

Rainfall Data
Hawarden
Station #IA3718
Sioux County, IA

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1939	0.82	1.41	1.05	4.34	2.00	2.10	0.62	6.79	16.53	15.73	14.64	8.06	DRY	NORM	NORM	NORM	DRY	1939
1941	1.03	3.93	2.27	7.59	1.19	0.62	3.23	15.70	31.24	21.02	11.83	12.12	NORM	WET	NORM	DRY	NORM	1941
1956	0.57	1.56	3.11	1.85	3.34	2.37	0.59	13.02	13.33	16.83	15.64	9.85	NORM	NORM	NORM	NORM	DRY	1956
1962	1.78	2.68	4.40	7.29	5.90	5.62	1.82	20.34	33.35	36.68	35.95	22.60	NORM	WET	WET	WET	WET	1962
1966	0.50	1.14	0.74	3.16	5.34	6.11	3.16	5.00	12.10	23.08	32.17	27.04	DRY	DRY	NORM	WET	WET	1966
1967	0.11	1.41	2.17	7.24	2.12	2.82	0.67	9.44	27.47	23.01	19.94	9.77	DRY	WET	NORM	NORM	DRY	1967
1968	0.73	4.37	1.53	2.90	4.19	1.26	3.57	14.06	16.13	19.90	15.06	17.42	NORM	NORM	NORM	NORM	NORM	1968
1972	0.79	2.92	8.19	3.81	7.26	1.26	1.35	31.20	30.73	37.59	22.11	13.83	WET	WET	WET	NORM	NORM	1972
1974	0.84	1.33	3.39	5.69	1.12	3.97	1.06	13.67	25.18	18.13	19.84	12.24	NORM	NORM	NORM	NORM	NORM	1974
1976	2.50	1.89	1.83	0.97	1.67	1.21	1.69	11.77	8.46	8.78	7.94	9.16	NORM	DRY	DRY	DRY	DRY	1976
1980	0.37	1.36	4.35	1.60	2.55	5.62	3.09	16.14	14.86	15.20	23.56	23.06	NORM	NORM	NORM	NORM	WET	1980
1981	1.74	0.42	1.79	4.92	5.10	2.57	1.73	7.95	18.76	26.93	22.83	15.43	DRY	NORM	WET	NORM	NORM	1981
1982	0.72	0.98	5.69	1.35	2.97	2.71	3.52	19.75	16.41	17.30	15.42	18.95	NORM	NORM	NORM	NORM	NORM	1982
1983	3.67	3.14	3.03	15.79	3.68	0.98	2.23	19.04	56.57	45.65	26.09	12.33	NORM	WET	WET	WET	NORM	1983
1984	2.75	8.81	4.24	7.16	3.66	1.12	1.01	33.09	38.77	29.54	17.84	8.93	WET	WET	WET	NORM	DRY	1984
1985	2.71	6.41	4.53	3.57	0.45	8.62	6.92	29.12	26.18	13.02	30.33	38.45	WET	WET	NORM	WET	WET	1985
1986	2.18	4.89	3.48	2.64	1.98	3.20	6.25	22.40	19.77	14.70	16.20	27.13	WET	NORM	NORM	NORM	WET	1986
1987	4.49	0.65	4.16	0.83	4.75	3.09	4.03	18.27	11.46	20.07	19.60	23.02	NORM	DRY	NORM	NORM	WET	1987
1988	0.21	3.39	2.08	1.20	0.96	6.63	4.42	13.23	11.15	7.36	23.01	27.48	NORM	DRY	DRY	NORM	WET	1988
1989	1.40	1.63	0.86	2.37	5.47	1.90	2.63	7.24	10.46	22.01	19.01	17.16	DRY	DRY	NORM	NORM	NORM	1989
1990	2.05	0.96	4.84	3.18	2.13	2.35	1.54	18.49	20.18	17.59	14.49	11.45	NORM	NORM	NORM	NORM	NORM	1990
1991	1.29	2.44	3.14	3.27	5.18	1.90	2.16	15.59	18.53	25.22	19.33	15.46	NORM	NORM	NORM	NORM	NORM	1991
1992	3.02	2.40	3.43	2.80	6.32	4.16	4.30	18.11	17.66	27.99	27.92	27.54	NORM	NORM	WET	WET	WET	1992
1993	2.49	3.13	4.63	4.15	7.10	3.63	1.81	22.64	24.84	34.23	29.24	19.79	WET	NORM	WET	WET	NORM	1993
1994	0.00	3.83	1.41	4.13	2.02	2.22	2.62	11.89	19.04	15.73	14.83	14.32	NORM	NORM	NORM	NORM	NORM	1994
1995	4.65	5.50	6.37	2.04	3.14	3.74	2.34	34.76	24.36	19.87	19.54	17.64	WET	NORM	NORM	NORM	NORM	1995
1996	1.25	0.88	4.01	3.26	3.05	2.94	2.95	15.04	18.68	19.68	18.18	17.78	NORM	NORM	NORM	NORM	NORM	1996
1997	0.59	2.78	3.66	4.33	1.09	1.72	2.67	17.13	23.09	15.59	11.67	12.54	NORM	NORM	NORM	DRY	NORM	1997
1998	3.29	4.43	1.96	3.40	2.93	2.72	0.25	18.03	18.55	17.55	17.42	9.12	NORM	NORM	NORM	NORM	DRY	1998
1999	1.04	2.76	4.78	2.75	1.68	3.88	3.00	20.90	20.57	15.32	17.75	18.44	NORM	NORM	NORM	NORM	NORM	1999
2000	1.20	1.05	3.62	4.16	2.47	3.45	0.74	14.16	20.77	19.35	19.45	11.59	NORM	NORM	NORM	NORM	NORM	2000
2001	0.42	5.54	4.36	2.59	4.81	1.49	3.74	24.58	22.03	23.97	16.68	19.01	WET	NORM	NORM	NORM	NORM	2001
2002	0.78	2.37	2.83	2.04	2.48	4.52	1.09	14.01	14.15	14.35	20.56	14.79	NORM	NORM	NORM	NORM	NORM	2002
2003	1.83	2.65	4.11	5.03	4.37	0.95	5.00	19.46	25.96	27.28	16.62	21.27	NORM	WET	WET	NORM	NORM	2003
2004	3.07	2.11	4.58	1.40	1.45	2.50	6.26	21.03	15.47	11.73	11.80	25.23	NORM	NORM	DRY	DRY	WET	2004
2005	1.04	4.27	3.8	8.82	2.86	1.99	5.92	20.98	38.33	30.02	20.51	24.60	NORM	WET	WET	NORM	WET	2005
2006	2.56	4.84	1.06	3.14	0.55	2.43	7.02	15.42	16.38	8.99	11.53	26.47	NORM	NORM	DRY	DRY	WET	2006
2007	2.91	4.43	3.72	2.78	0.00	7.73	4.06	22.93	20.21	9.28	25.97	27.64	WET	NORM	DRY	WET	WET	2007
2008	1.37	1.93	5.18	4.77	3.27	2.74	2.62	20.77	26.60	24.53	19.53	16.61	NORM	WET	NORM	NORM	NORM	2008
2009	1.10	2.60	0.77	4.92	7.57	1.60	0.06	8.61	18.90	33.32	24.86	10.95	DRY	NORM	WET	WET	NORM	2009
2010	1.14	2.40	2.01	10.91	10.11	3.32	7.53	11.97	39.15	54.16	41.09	39.34	NORM	WET	WET	WET	WET	2010
2011	0.80	3.56	5.67	6.55	1.33	2.00	0.82	24.93	34.55	22.76	15.21	7.79	WET	WET	NORM	NORM	DRY	2011
2012	0.63	3.10	7.69	0.59	1.56	2.44	0.41	29.90	20.25	13.55	11.03	7.67	WET	NORM	NORM	DRY	DRY	2012
2013	1.35	3.83	9.72	3.97	0.60	3.80	0.43	38.17	35.18	19.46	16.57	9.49	WET	WET	NORM	NORM	DRY	2013
2014	0.37	1.63	0.84	10.10	1.57	3.90	2.96	6.15	33.61	25.75	24.94	18.25	DRY	WET	NORM	WET	NORM	2014
2015	0.47	1.63	3.85	3.54	4.39	7.11	3.52	15.28	19.95	24.10	33.65	29.17	NORM	NORM	NORM	WET	WET	2015
2016	1.46	4.46	4.76	3.45	1.70	3.76	5.41	24.66	24.33	16.76	18.13	25.45	WET	NORM	NORM	NORM	WET	2016
2017	2.87	2.73	5.36	2.79	1.98	7.24	3.73	24.41	21.82	16.88	28.47	27.65	WET	NORM	NORM	WET	WET	2017
2018	2.50	2.40	3.95	8.95	2.96	5.07	8.87	19.15	37.15	30.73	30.08	39.71	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.99	1.95	2.41	March	1.95
April	1.56	2.80	3.41	April	2.80
May	2.45	3.52	4.18	May	3.52
June	2.23	3.76	4.57	June	3.76
July	2.00	3.55	4.33	July	3.55
August	1.95	3.15	3.80	August	3.15
Sept.	1.47	2.65	3.23	Sept.	2.65
Jun-MAM	11.46	18.11	21.77		
Jul-JMA	13.15	21.12	25.48		
Aug-JJM	12.91	21.69	26.31		
Sep-AJJ	12.08	20.31	24.63		
Oct-SAJ	10.31	17.80	21.62		

Rainfall Data
 Sioux City Gateway AP
 Station #IA7708
 Woodbury County, IA

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1956	0.29	1.85	1.99	3.30	5.36	1.54	0.40	9.96	15.73	24.67	18.64	9.64	DRY	NORM	NORM	NORM	NORM	1956
1968	0.24	2.74	2.34	3.85	1.68	1.52	4.12	12.74	18.97	15.08	11.77	17.08	NORM	NORM	NORM	NORM	NORM	1968
1971	0.46	1.61	2.85	3.65	1.57	0.12	0.60	12.23	18.26	14.86	7.15	3.61	DRY	NORM	NORM	DRY	DRY	1971
1972	1.31	3.44	4.29	3.79	10.33	2.09	2.62	21.06	23.39	42.86	30.72	22.37	NORM	NORM	WET	WET	WET	1972
1973	4.02	1.33	1.72	3.54	4.90	1.05	4.04	11.84	15.39	23.50	16.49	19.12	DRY	NORM	NORM	NORM	NORM	1973
1974	0.68	1.60	4.16	3.28	1.29	3.27	0.87	16.36	19.76	14.59	15.67	10.44	NORM	NORM	NORM	NORM	NORM	1974
1976	2.63	2.23	3.12	0.75	1.50	0.30	1.96	16.45	10.72	9.12	4.65	7.98	NORM	DRY	DRY	DRY	DRY	1976
1980	1.03	1.37	3.88	1.21	0.50	5.68	1.40	15.41	12.76	7.80	19.25	16.06	NORM	DRY	DRY	NORM	NORM	1980
1981	1.78	0.47	1.98	3.07	4.36	1.72	0.97	8.66	13.64	21.20	16.95	10.71	DRY	DRY	NORM	NORM	NORM	1981
1982	1.53	0.64	6.93	1.82	3.63	1.54	3.64	23.60	19.96	21.46	13.70	17.63	WET	NORM	NORM	NORM	NORM	1982
1983	4.92	2.19	4.41	4.58	1.27	1.16	3.07	22.53	24.75	17.38	10.60	12.80	WET	NORM	NORM	NORM	NORM	1983
1984	1.79	6.73	5.54	6.79	2.56	0.79	0.71	31.87	38.18	26.80	14.28	6.27	WET	WET	WET	NORM	DRY	1984
1985	2.20	5.04	3.24	1.15	0.41	3.69	4.50	22.00	14.97	6.77	13.04	21.29	NORM	NORM	DRY	NORM	WET	1985
1986	3.04	5.73	3.00	5.35	3.26	1.86	5.06	23.50	27.78	23.48	17.45	22.16	WET	WET	NORM	NORM	WET	1986
1987	5.90	0.61	4.20	3.09	3.08	3.94	1.44	19.72	18.28	19.62	21.07	15.28	NORM	NORM	NORM	NORM	NORM	1987
1988	0.59	2.50	2.47	0.53	2.93	5.16	5.17	13.00	9.03	12.32	21.87	28.76	NORM	DRY	DRY	NORM	WET	1988
1989	0.86	0.94	1.51	1.83	5.76	2.01	4.33	7.27	9.45	22.45	19.38	22.77	DRY	DRY	NORM	NORM	WET	1989
1990	2.20	1.61	7.48	4.20	3.22	1.34	0.86	27.86	29.17	25.54	14.66	8.48	WET	WET	WET	NORM	DRY	1990
1991	2.02	3.48	3.87	5.27	0.77	2.17	2.17	20.59	27.03	16.72	13.32	11.62	NORM	WET	NORM	NORM	NORM	1991
1992	3.52	1.13	3.56	2.74	4.81	4.60	2.82	16.46	16.47	23.47	26.16	22.47	NORM	NORM	NORM	WET	WET	1992
1993	0.85	3.66	3.06	4.23	6.71	6.43	1.29	17.35	22.47	31.65	36.94	23.44	NORM	NORM	WET	WET	WET	1993
1994	0.04	2.37	0.88	3.44	4.53	3.33	4.59	7.42	14.45	21.35	22.49	24.96	DRY	NORM	NORM	NORM	WET	1994
1995	2.09	4.74	4.81	2.18	1.36	2.01	3.50	26.00	20.90	13.25	10.93	15.88	WET	NORM	NORM	NORM	NORM	1995
1996	1.09	0.84	6.22	4.39	7.33	4.69	2.65	21.43	26.45	36.99	33.12	24.66	NORM	WET	WET	WET	WET	1996
1997	0.46	2.42	3.71	3.09	1.94	0.63	2.43	16.43	19.11	15.71	8.86	10.49	NORM	NORM	NORM	DRY	NORM	1997
1998	4.01	6.06	2.87	5.67	1.49	3.55	0.42	24.74	28.81	18.68	19.30	9.85	WET	WET	NORM	NORM	NORM	1998
1999	0.89	4.66	5.21	7.90	3.30	4.57	0.52	25.84	38.78	30.91	28.21	14.00	WET	WET	WET	WET	NORM	1999
2000	0.71	1.76	3.99	5.66	3.13	1.76	1.06	16.20	26.72	24.70	17.20	9.83	NORM	WET	NORM	NORM	NORM	2000
2001	0.87	5.21	5.87	2.57	2.18	3.40	3.39	28.90	24.66	17.55	17.13	19.15	WET	NORM	NORM	NORM	NORM	2001
2002	1.05	2.96	2.60	3.69	4.16	5.67	1.27	14.77	19.23	22.46	29.02	19.31	NORM	NORM	NORM	WET	NORM	2002
2003	1.67	3.15	3.79	4.04	3.72	1.67	6.65	19.34	22.85	23.03	16.49	27.01	NORM	NORM	NORM	NORM	WET	2003
2004	4.36	1.36	4.32	4.12	2.93	0.97	3.42	20.04	22.36	21.35	12.89	15.13	NORM	NORM	NORM	NORM	NORM	2004
2005	0.8	4.18	3.39	4.13	2.51	1.45	2.84	19.33	23.35	19.18	13.50	13.93	NORM	NORM	NORM	NORM	NORM	2005
2006	2.61	3.37	0.87	3.23	0.36	6.98	5.45	11.96	14.80	8.41	24.89	30.67	DRY	NORM	DRY	WET	WET	2006
2007	4.19	4.64	4.74	2.70	2.19	9.07	3.67	27.69	22.22	16.71	34.29	31.34	WET	NORM	NORM	WET	WET	2007
2008	1.23	2.79	5.20	3.35	4.39	2.67	3.34	22.41	23.24	25.07	20.14	19.75	WET	NORM	NORM	NORM	NORM	2008
2009	1.44	1.62	1.00	5.26	5.55	3.52	4.56	7.68	19.40	28.17	26.92	26.27	DRY	NORM	WET	WET	WET	2009
2010	1.38	1.49	1.41	6.40	9.23	4.50	2.99	8.59	23.51	41.90	38.36	27.20	DRY	NORM	WET	WET	WET	2010
2011	0.90	4.29	6.67	5.03	0.78	2.53	0.31	29.49	32.72	19.07	14.18	6.77	WET	WET	NORM	NORM	DRY	2011
2012	0.70	4.82	6.20	2.16	0.78	1.71	0.47	28.94	23.70	12.86	8.85	5.61	WET	NORM	NORM	DRY	DRY	2012
2013	2.00	4.85	5.28	3.13	0.60	3.07	1.44	27.54	24.80	13.34	13.54	11.06	WET	NORM	NORM	NORM	NORM	2013
2014	0.38	2.07	2.03	16.65	3.61	10.12	2.79	10.61	56.08	46.16	54.23	32.22	DRY	WET	WET	WET	WET	2014
2015	0.88	2.53	3.53	4.19	5.68	5.97	3.13	16.53	22.16	28.95	33.46	27.01	NORM	NORM	WET	WET	WET	2015
2016	3.06	5.81	5.02	1.38	2.19	5.05	2.78	29.74	19.99	14.35	20.91	20.63	WET	NORM	NORM	NORM	WET	2016
2017	1.51	2.93	3.44	1.72	0.84	8.16	2.18	17.69	14.97	9.40	27.88	23.70	NORM	NORM	DRY	WET	WET	2017
2018	1.95	1.14	3.71	8.65	2.30	4.51	7.42	15.36	34.51	27.91	26.78	33.58	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.93	2.00	2.44	March	2.00
April	1.57	2.75	3.35	April	2.75
May	2.76	3.75	4.40	May	3.75
June	2.29	3.61	4.35	June	3.61
July	1.79	3.30	4.03	July	3.30
August	1.49	2.90	3.55	August	2.90
Sept.	1.35	2.42	2.95	Sept.	2.42
Jun-MAM	12.35	18.75	22.34		
Jul-JMA	13.96	21.08	25.20		
Aug-JJM	12.71	20.87	25.19		
Sep-AJJ	10.34	18.91	23.06		
Oct-SAJ	8.82	16.36	19.98		

NOTE:

Sioux City Gateway AP NWS Station (IA7708) has been replaced with
 Sioux City AP NWS (IA943) as of 2012.

Rainfall Data
 Browns Valley
 Station #MN1063
 Traverse County, MN

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1953	0.36	4.87	2.85	6.97	1.50	3.90	0.30	18.65	31.48	21.29	21.67	10.20	WET	WET	NORM	NORM	NORM	1953
1971	0.54	1.29	3.13	7.10	1.27	2.91	0.69	12.51	28.85	21.14	18.37	9.16	NORM	WET	NORM	NORM	NORM	1971
1978	0.66	3.00	2.73	5.02	2.49	3.55	1.50	14.85	23.52	20.24	20.65	14.09	NORM	WET	NORM	NORM	NORM	1978
1980	0.84	0.46	1.99	3.58	2.12	2.61	0.37	7.73	15.18	15.51	15.65	8.45	NORM	NORM	NORM	NORM	DRY	1980
1981	1.32	0.97	2.51	5.21	2.57	2.46	0.43	10.79	21.62	20.64	17.73	8.78	NORM	WET	NORM	NORM	NORM	1981
1982	2.86	0.38	2.68	0.65	4.48	1.29	2.83	11.66	7.69	17.42	13.48	15.55	NORM	DRY	NORM	NORM	NORM	1982
1983	3.10	0.40	0.40	2.12	2.23	5.13	2.19	5.10	7.56	11.33	21.97	19.06	DRY	DRY	DRY	NORM	WET	1983
1984	1.74	3.21	1.09	7.05	1.96	1.66	0.99	11.43	26.54	21.07	15.95	8.25	NORM	WET	NORM	NORM	DRY	1984
1985	1.76	1.52	3.47	2.69	1.84	2.05	3.69	15.21	16.53	14.37	12.52	17.01	NORM	NORM	NORM	NORM	NORM	1985
1986	0.97	5.89	3.54	4.81	5.51	4.21	3.94	23.37	27.40	29.69	28.46	25.75	WET	WET	WET	WET	WET	1986
1987	1.84	0.44	2.69	0.94	4.24	0.75	2.49	10.79	8.64	17.29	11.67	13.21	NORM	DRY	NORM	DRY	NORM	1987
1988	0.91	0.57	3.03	0.83	1.45	5.08	3.85	11.14	9.12	9.04	18.97	23.16	NORM	DRY	DRY	NORM	WET	1988
1989	2.00	2.83	1.06	2.03	2.70	5.53	3.22	10.84	11.04	13.22	24.02	23.42	NORM	NORM	NORM	WET	WET	1989
1990	1.47	2.08	1.50	5.19	1.71	3.57	1.58	10.13	20.65	17.01	19.32	13.59	NORM	WET	NORM	NORM	NORM	1990
1991	1.42	4.09	3.78	6.68	4.27	2.77	2.49	20.94	31.69	29.95	23.53	17.28	WET	WET	WET	WET	NORM	1991
1992	1.31	1.83	1.42	5.87	4.03	0.94	2.66	9.23	22.28	25.25	16.75	13.89	NORM	WET	WET	NORM	NORM	1992
1993	1.40	1.95	3.29	4.70	7.05	3.53	2.09	15.17	22.63	33.84	29.39	20.38	NORM	WET	WET	WET	WET	1993
1994	0.52	3.55	2.80	1.01	7.03	1.62	1.19	16.02	12.18	25.91	19.93	13.84	WET	NORM	WET	NORM	NORM	1994
1995	4.06	2.90	2.97	2.57	5.22	4.49	2.18	18.77	16.55	23.77	26.48	20.74	WET	NORM	WET	WET	WET	1995
1996	0.73	0.18	4.18	2.96	4.33	0.82	2.01	13.63	17.42	23.09	14.08	12.00	NORM	NORM	NORM	NORM	NORM	1996
1997	1.63	2.72	1.49	0.89	4.35	3.48	0.92	11.54	8.37	16.32	20.03	14.07	NORM	DRY	NORM	NORM	NORM	1997
1998	2.15	2.91	4.03	3.95	1.66	1.91	0.16	20.06	22.82	16.91	13.00	5.96	WET	WET	NORM	NORM	DRY	1998
1999	1.13	1.42	2.08	4.44	3.56	3.34	2.25	10.21	18.90	21.64	21.58	16.99	NORM	NORM	NORM	NORM	NORM	1999
2000	1.11	1.90	1.61	2.65	6.86	2.49	1.36	9.74	13.07	27.49	23.84	15.92	NORM	NORM	WET	WET	NORM	2000
2001	0.49	5.21	3.22	3.92	4.06	1.00	2.20	20.57	23.41	23.24	15.04	12.66	WET	WET	NORM	NORM	NORM	2001
2002	1.66	1.94	2.46	4.74	2.96	4.84	1.72	12.92	21.08	20.82	25.18	17.80	NORM	WET	NORM	WET	WET	2002
2003	0.67	3.12	2.51	10.39	2.85	0.77	1.72	14.44	39.31	31.84	18.40	9.55	NORM	WET	WET	NORM	NORM	2003
2004	1.24	1.08	5.66	2.46	4.18	0.76	8.08	20.38	19.78	23.12	13.10	29.94	WET	NORM	NORM	NORM	WET	2004
2005	0.12	1.21	3.00	7.64	2.91	4.17	2.83	11.54	30.13	27.01	25.97	19.74	NORM	WET	WET	WET	WET	2005
2006	0.89	4.28	2.19	1.91	1.00	4.32	6.48	16.02	14.39	9.01	16.87	29.08	WET	NORM	DRY	NORM	WET	2006
2007	2.68	4.44	3.25	6.79	1.69	2.29	5.26	21.31	31.31	21.90	17.04	22.05	WET	WET	NORM	NORM	WET	2007
2008	1.59	3.22	1.73	6.06	3.35	1.04	3.39	13.22	24.86	23.90	15.88	15.60	NORM	WET	WET	NORM	NORM	2008
2009	2.30	1.50	1.01	3.26	1.29	4.52	3.35	8.33	13.30	11.40	19.40	20.38	NORM	NORM	DRY	NORM	WET	2009
2010	2.01	1.81	2.20	4.31	2.14	5.43	4.55	12.23	19.14	17.24	24.88	26.65	NORM	NORM	NORM	WET	WET	2010
2011	1.91	1.42	3.79	3.89	6.47	1.79	0.47	16.12	20.67	30.98	22.20	11.46	WET	WET	WET	NORM	NORM	2011
2012	0.35	4.21	1.80	2.71	2.99	1.51	0.20	14.17	15.94	16.19	13.22	6.61	NORM	NORM	NORM	NORM	DRY	2012
2013	1.42	2.01	5.46	4.47	1.75	0.70	2.71	21.82	26.34	19.65	10.07	11.28	WET	WET	NORM	DRY	NORM	2013
2014	0.66	3.43	2.19	7.85	1.37	2.61	0.57	14.09	31.36	22.00	18.42	8.30	NORM	WET	NORM	NORM	DRY	2014
2015	1.14	0.59	5.80	1.14	4.36	2.54	0.28	19.72	15.61	21.16	17.48	10.28	WET	NORM	NORM	NORM	NORM	2015
2016	0.43	2.70	1.06	0.57	2.99	3.95	2.75	9.01	6.53	11.17	18.40	19.14	NORM	DRY	DRY	NORM	WET	2016
2017	0.26	2.04	2.11	3.37	3.16	5.12	4.49	10.67	16.37	18.33	25.05	26.87	NORM	NORM	NORM	WET	WET	2017
2018	1.92	0.66	1.88	2.74	9.19	1.07	1.56	8.88	12.64	34.93	24.33	16.01	NORM	NORM	WET	WET	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound
March	1.02	1.63	1.97
April	1.07	2.02	2.46
May	1.50	2.37	2.86
June	1.93	3.30	4.01
July	2.18	3.44	4.15
August	1.91	2.79	3.32
Sept.	0.89	1.86	2.28
Jun-MAM	7.66	12.78	15.47
Jul-JMA	9.86	16.66	20.21
Aug-JJM	11.90	19.29	23.33
Sep-AJJ	12.02	18.55	22.27
Oct-SAJ	8.67	14.60	17.63

Normals are for 1971-2000 data

March	1.63
April	2.02
May	2.37
June	3.30
July	3.44
August	2.79
Sept.	1.86

NOTE:

Browns Valley NWS Station (MN1063) was moved to its current location in 2012.

Sisseton NWS Station (SD7742) was used for 1953; 1971; Apr 1998.

Rainfall Data
 Canby
 Station #MN1263
 Yellow Medicine County, MN

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1939	0.68	1.81	2.60	5.86	2.18	5.66	1.09	12.10	24.59	20.86	27.20	16.77	NORM	NORM	NORM	WET	NORM	1939
1958	0.84	2.15	1.06	3.04	2.07	0.68	1.28	8.32	13.39	13.35	9.22	7.27	DRY	NORM	NORM	DRY	DRY	1958
1965	3.53	4.56	8.08	3.93	1.84	2.88	6.20	36.89	32.51	21.46	16.25	26.20	WET	WET	NORM	NORM	WET	1965
1971	0.17	1.27	1.06	7.98	1.92	3.30	1.47	5.89	27.33	22.78	21.72	12.93	DRY	WET	NORM	NORM	NORM	1971
1977	5.18	1.32	2.38	3.46	1.22	4.75	4.57	14.96	16.46	12.96	20.15	24.43	NORM	NORM	NORM	NORM	WET	1977
1979	3.20	2.45	2.64	5.59	1.85	5.25	1.07	16.02	24.50	19.37	25.04	15.56	NORM	NORM	NORM	WET	NORM	1979
1980	0.99	0.13	1.02	7.12	2.09	4.68	0.83	4.31	23.53	21.53	25.34	13.94	DRY	NORM	NORM	WET	NORM	1980
1981	1.40	1.33	1.16	5.41	4.30	1.11	1.15	7.54	19.88	24.88	17.34	9.97	DRY	NORM	NORM	NORM	NORM	1981
1982	1.06	1.73	2.67	1.88	6.18	2.04	3.07	12.53	12.71	24.97	20.36	19.47	NORM	NORM	NORM	NORM	WET	1982
1983	3.47	2.00	3.22	3.44	1.79	1.30	2.68	17.13	18.76	15.47	10.92	12.43	NORM	NORM	NORM	DRY	NORM	1983
1984	2.28	3.47	2.58	7.43	0.97	3.49	3.97	16.96	30.92	20.35	19.84	19.86	NORM	WET	NORM	NORM	WET	1984
1985	3.14	2.37	2.75	1.91	3.28	4.31	3.70	16.13	13.60	16.41	21.40	23.00	NORM	NORM	NORM	NORM	WET	1985
1986	1.64	4.36	3.25	4.68	6.57	2.09	5.65	20.11	24.90	32.32	24.09	27.70	WET	WET	WET	WET	WET	1986
1987	1.83	0.38	1.78	2.78	5.02	2.41	2.46	7.93	12.28	22.40	20.05	17.22	DRY	NORM	NORM	NORM	NORM	1987
1988	0.85	1.81	2.17	1.47	1.51	4.07	3.32	10.98	10.56	9.64	16.70	19.61	NORM	DRY	DRY	NORM	WET	1988
1989	2.83	1.75	1.11	1.91	3.56	0.97	4.15	9.66	9.70	15.61	11.94	17.95	NORM	DRY	NORM	DRY	NORM	1989
1990	2.40	1.45	5.32	6.76	4.87	2.79	1.07	21.26	32.37	33.45	24.87	13.66	WET	WET	WET	WET	NORM	1990
1991	1.55	3.31	4.49	9.06	2.82	2.74	2.91	21.64	39.47	31.07	22.92	17.03	WET	WET	WET	NORM	NORM	1991
1992	1.60	1.54	0.74	5.26	6.10	4.30	1.99	6.90	18.80	29.56	30.36	20.67	DRY	NORM	WET	WET	WET	1992
1993	1.57	2.83	6.18	10.22	5.44	3.28	2.61	25.77	45.85	42.94	30.94	19.83	WET	WET	WET	WET	WET	1993
1994	0.46	3.47	1.42	6.95	6.64	2.80	3.36	11.66	27.16	35.24	28.63	22.32	NORM	WET	WET	WET	WET	1994
1995	3.95	5.66	5.15	2.70	5.12	2.13	3.28	30.72	24.06	25.91	19.33	19.22	WET	NORM	WET	NORM	NORM	1995
1996	1.00	1.03	4.77	2.70	0.51	4.52	1.95	17.37	18.67	11.70	17.28	15.40	NORM	NORM	DRY	NORM	NORM	1996
1997	1.44	2.69	1.17	0.59	4.79	3.69	2.65	10.33	6.80	16.72	21.24	20.12	NORM	DRY	NORM	NORM	WET	1997
1998	1.68	2.77	1.46	1.58	2.16	1.66	0.52	11.60	10.43	11.10	10.88	7.04	NORM	DRY	DRY	DRY	DRY	1998
1999	0.79	3.73	3.39	4.41	2.45	1.68	2.05	18.42	23.74	19.56	14.35	11.96	WET	NORM	NORM	NORM	NORM	1999
2000	1.25	1.56	5.74	3.89	5.02	0.91	0.47	21.59	24.71	28.58	16.66	8.25	WET	NORM	WET	NORM	DRY	2000
2001	0.87	8.30	3.24	3.62	2.92	1.09	2.86	27.19	25.64	19.24	12.73	13.68	WET	WET	NORM	NORM	NORM	2001
2002	2.57	2.44	2.28	2.81	2.20	5.83	0.88	14.29	15.43	14.50	24.70	16.50	NORM	NORM	NORM	WET	NORM	2002
2003	0.62	2.80	3.53	3.17	3.33	1.37	2.84	16.81	19.37	19.86	13.94	14.59	NORM	NORM	NORM	NORM	NORM	2003
2004	0.64	1.75	4.72	4.45	2.73	4.15	4.11	18.30	24.54	21.81	22.36	23.36	NORM	NORM	NORM	NORM	WET	2004
2005	0.65	2.75	3.53	4.05	1.68	2.25	4.94	16.74	21.96	16.67	14.16	21.00	NORM	NORM	NORM	NORM	WET	2005
2006	1.67	2.99	3.00	1.86	1.57	4.41	7.44	16.65	14.57	11.43	18.23	32.71	NORM	NORM	DRY	NORM	WET	2006
2007	3.20	4.48	1.91	3.32	1.07	3.73	1.24	17.89	18.26	11.76	16.65	12.25	NORM	NORM	DRY	NORM	NORM	2007
2008	1.30	3.19	3.50	3.69	2.14	1.53	1.15	18.18	21.26	17.30	12.56	8.65	NORM	NORM	NORM	NORM	DRY	2008
2009	2.15	0.99	0.87	3.05	2.54	2.60	1.83	6.74	11.88	14.59	15.93	13.23	DRY	NORM	NORM	NORM	NORM	2009
2010	1.25	0.97	2.48	5.89	3.65	3.45	9.95	10.63	23.60	25.21	23.54	40.40	NORM	NORM	NORM	WET	WET	2010
2011	2.15	2.05	4.66	4.44	5.74	0.51	0.31	20.23	24.69	30.76	17.45	7.69	WET	NORM	WET	NORM	DRY	2011
2012	1.46	3.44	5.57	2.59	0.10	1.68	0.46	25.05	22.35	11.05	7.83	4.84	WET	NORM	DRY	DRY	DRY	2012
2013	1.39	3.67	4.44	6.91	3.64	1.75	1.84	22.05	33.28	29.18	19.44	12.66	WET	WET	WET	NORM	NORM	2013
2014	2.10	3.24	2.84	8.61	1.29	6.18	0.88	17.10	34.75	23.93	29.73	16.29	NORM	WET	NORM	WET	NORM	2014
2015	0.25	1.24	5.50	4.69	3.53	7.01	1.72	19.23	26.31	25.47	32.78	22.71	WET	WET	NORM	WET	WET	2015
2016	1.21	1.80	1.66	2.55	3.62	6.11	4.13	9.79	12.77	17.62	28.12	28.23	NORM	NORM	NORM	WET	WET	2016
2017	0.68	1.70	4.51	2.13	1.47	9.31	4.33	17.61	17.11	13.18	33.00	33.08	NORM	NORM	NORM	WET	WET	2017
2018	2.96	3.04	1.24	5.78	4.14	4.11	5.15	12.76	22.86	25.22	26.39	27.81	NORM	NORM	NORM	WET	WET	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data	
	Bound	N	Bound			
March	1.01	1.78	2.17		March	1.78
April	1.31	2.27	2.76		April	2.27
May	1.71	2.92	3.55		May	2.92
June	2.25	4.09	4.99		June	4.09
July	2.01	3.35	4.06		July	3.35
August	1.90	2.78	3.31		August	2.78
Sept.	1.37	2.38	2.89		Sept.	2.38
Jun-MAM	8.76	15.08	18.34			
Jul-JMA	11.48	20.38	24.83			
Aug-JJM	12.24	21.15	25.71			
Sep-AJJ	11.97	19.13	23.04			
Oct-SAJ	9.92	16.05	19.35			

NOTE:
 Clear Lake NWS Station (SD1777) was used for Sep 2006.

Rainfall Data
 Luverne
 Station #MN4937
 Rock County, MN

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1962	1.72	1.98	5.00	3.08	6.09	5.63	2.19	20.68	21.22	29.43	32.15	23.92	NORM	NORM	WET	WET	WET	1962
1968	0.85	4.54	2.15	4.41	5.12	1.98	6.93	16.38	22.07	26.33	20.59	29.87	NORM	NORM	WET	NORM	WET	1968
1976	2.58	1.61	1.08	0.79	1.80	1.11	1.38	9.04	6.14	8.06	7.72	8.16	DRY	DRY	DRY	DRY	DRY	1976
1980	0.78	0.83	3.45	1.96	1.64	7.35	2.62	12.79	13.61	12.29	27.29	24.20	NORM	DRY	DRY	WET	WET	1980
1981	1.83	1.66	1.16	6.54	4.52	5.78	0.94	8.63	23.60	27.80	32.92	18.90	DRY	NORM	WET	WET	NORM	1981
1982	1.51	1.52	6.46	1.18	4.35	4.21	4.46	23.93	17.98	21.87	22.51	26.15	WET	NORM	NORM	NORM	WET	1982
1983	4.27	1.39	2.28	7.93	2.02	1.42	1.12	13.89	29.74	24.20	16.23	8.22	NORM	WET	NORM	NORM	DRY	1983
1984	3.01	5.73	4.04	8.29	3.11	1.60	1.02	26.59	38.68	29.95	19.31	9.37	WET	WET	WET	NORM	NORM	1984
1985	2.90	4.41	4.30	3.00	1.87	5.38	4.16	24.62	22.01	15.91	22.88	25.11	WET	NORM	NORM	NORM	WET	1985
1986	2.46	5.47	3.10	4.19	5.21	2.33	8.80	22.70	24.24	27.11	21.60	36.27	WET	NORM	WET	NORM	WET	1986
1987	3.85	0.43	3.10	1.82	4.36	3.35	2.33	14.01	12.09	19.82	20.59	18.05	NORM	DRY	NORM	NORM	NORM	1987
1988	0.46	3.15	1.32	1.87	0.63	2.74	4.60	10.72	11.40	6.95	11.35	19.91	DRY	DRY	DRY	NORM	NORM	1988
1989	1.71	2.27	1.82	3.30	4.65	2.42	2.74	11.71	15.81	22.37	19.86	17.71	DRY	NORM	NORM	NORM	NORM	1989
1990	1.73	1.43	4.48	3.34	3.07	3.08	0.49	18.03	20.41	20.37	18.72	10.70	NORM	NORM	NORM	NORM	NORM	1990
1991	0.72	2.39	3.06	4.30	0.77	1.62	4.12	14.68	21.41	13.97	10.70	16.37	NORM	NORM	NORM	DRY	NORM	1991
1992	1.94	2.08	1.71	4.57	9.07	5.42	2.69	11.23	19.21	38.06	38.97	27.98	DRY	NORM	WET	WET	WET	1992
1993	1.87	2.04	6.77	9.13	10.49	3.30	1.52	26.26	42.97	56.50	40.01	21.65	WET	WET	WET	WET	WET	1993
1994	0.14	4.27	1.75	8.78	1.27	3.18	1.68	13.93	34.11	23.12	20.86	12.67	NORM	WET	NORM	NORM	NORM	1994
1995	4.67	3.93	4.50	1.96	4.60	2.01	3.35	26.03	18.81	22.22	17.19	18.67	WET	NORM	NORM	NORM	NORM	1995
1996	0.82	0.38	4.07	4.37	1.61	3.31	2.65	13.79	21.63	17.64	17.52	16.18	NORM	NORM	NORM	NORM	NORM	1996
1997	0.46	1.77	3.47	4.14	2.06	1.00	1.52	14.41	21.13	17.93	11.26	8.62	NORM	NORM	NORM	NORM	DRY	1997
1998	2.48	2.55	0.83	5.00	4.35	3.81	0.16	10.07	19.21	23.88	25.13	12.45	DRY	NORM	NORM	WET	NORM	1998
1999	2.49	4.06	2.84	4.34	3.21	1.53	1.80	19.13	22.76	21.15	15.35	11.67	NORM	NORM	NORM	NORM	NORM	1999
2000	0.87	4.26	5.69	2.34	2.91	0.58	0.66	26.46	22.66	19.10	9.90	6.05	WET	NORM	NORM	DRY	DRY	2000
2001	0.00	6.97	1.92	2.97	3.15	0.39	1.03	19.70	19.72	17.31	10.44	7.02	NORM	NORM	NORM	DRY	DRY	2001
2002	1.41	2.29	1.82	2.57	1.80	8.26	1.30	11.45	13.64	12.36	30.95	22.22	DRY	DRY	DRY	WET	WET	2002
2003	0.22	3.69	2.64	3.54	2.00	1.42	4.74	15.52	19.59	15.72	11.80	19.06	NORM	NORM	NORM	NORM	NORM	2003
2004	2.03	1.28	8.10	6.00	1.40	2.18	5.12	28.89	35.48	24.30	15.34	21.12	WET	WET	NORM	NORM	WET	2004
2005	0.00	2.87	2.99	6.19	3.54	1.48	2.22	14.71	27.42	25.99	17.71	13.16	NORM	WET	WET	NORM	NORM	2005
2006	2.00	6.17	1.02	3.61	0.23	3.90	1.96	17.40	19.04	8.93	15.77	13.91	NORM	NORM	DRY	NORM	NORM	2006
2007	4.97	1.93	2.63	3.98	0.32	6.18	2.27	16.72	19.13	11.55	23.16	19.49	NORM	NORM	DRY	WET	NORM	2007
2008	1.34	2.68	3.34	3.95	2.52	1.91	1.78	16.72	21.21	18.80	14.72	11.68	NORM	NORM	NORM	NORM	NORM	2008
2009	1.31	1.95	1.43	3.07	3.71	1.93	1.21	9.50	14.02	18.70	16.28	11.20	DRY	DRY	NORM	NORM	NORM	2009
2010	1.92	2.46	1.81	7.34	8.99	3.84	8.66	12.27	28.10	43.46	36.84	42.65	DRY	WET	WET	WET	WET	2010
2011	0.74	3.09	5.42	4.26	5.76	1.40	0.20	23.18	26.71	31.22	19.98	9.16	WET	WET	WET	NORM	DRY	2011
2012	0.78	2.17	8.89	0.47	0.71	1.91	0.50	31.79	21.36	11.96	7.62	6.03	WET	NORM	DRY	DRY	DRY	2012
2013	1.25	3.71	7.44	5.71	0.40	2.50	2.01	30.99	35.72	20.06	14.01	11.43	WET	WET	NORM	NORM	NORM	2013
2014	0.35	1.25	1.69	13.84	0.93	2.41	1.35	7.92	46.15	32.16	22.93	9.80	DRY	WET	WET	NORM	NORM	2014
2015	0.33	1.16	4.40	3.26	3.21	5.53	2.68	15.85	19.74	20.55	26.27	22.31	NORM	NORM	NORM	WET	WET	2015
2016	1.69	4.28	4.19	3.39	4.15	2.69	6.75	22.82	22.83	23.42	19.76	29.78	WET	NORM	NORM	NORM	WET	2016
2017	1.19	2.11	3.87	4.00	0.83	5.21	2.15	17.02	21.85	14.36	21.29	17.70	NORM	NORM	NORM	NORM	NORM	2017
2018	2.51	2.17	4.09	11.33	4.54	5.50	8.38	19.12	44.34	40.37	36.91	40.68	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.98	2.00	2.44	March	2.00
April	1.63	2.75	3.34	April	2.75
May	2.81	3.75	4.38	May	3.75
June	2.36	3.61	4.33	June	3.61
July	1.86	3.30	4.02	July	3.30
August	1.56	2.90	3.54	August	2.90
Sept.	1.40	2.42	2.94	Sept.	2.42
Jun-MAM	12.67	18.75	22.26		
Jul-JMA	14.33	21.08	25.09		
Aug-JJM	13.11	20.87	25.10		
Sep-AJJ	10.76	18.91	22.99		
Oct-SAJ	9.18	16.36	19.92		

NOTE:
 Luverne NWS Station (MN4937) has not collected data as of 2001.
 Sioux Falls Foss FLD NWS Station (SD7667) was used for Mar 1962; Jun 1982; Mar 1996; Apr, May 2001; Mar-Aug 2002; Mar-Jun, Sep 2003; Mar-Jul, Sep 2004; Apr, May 2006; 2007-2009; 2011.
 Rock Co. NWS Station (MN7012) was used for Mar, Jun-Sep 2001; Sep 2002; Jul, Aug 2003; Aug 2004; 2005; Mar, Jun-Sep 2006.
 Rock Rapids NWS Station (IA7147) was used for 2010; 2012; Mar-May, Jul-Sep 2013; Mar, Apr, Sep 2014; Mar 2015; Mar, Apr 2016; Mar, Apr 2017; Mar-Jun, Sep 2018.

Rainfall Data
Madison Sewage Plant
Station #MN4994
Lac Qui Parle County, MN

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1939	0.68	1.81	2.6	5.86	2.18	5.66	1.09	12.10	24.59	20.86	27.20	16.77	NORM	WET	NORM	WET	NORM	1939
1958	0.55	2.39	1.75	2.21	2.77	2.10	1.47	10.58	12.52	14.48	14.05	11.38	NORM	NORM	NORM	NORM	NORM	1958
1965	3.75	3.65	6.54	8.03	2.74	1.13	6.00	30.67	40.82	30.82	16.90	23.00	WET	WET	WET	NORM	WET	1965
1971	0.15	1.21	1.91	7.41	1.05	2.85	1.71	8.30	27.26	19.88	18.06	11.88	DRY	WET	NORM	NORM	NORM	1971
1974	0.28	3.80	2.88	2.54	2.66	3.55	0.44	16.52	17.18	15.94	18.51	11.08	NORM	NORM	NORM	NORM	NORM	1974
1977	7.25	2.42	3.38	3.69	4.40	5.83	4.92	22.23	20.25	23.96	29.98	30.82	WET	NORM	NORM	WET	WET	1977
1978	0.92	1.92	2.28	3.32	2.28	2.13	4.01	11.60	16.44	15.76	14.27	18.57	NORM	NORM	NORM	NORM	NORM	1978
1979	2.01	2.60	2.00	4.34	3.43	5.25	1.07	13.21	19.62	20.97	26.95	17.14	NORM	NORM	NORM	WET	NORM	1979
1980	0.49	0.13	1.50	5.58	2.50	2.99	0.61	5.25	19.87	20.16	19.55	10.31	DRY	NORM	NORM	NORM	NORM	1980
1981	0.64	0.81	0.94	4.99	2.58	2.51	0.79	5.08	17.66	18.66	17.68	9.97	DRY	NORM	NORM	NORM	NORM	1981
1982	0.56	2.22	2.92	1.46	4.27	1.24	1.65	13.76	12.44	18.65	13.72	11.70	NORM	NORM	NORM	NORM	NORM	1982
1983	2.34	0.95	2.60	3.96	2.64	1.93	3.33	12.04	18.03	18.44	15.03	16.49	NORM	NORM	NORM	NORM	NORM	1983
1984	1.29	2.91	2.50	8.11	1.96	1.59	3.50	14.61	32.24	24.60	16.80	15.64	NORM	WET	NORM	NORM	NORM	1984
1985	1.52	2.37	2.75	1.91	3.28	4.31	3.70	14.51	13.60	16.41	21.40	23.00	NORM	NORM	NORM	NORM	WET	1985
1986	1.64	5.00	2.98	2.60	6.98	2.09	3.82	20.58	18.76	29.12	22.83	22.62	WET	NORM	WET	NORM	WET	1986
1987	1.37	0.53	1.55	1.27	4.08	2.84	2.46	7.08	7.44	16.33	17.95	17.14	DRY	DRY	NORM	NORM	NORM	1987
1988	0.69	0.89	2.24	0.72	0.53	3.41	3.32	9.19	7.53	5.27	12.01	17.31	NORM	DRY	DRY	DRY	NORM	1988
1989	2.42	2.66	1.73	2.69	5.72	2.49	1.44	12.93	14.19	24.27	21.60	15.02	NORM	NORM	NORM	NORM	NORM	1989
1990	1.51	1.22	2.92	5.17	3.39	3.56	1.05	12.71	22.57	23.43	22.63	13.66	NORM	NORM	NORM	NORM	NORM	1990
1991	1.44	4.56	4.15	8.30	6.04	4.07	2.32	23.01	37.76	38.87	32.59	21.14	WET	WET	WET	WET	WET	1991
1992	1.13	1.41	0.36	8.81	3.29	2.74	1.34	5.03	28.56	27.85	23.61	12.79	DRY	WET	WET	WET	NORM	1992
1993	0.85	2.10	4.82	7.28	5.94	2.43	2.33	19.51	33.58	37.20	26.45	17.79	WET	WET	WET	WET	NORM	1993
1994	0.59	3.59	2.01	4.17	3.64	2.65	3.00	13.80	20.12	21.27	19.40	17.94	NORM	NORM	NORM	NORM	NORM	1994
1995	3.32	3.48	3.68	1.23	6.45	3.20	3.65	21.32	14.53	25.49	23.73	23.80	WET	NORM	NORM	WET	WET	1995
1996	0.79	0.45	5.32	1.16	1.08	4.52	1.95	17.65	14.57	10.88	16.88	15.97	NORM	NORM	DRY	NORM	NORM	1996
1997	1.01	3.41	1.11	1.37	7.44	3.48	1.38	11.16	9.74	26.17	26.69	18.54	NORM	DRY	WET	WET	NORM	1997
1998	1.97	2.46	3.32	1.77	2.14	3.52	0.51	16.85	14.41	13.28	16.61	10.71	NORM	NORM	NORM	NORM	NORM	1998
1999	0.92	2.10	5.02	4.00	3.47	3.08	2.90	20.18	24.14	23.43	20.18	18.33	WET	WET	NORM	NORM	NORM	1999
2000	1.46	1.59	4.25	3.03	4.18	0.55	0.81	17.39	19.18	22.85	13.04	7.71	NORM	NORM	NORM	NORM	DRY	2000
2001	0.76	6.75	2.41	4.09	2.79	0.93	3.13	21.49	23.84	18.96	12.46	14.04	WET	WET	NORM	DRY	NORM	2001
2002	0.34	1.75	1.94	3.93	1.74	5.40	1.13	9.66	17.42	15.02	23.61	15.93	NORM	NORM	NORM	WET	NORM	2002
2003	0.30	2.58	4.17	1.42	1.72	1.04	2.39	17.97	15.18	12.17	7.98	10.97	WET	NORM	DRY	DRY	NORM	2003
2004	0.85	1.44	3.16	1.46	2.58	2.04	5.31	13.21	12.14	13.82	12.74	22.59	NORM	NORM	NORM	NORM	WET	2004
2005	0.20	2.51	3.06	4.72	2.62	2.41	4.52	14.40	22.79	20.36	17.19	21.00	NORM	NORM	NORM	NORM	WET	2005
2006	1.26	2.96	2.05	2.91	2.59	3.32	5.40	13.33	15.79	15.64	18.05	25.43	NORM	NORM	NORM	NORM	WET	2006
2007	1.86	4.39	1.85	4.41	0.78	3.05	2.91	16.19	21.32	13.01	15.12	15.61	NORM	NORM	NORM	NORM	NORM	2007
2008	1.14	2.59	4.11	4.00	2.38	0.83	2.26	18.65	22.81	19.25	11.25	10.82	WET	NORM	NORM	DRY	NORM	2008
2009	3.65	0.82	0.42	1.81	1.90	4.63	0.28	6.55	7.09	9.74	19.50	12.00	DRY	DRY	DRY	NORM	NORM	2009
2010	0.93	0.82	2.26	6.31	3.85	3.83	6.32	9.35	24.27	26.43	25.50	30.47	NORM	WET	WET	WET	WET	2010
2011	1.76	1.99	3.86	4.62	7.32	0.92	0.21	17.32	23.57	35.06	22.02	9.79	NORM	NORM	WET	NORM	DRY	2011
2012	1.36	3.54	4.54	2.07	0.50	2.30	0.31	22.06	18.83	10.18	9.97	6.03	WET	NORM	DRY	DRY	DRY	2012
2013	1.24	2.09	2.20	5.25	3.04	1.27	3.20	12.02	22.24	21.82	15.14	15.18	NORM	NORM	NORM	NORM	NORM	2013
2014	0.87	3.96	4.09	7.91	1.15	5.88	1.19	21.06	35.87	23.36	27.85	16.48	WET	WET	NORM	WET	NORM	2014
2015	0.38	0.71	5.82	2.80	5.01	5.69	0.85	19.26	20.75	26.45	29.89	18.94	WET	NORM	WET	WET	NORM	2015
2016	0.83	2.04	1.45	1.78	8.48	8.37	3.91	9.26	10.28	30.45	43.85	36.95	NORM	DRY	WET	WET	WET	2016
2017	0.60	1.73	4.55	2.33	0.77	7.21	3.25	17.71	17.82	11.52	25.50	24.94	NORM	NORM	DRY	WET	WET	2017
2018	2.54	0.88	1.04	4.61	4.65	3.54	2.54	7.42	16.79	24.21	24.53	19.35	DRY	NORM	NORM	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.78	1.49	1.81	March	1.49
April	1.27	2.19	2.67	April	2.19
May	1.74	2.94	3.58	May	2.94
June	2.12	3.77	4.60	June	3.77
July	2.10	3.52	4.26	July	3.52
August	2.07	2.90	3.44	August	2.90
Sept.	1.19	2.15	2.62	Sept.	2.15
Jun-MAM	8.54	14.69	17.89		
Jul-JMA	11.11	19.38	23.63		
Aug-JJM	12.28	21.04	25.56		
Sep-AJJ	12.53	19.51	23.44		
Oct-SAJ	9.81	15.77	19.00		

NOTE:
Canby NWS Station (MN1263) was used for 1939; Aug, Sep 1979; Apr 1980; Apr-Sep 1985; Mar, Aug 1986; Sep 1987; Sep 1988; Aug, Sep 1996.

Rainfall Data
 Pipestone
 Station #MN6565
 Pipestone County, MN

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches									Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-		June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1940	3.58	3.10	0.55	3.68	0.87	4.99	0.54		11.43	15.24	10.52	20.39	12.47	NORM	NORM	DRY	NORM	NORM	1940
1956	1.11	1.30	2.82	6.40	3.63	3.62	0.66		12.17	26.14	26.51	24.52	12.85	NORM	WET	WET	WET	NORM	1956
1962	1.45	2.64	8.22	3.15	7.54	2.17	3.04		31.39	28.53	37.14	24.74	21.00	WET	WET	WET	WET	NORM	1962
1964	1.62	2.48	2.30	1.61	2.60	3.26	3.23		13.48	11.91	13.32	16.59	18.81	NORM	DRY	NORM	NORM	NORM	1964
1968	1.02	4.97	2.71	3.99	2.03	2.39	5.79		19.09	22.36	16.78	15.22	24.18	NORM	NORM	NORM	NORM	WET	1968
1976	1.08	1.40	0.25	1.81	1.21	0.70	1.16		4.63	7.33	7.50	6.33	6.09	DRY	DRY	DRY	DRY	DRY	1976
1980	0.69	0.52	2.00	3.17	1.48	8.26	0.55		7.73	14.03	12.78	30.91	19.65	DRY	NORM	DRY	WET	NORM	1980
1981	1.26	1.28	0.58	2.84	4.24	5.29	0.83		5.56	10.96	18.98	27.19	17.31	DRY	DRY	NORM	WET	NORM	1981
1982	0.86	1.93	4.26	2.23	4.25	3.15	1.69		17.50	17.14	21.47	20.18	15.62	NORM	NORM	NORM	NORM	NORM	1982
1983	3.67	2.31	2.49	6.56	3.24	2.39	1.57		15.76	26.97	25.33	20.21	12.73	NORM	WET	NORM	NORM	NORM	1983
1984	1.88	4.86	3.06	9.57	2.99	1.18	0.94		20.78	39.69	31.17	19.09	8.17	WET	WET	WET	NORM	DRY	1984
1985	2.86	3.30	4.77	1.66	1.60	4.50	4.70		23.77	17.82	12.89	18.36	24.70	WET	NORM	DRY	NORM	WET	1985
1986	1.64	5.33	3.64	5.07	3.90	2.83	10.25		23.22	27.82	25.48	21.36	40.31	WET	WET	NORM	NORM	WET	1986
1987	3.59	0.37	3.87	1.69	6.96	1.32	3.63		15.94	13.18	28.13	19.57	20.49	NORM	NORM	WET	NORM	NORM	1987
1988	0.63	3.00	2.00	2.17	0.99	2.32	3.54		12.63	13.51	9.31	11.11	16.25	NORM	NORM	DRY	DRY	NORM	1988
1989	2.02	1.69	0.96	3.00	7.75	1.46	2.34		8.28	12.61	30.21	22.88	17.69	DRY	DRY	WET	NORM	NORM	1989
1990	2.00	1.58	4.83	4.04	5.07	3.17	0.41		19.65	23.36	28.12	23.69	12.64	NORM	NORM	WET	NORM	NORM	1990
1991	0.64	2.13	3.18	3.28	1.48	2.25	4.59		14.44	18.33	14.18	12.99	19.75	NORM	NORM	NORM	NORM	NORM	1991
1992	2.59	1.26	0.73	4.11	4.47	5.58	2.78		7.30	15.05	22.36	29.79	23.97	DRY	NORM	NORM	WET	WET	1992
1993	1.14	2.19	8.61	9.86	6.29	2.92	2.86		31.35	48.99	47.20	31.20	20.71	WET	WET	WET	WET	NORM	1993
1994	0.29	4.66	1.62	4.15	1.46	3.70	3.22		14.47	20.35	14.30	18.17	18.52	NORM	NORM	NORM	NORM	NORM	1994
1995	4.07	5.62	3.94	2.83	6.42	3.21	3.50		27.13	21.99	28.86	25.30	23.34	WET	NORM	WET	WET	WET	1995
1996	0.64	0.34	4.10	3.17	1.21	2.18	4.58		13.62	18.05	14.07	12.13	19.31	NORM	NORM	NORM	DRY	NORM	1996
1997	0.85	2.01	2.08	3.67	1.91	1.11	1.92		11.11	17.18	15.15	10.82	9.89	NORM	NORM	NORM	DRY	DRY	1997
1998	3.24	2.21	1.99	3.26	2.37	3.28	1.38		13.63	15.97	15.62	17.84	13.07	NORM	NORM	NORM	NORM	NORM	1998
1999	0.83	5.25	3.22	6.79	3.38	2.29	1.35		20.99	32.06	26.94	20.42	12.01	WET	WET	WET	NORM	NORM	1999
2000	1.08	3.01	7.83	2.08	1.71	2.39	0.95		30.59	24.91	17.12	12.67	9.34	WET	NORM	NORM	NORM	DRY	2000
2001	0.08	6.89	3.57	5.19	2.59	0.80	3.14		24.57	29.60	21.72	12.77	13.61	WET	WET	NORM	NORM	NORM	2001
2002	1.75	2.60	1.33	4.85	1.93	7.66	1.97		10.94	19.81	16.82	31.69	23.16	NORM	NORM	NORM	WET	WET	2002
2003	0.43	7.64	2.74	4.08	1.79	1.67	4.29		23.93	25.36	16.27	12.67	18.00	WET	WET	NORM	NORM	NORM	2003
2004	1.81	1.11	6.72	3.53	4.44	2.85	5.21		24.19	25.14	27.10	20.96	25.77	WET	NORM	WET	NORM	WET	2004
2005	1.11	2.24	3.73	6.27	5.34	2.36	7.9		16.78	28.51	32.29	24.03	33.76	NORM	WET	WET	WET	WET	2005
2006	2.82	3.24	1.63	2.82	0.24	5.47	3.44		14.19	14.96	7.99	19.71	21.50	NORM	NORM	DRY	NORM	NORM	2006
2007	1.92	2.42	3.08	1.06	0.30	6.20	2.58		16.00	11.76	6.10	20.26	20.44	NORM	DRY	DRY	NORM	NORM	2007
2008	1.13	2.72	2.92	5.04	2.64	1.81	1.51		15.33	23.68	20.92	15.75	10.79	NORM	NORM	NORM	NORM	NORM	2008
2009	1.10	2.11	1.62	3.58	3.20	4.00	0.89		10.18	16.09	18.38	21.98	13.87	NORM	NORM	NORM	NORM	NORM	2009
2010	0.59	2.01	3.53	7.78	6.02	5.06	9.58		15.20	32.41	37.15	35.00	44.88	NORM	WET	WET	WET	WET	2010
2011	1.42	3.11	6.63	4.25	7.54	1.49	0.23		27.53	29.12	37.75	23.80	11.21	WET	WET	WET	NORM	NORM	2011
2012	1.31	4.94	11.06	1.69	0.41	1.58	1.12		44.37	32.13	15.67	7.25	6.93	WET	WET	NORM	DRY	DRY	2012
2013	1.03	4.10	3.40	6.82	2.37	3.09	1.55		19.43	31.36	24.15	20.83	13.20	NORM	WET	NORM	NORM	NORM	2013
2014	0.99	2.06	2.37	7.83	2.19	4.13	1.95		12.22	30.29	24.60	24.60	16.30	NORM	WET	NORM	WET	NORM	2014
2015	0.37	1.67	5.37	5.05	6.62	6.68	2.23		19.82	27.56	35.33	38.33	26.67	NORM	WET	WET	WET	WET	2015
2016	2.36	2.56	5.28	2.06	4.90	4.21	3.54		23.32	19.30	24.10	24.49	23.94	WET	NORM	NORM	WET	WET	2016
2017	0.46	1.62	5.05	3.79	2.45	7.16	1.84		18.85	23.09	19.98	30.17	22.29	NORM	NORM	NORM	WET	WET	2017
2018	3.11	1.69	2.17	7.68	5.15	5.08	6.37		13.00	29.07	32.98	33.22	34.42	NORM	WET	WET	WET	WET	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data	
	Bound	N	Bound			
March	0.98	1.72	2.09		March	1.72
April	1.39	2.41	2.94		April	2.41
May	1.84	3.32	4.05		May	3.32
June	2.55	3.93	4.73		June	3.93
July	2.07	3.31	4.00		July	3.31
August	1.94	2.76	3.75		August	2.76
Sept.	1.46	2.22	3.36		Sept.	2.22
Jun-MAM	9.28	16.50	20.12			
Jul-JMA	12.72	20.84	25.23			
Aug-JJM	13.15	21.11	25.51			
Sep-AJJ	12.51	18.83	23.98			
Oct-SAJ	10.33	15.49	21.58			

NOTE:
 Flandreau NWS Station (SD2984) was used for Sep 1981.

Rainfall Data
Wheaton
Station #MN8907
Traverse County, MN

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1953	0.17	3.62	2.73	6.06	1.34	2.83	0.30	15.60	27.26	18.87	17.23	7.90	NORM	WET	NORM	NORM	DRY	1953
1971	0.19	1.44	1.50	7.22	1.39	2.42	1.49	7.57	26.10	20.11	17.26	10.70	NORM	WET	NORM	NORM	NORM	1971
1978	0.58	3.41	2.46	4.87	3.42	1.66	1.46	14.78	22.94	22.46	16.69	11.12	NORM	WET	NORM	NORM	NORM	1978
1980	0.68	0.11	1.28	5.52	1.72	2.74	2.11	4.74	19.23	17.48	17.18	13.53	DRY	NORM	NORM	NORM	NORM	1980
1981	0.67	1.42	1.47	3.96	1.99	1.98	0.58	7.92	16.24	15.36	13.88	7.69	NORM	NORM	NORM	NORM	DRY	1981
1982	2.56	0.28	1.18	2.11	3.06	5.05	2.17	6.66	8.97	14.58	23.38	19.67	DRY	DRY	NORM	WET	WET	1982
1983	2.48	0.62	0.64	2.68	2.64	2.95	2.07	5.64	9.94	13.92	16.81	14.75	DRY	DRY	NORM	NORM	NORM	1983
1984	1.63	2.94	1.27	8.72	1.64	1.88	0.90	11.32	31.64	23.63	17.64	8.10	NORM	WET	WET	NORM	DRY	1984
1985	1.88	1.30	5.35	1.73	2.81	3.20	3.22	20.53	17.19	17.24	16.95	18.87	WET	NORM	NORM	NORM	WET	1985
1986	0.93	6.01	2.45	5.99	3.90	4.37	4.84	20.30	28.88	26.13	26.90	27.16	WET	WET	WET	WET	WET	1986
1987	1.30	0.60	2.13	0.79	3.76	1.27	2.95	8.89	7.23	14.99	12.12	15.15	NORM	DRY	NORM	NORM	NORM	1987
1988	0.96	0.42	4.15	1.74	1.26	4.74	4.52	14.25	13.94	11.41	18.48	24.30	NORM	NORM	DRY	NORM	WET	1988
1989	1.68	2.57	1.67	1.80	5.16	2.07	2.27	11.83	11.31	20.75	18.33	16.11	NORM	NORM	NORM	NORM	NORM	1989
1990	2.35	2.15	1.48	5.37	2.51	3.31	2.75	11.09	21.22	19.75	20.32	17.38	NORM	NORM	NORM	NORM	NORM	1990
1991	1.84	5.09	3.96	7.81	3.98	3.02	2.59	23.90	36.44	31.52	24.83	17.79	WET	WET	WET	WET	WET	1991
1992	1.10	1.66	1.45	5.00	1.74	1.77	2.32	8.77	19.56	16.67	13.79	12.24	NORM	NORM	NORM	NORM	NORM	1992
1993	1.48	1.82	3.97	4.82	7.13	2.27	1.66	17.03	24.22	35.00	25.89	16.65	WET	WET	WET	WET	NORM	1993
1994	0.56	4.22	1.49	2.80	5.01	2.25	2.01	13.47	15.60	22.12	19.57	15.54	NORM	NORM	NORM	NORM	NORM	1994
1995	4.10	2.39	3.96	2.12	4.33	3.20	5.92	20.76	16.67	21.19	20.38	28.49	WET	NORM	NORM	NORM	WET	1995
1996	0.82	0.21	4.49	1.96	3.12	0.79	3.64	14.71	15.07	17.77	10.57	15.62	NORM	NORM	NORM	DRY	NORM	1996
1997	1.52	2.90	1.56	1.33	3.19	4.01	0.95	12.00	10.01	13.79	19.74	14.06	NORM	DRY	NORM	NORM	NORM	1997
1998	0.93	1.58	3.77	2.84	2.90	1.62	0.27	15.40	17.64	18.15	13.50	6.95	NORM	NORM	NORM	NORM	DRY	1998
1999	1.57	1.44	4.43	4.11	3.62	2.99	3.13	17.74	22.63	23.51	20.32	18.99	WET	WET	WET	NORM	WET	1999
2000	1.41	2.90	0.99	3.29	5.33	1.17	1.42	10.18	14.75	23.56	17.46	11.93	NORM	NORM	WET	NORM	NORM	2000
2001	0.37	4.66	2.59	4.22	5.19	2.73	3.56	17.46	22.50	26.60	22.79	21.33	WET	WET	WET	WET	WET	2001
2002	0.99	1.53	2.50	3.29	5.18	2.44	1.04	11.55	16.40	24.62	20.97	13.18	NORM	NORM	WET	NORM	NORM	2002
2003	0.06	2.12	2.35	6.98	1.42	0.52	1.56	11.35	27.76	20.57	11.38	7.14	NORM	WET	NORM	DRY	DRY	2003
2004	1.01	1.29	5.24	2.81	6.09	3.67	7.89	19.31	20.20	29.13	26.00	37.10	WET	NORM	WET	WET	WET	2004
2005	0.06	1.26	2.30	8.92	3.90	4.13	3.45	9.48	32.62	31.84	29.11	22.51	NORM	WET	WET	WET	WET	2005
2006	1.14	3.11	2.26	3.21	1.32	4.00	7.75	14.14	17.26	12.64	17.85	32.57	NORM	NORM	DRY	NORM	WET	2006
2007	2.50	4.62	4.94	8.09	1.06	3.53	3.72	26.56	38.77	24.30	20.80	19.28	WET	WET	WET	NORM	WET	2007
2008	1.01	3.06	1.66	4.58	0.70	3.00	3.76	12.11	20.12	12.92	14.98	17.98	NORM	NORM	NORM	NORM	WET	2008
2009	2.58	1.06	1.19	2.26	1.28	2.70	2.53	8.27	10.22	9.55	12.92	14.27	NORM	DRY	DRY	NORM	NORM	2009
2010	1.21	1.87	1.81	2.94	2.49	3.95	7.42	10.38	14.31	15.16	19.77	32.65	NORM	NORM	NORM	NORM	WET	2010
2011	1.07	1.48	3.36	4.12	8.02	2.52	0.41	14.11	20.56	35.66	27.72	14.29	NORM	NORM	WET	WET	NORM	2011
2012	0.55	4.10	1.99	3.62	3.33	2.57	0.12	14.72	18.94	19.22	17.99	8.83	NORM	NORM	NORM	NORM	NORM	2012
2013	1.55	1.46	2.82	4.55	2.42	1.12	3.67	12.93	20.75	19.18	12.75	15.67	NORM	NORM	NORM	NORM	NORM	2013
2014	0.40	4.21	1.63	8.04	2.13	3.27	0.80	13.71	31.59	24.10	22.11	11.07	NORM	WET	WET	WET	NORM	2014
2015	0.53	0.57	6.04	4.43	2.67	1.73	0.78	19.79	25.94	22.91	14.96	8.47	WET	WET	NORM	NORM	NORM	2015
2016	0.34	1.91	1.23	1.82	6.32	3.17	1.72	7.85	9.83	23.83	23.97	17.82	NORM	DRY	WET	WET	WET	2016
2017	0.15	1.74	2.24	5.03	0.98	4.24	3.72	10.35	21.31	15.24	19.71	20.62	NORM	NORM	NORM	NORM	WET	2017
2018	2.29	0.52	1.44	4.55	5.14	1.21	1.89	7.65	17.05	25.96	18.46	13.23	NORM	NORM	WET	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.9	1.50	1.83	March	1.50
April	0.92	1.95	2.38	April	1.95
May	1.54	2.54	3.08	May	2.54
June	2.31	3.77	4.56	June	3.77
July	2.20	3.11	3.68	July	3.11
August	1.66	2.53	3.04	August	2.53
Sept.	0.96	2.10	2.56	Sept.	2.10
Jun-MAM	7.36	13.02	15.83		
Jul-JMA	10.93	18.34	22.22		
Aug-JJM	12.76	19.41	23.24		
Sep-AJJ	11.69	17.58	21.04		
Oct-SAJ	8.40	14.47	17.44		

NOTE:
Victor 4 NNE NWS Station (SD8652) was used for May 1987.

Rainfall Data
Forbes 10 NW
Station #ND3064
Dickey County, ND

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1965	0.94	2.64	4.52	2.03	3.52	3.42	3.03	19.78	17.77	19.14	19.33	19.45	WET	NORM	NORM	WET	WET	1965
1970	1.89	4.10	3.31	1.74	1.74	0.57	1.25	20.02	15.94	12.01	6.93	6.63	WET	NORM	NORM	DRY	NORM	1970
1978	1.05	2.12	3.95	6.50	1.31	1.77	1.00	17.14	29.52	20.88	14.43	7.85	WET	WET	WET	NORM	NORM	1978
1979	0.80	2.60	1.40	4.11	1.26	0.77	0.47	10.20	17.73	13.40	8.94	4.21	NORM	NORM	NORM	NORM	DRY	1979
1980	1.12	0.60	1.51	2.48	2.34	2.98	0.27	6.85	11.06	13.49	16.10	9.11	DRY	NORM	NORM	NORM	NORM	1980
1981	1.30	0.73	2.18	4.65	6.89	2.57	1.55	9.30	19.04	32.15	26.14	16.68	NORM	NORM	WET	WET	WET	1981
1982	1.07	0.99	3.77	1.58	1.53	0.68	1.57	14.36	13.27	11.52	6.68	7.60	NORM	NORM	NORM	DRY	NORM	1982
1983	2.00	1.20	1.32	3.05	2.35	1.57	0.72	8.36	12.99	14.47	12.46	7.65	NORM	NORM	NORM	NORM	NORM	1983
1984	2.37	3.40	1.62	4.27	1.79	3.05	0.96	14.03	19.45	15.53	17.00	10.77	NORM	NORM	NORM	NORM	NORM	1984
1985	1.33	0.46	4.10	1.64	0.34	1.51	2.09	14.55	13.58	8.40	6.85	9.63	NORM	NORM	DRY	DRY	NORM	1985
1986	0.86	7.38	3.03	1.35	3.42	2.03	4.47	24.71	17.49	15.99	14.28	20.89	WET	NORM	NORM	NORM	WET	1986
1987	1.48	0.00	2.79	1.90	4.06	3.07	0.41	9.85	11.28	18.77	19.23	11.43	NORM	NORM	NORM	WET	NORM	1987
1988	0.18	0.03	2.61	1.52	0.35	1.72	1.89	8.07	9.81	6.70	7.38	9.46	NORM	DRY	DRY	DRY	NORM	1988
1989	1.81	2.31	1.37	1.20	2.05	3.83	0.81	10.54	8.65	9.92	16.79	12.14	NORM	DRY	NORM	NORM	NORM	1989
1990	0.36	1.36	1.26	4.83	1.90	2.12	2.52	6.86	18.37	16.62	14.99	13.70	DRY	NORM	NORM	NORM	NORM	1990
1991	0.74	2.60	7.61	5.20	1.84	2.29	0.62	28.77	33.42	23.53	15.75	8.28	WET	WET	WET	NORM	NORM	1991
1992	1.01	1.10	2.71	3.28	2.02	2.28	0.59	11.34	16.36	15.33	14.16	8.35	NORM	NORM	NORM	NORM	NORM	1992
1993	0.13	0.61	4.18	5.64	6.63	2.13	1.55	13.89	25.89	35.35	25.29	15.54	NORM	WET	WET	WET	WET	1993
1994	0.30	1.81	1.29	1.40	8.42	2.68	1.71	7.79	8.59	29.35	26.28	18.91	DRY	DRY	WET	WET	WET	1994
1995	2.03	1.56	5.65	2.20	3.03	0.99	1.42	22.10	19.46	19.14	11.23	9.27	WET	NORM	NORM	NORM	NORM	1995
1996	0.67	0.19	5.55	2.14	1.88	0.68	6.91	17.70	17.71	15.47	7.94	23.97	WET	NORM	NORM	DRY	WET	1996
1997	1.16	1.19	1.25	3.00	2.85	1.03	1.01	7.29	12.69	15.80	11.79	7.94	DRY	NORM	NORM	NORM	NORM	1997
1998	0.76	1.90	1.92	4.88	2.98	6.89	1.11	10.32	20.38	20.62	31.51	20.09	NORM	NORM	WET	WET	WET	1998
1999	0.85	2.45	4.32	4.26	3.23	2.98	4.78	18.71	23.87	22.53	19.66	23.53	WET	WET	WET	WET	WET	1999
2000	1.55	1.36	2.42	1.90	3.58	1.11	1.31	11.53	11.90	16.96	12.39	9.73	NORM	NORM	NORM	NORM	NORM	2000
2001	0.00	2.68	1.44	3.33	2.66	0.98	3.21	9.68	15.55	16.08	11.59	14.25	NORM	NORM	NORM	NORM	NORM	2001
2002	0.87	1.58	1.57	0.88	4.04	1.82	3.01	8.74	7.36	15.45	14.42	16.71	NORM	DRY	NORM	NORM	WET	2002
2003	0.56	1.59	6.88	6.77	0.98	0.31	1.30	24.38	35.66	23.36	9.66	5.50	WET	WET	WET	NORM	DRY	2003
2004	2.79	0.70	4.30	2.67	2.32	1.78	5.60	17.09	17.31	16.60	12.65	22.68	WET	NORM	NORM	NORM	WET	2004
2005	0.08	0.65	4.69	8.76	3.73	3.54	5.24	15.45	36.31	33.40	26.84	26.53	NORM	WET	WET	WET	WET	2005
2006	0.77	1.60	3.90	1.17	1.45	4.53	3.15	15.67	12.91	10.59	17.66	19.96	NORM	NORM	NORM	WET	WET	2006
2007	1.39	2.45	4.97	3.27	3.68	3.20	1.10	21.20	22.20	22.55	20.23	13.38	WET	WET	WET	WET	NORM	2007
2008	0.52	0.80	2.07	5.81	3.65	2.86	5.12	8.33	22.37	24.64	21.69	24.73	NORM	WET	WET	WET	WET	2008
2009	2.83	1.43	0.85	3.11	3.09	3.43	2.96	8.24	12.46	16.34	19.58	18.83	NORM	NORM	NORM	WET	WET	2009
2010	1.02	1.36	5.23	1.77	1.18	0.99	4.36	19.43	17.13	12.31	7.10	16.24	WET	NORM	NORM	DRY	WET	2010
2011	1.04	2.96	2.82	4.37	4.60	2.26	1.09	15.42	21.71	25.36	20.35	12.39	NORM	WET	WET	WET	NORM	2011
2012	0.44	4.17	1.85	0.98	2.08	1.14	0.22	14.33	10.81	10.05	8.56	5.02	NORM	NORM	NORM	NORM	DRY	2012
2013	0.08	1.17	3.46	3.52	1.56	0.32	2.92	12.80	18.65	15.18	7.60	10.96	NORM	NORM	NORM	DRY	NORM	2013
2014	0.42	3.25	1.08	7.04	0.68	6.86	0.55	10.16	26.53	17.20	28.98	16.05	NORM	WET	NORM	WET	WET	2014
2015	0.29	0.33	10.47	3.88	3.28	4.55	0.60	32.36	32.91	28.07	24.09	14.18	WET	WET	WET	WET	NORM	2015
2016	0.71	4.23	1.54	3.34	6.61	5.09	2.39	13.79	17.33	28.05	31.83	23.96	NORM	NORM	WET	WET	WET	2016
2017	0.29	0.98	2.42	2.73	1.95	4.52	2.59	9.51	14.01	13.73	20.19	18.76	NORM	NORM	NORM	WET	WET	2017
2018	1.99	0.91	1.71	2.96	3.19	1.15	2.66	8.94	13.21	17.20	12.79	13.47	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.66	1.30	1.58	March	1.30
April	0.78	1.74	2.15	April	1.74
May	1.91	3.01	3.62	May	3.01
June	1.85	3.17	3.85	June	3.17
July	1.24	2.45	3.00	July	2.45
August	1.35	2.10	2.53	August	2.10
Sept.	0.72	1.74	2.13	Sept.	1.74

Jun-MAM	7.95	13.81	16.74
Jul-JMA	10.15	17.27	20.94
Aug-JJM	9.33	16.70	20.32
Sep-AJJ	8.38	14.37	17.44
Oct-SAJ	6.10	11.87	14.45

NOTE:

Forbes 10 NW NWS Station (ND3064) has not collected data as of 2013.
 Leola NWS Station (SD4891) was used for Jul 1986; Jun 1998.
 Fullerton NWS Station (ND3287) was used for Sep 2012.
 Elm Lake 4 NW NWS Station (SD2636) was used for May-Sep 2013; 2014-2018.

Rainfall Data
Forman 5 SSE
Station #ND3117
Sargent County, ND

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches									Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-		June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1953	0.25	3.05	5.79	4.63	1.07	2.21	0.29		23.72	28.52	18.26	13.40	6.36	WET	WET	NORM	NORM	DRY	1953
1958	0.23	3.36	1.52	3.14	2.55	1.30	1.76		11.51	15.82	15.45	12.14	10.43	NORM	NORM	NORM	NORM	NORM	1958
1960	0.56	2.81	3.41	4.16	1.66	4.21	1.16		16.41	22.11	16.71	20.11	13.56	WET	WET	NORM	WET	NORM	1960
1965	0.52	2.78	4.06	3.87	3.83	2.80	3.13		18.26	22.51	23.29	19.93	18.82	WET	WET	WET	WET	WET	1965
1971	0.07	1.19	1.56	4.85	1.98	3.71	1.25		7.13	18.86	17.20	19.94	13.15	NORM	NORM	NORM	WET	NORM	1971
1978	0.48	1.75	2.43	7.34	1.97	2.30	1.58		11.27	28.63	23.02	18.18	11.31	NORM	WET	WET	DRY	NORM	1978
1979	1.60	2.28	1.26	2.30	3.19	2.41	0.31		9.94	11.70	15.43	15.91	8.94	NORM	NORM	NORM	NORM	NORM	1979
1980	0.94	0.38	2.22	4.01	0.85	3.43	2.10		8.36	16.85	12.79	16.00	14.01	NORM	NORM	NORM	NORM	NORM	1980
1981	1.07	0.89	1.34	4.94	3.05	2.45	0.56		6.87	18.39	20.37	18.39	9.63	DRY	NORM	NORM	NORM	NORM	1981
1982	2.21	0.44	2.44	1.58	1.56	1.44	1.25		10.41	10.06	10.28	9.02	8.19	NORM	NORM	DRY	DRY	NORM	1982
1983	2.01	0.44	1.69	2.71	3.36	2.81	0.74		7.96	11.95	17.19	17.86	11.20	NORM	NORM	NORM	NORM	NORM	1983
1984	2.06	2.39	0.94	5.14	1.64	1.55	0.97		9.66	19.69	16.14	13.07	7.65	NORM	NORM	NORM	NORM	NORM	1984
1985	1.22	0.33	4.56	2.29	1.40	2.06	1.99		15.56	16.32	13.34	11.27	11.49	WET	NORM	NORM	NORM	NORM	1985
1986	0.63	8.83	2.49	3.51	4.88	3.92	2.67		25.76	24.34	24.15	25.03	20.73	WET	WET	WET	WET	WET	1986
1987	1.48	0.39	1.77	0.79	4.85	1.53	2.43		7.57	6.30	17.90	15.08	15.20	NORM	DRY	NORM	NORM	NORM	1987
1988	0.67	0.03	2.46	1.62	1.70	2.06	5.68		8.11	9.81	10.80	11.20	22.86	NORM	DRY	DRY	NORM	WET	1988
1989	1.65	2.04	2.42	1.97	2.93	2.86	2.02		12.99	12.79	15.15	16.41	14.71	NORM	NORM	NORM	NORM	NORM	1989
1990	1.68	1.45	0.59	3.75	2.32	2.17	2.31		6.35	13.88	15.05	14.90	13.59	DRY	NORM	NORM	NORM	NORM	1990
1991	0.41	3.47	4.65	7.21	3.53	1.22	1.23		21.30	34.40	29.66	17.93	9.66	WET	WET	WET	NORM	NORM	1991
1992	0.86	0.76	2.82	6.86	2.54	2.59	2.60		10.84	26.98	24.16	19.71	15.52	NORM	WET	WET	WET	NORM	1992
1993	0.70	1.64	3.23	5.08	4.91	2.12	0.79		13.67	23.34	28.12	21.26	11.52	NORM	WET	WET	WET	NORM	1993
1994	0.60	2.45	1.37	0.89	5.34	1.32	1.56		9.61	7.86	19.17	15.53	12.66	NORM	DRY	NORM	NORM	NORM	1994
1995	2.62	1.95	2.95	2.38	5.43	1.84	2.17		15.37	14.99	24.00	18.76	15.62	WET	NORM	WET	NORM	NORM	1995
1996	1.17	0.22	4.51	2.14	1.74	0.46	2.63		15.14	15.66	14.01	7.00	10.55	WET	NORM	NORM	DRY	NORM	1996
1997	0.77	1.99	1.23	1.26	4.55	2.66	2.54		8.44	8.23	17.40	18.34	17.49	NORM	DRY	NORM	NORM	WET	1997
1998	1.46	2.72	5.87	8.42	2.15	1.93	0.69		24.51	39.72	29.16	18.51	8.08	WET	WET	WET	NORM	NORM	1998
1999	1.20	0.78	2.61	4.64	3.70	3.98	5.34		10.59	19.92	22.99	23.98	27.68	NORM	NORM	WET	WET	WET	1999
2000	1.40	1.70	1.53	3.03	5.32	1.39	1.35		9.39	13.85	23.55	17.84	12.15	NORM	NORM	WET	NORM	NORM	2000
2001	0.12	3.85	1.60	4.00	4.38	1.22	3.54		12.62	19.05	22.74	16.42	17.44	NORM	NORM	WET	NORM	WET	2001
2002	0.87	1.79	2.06	4.25	7.01	2.16	1.83		10.63	18.66	31.59	24.75	16.82	NORM	NORM	WET	WET	WET	2002
2003	0.18	2.84	3.41	5.84	3.14	0.43	1.34		16.09	27.18	24.51	13.41	8.02	WET	WET	WET	NORM	NORM	2003
2004	0.98	0.87	6.86	2.53	3.16	0.97	3.53		23.30	22.18	21.40	11.76	15.69	WET	WET	NORM	NORM	NORM	2004
2005	0.05	0.54	3.03	11.44	2.63	4.86	2.96		10.22	40.92	33.80	31.28	21.23	NORM	WET	WET	WET	WET	2005
2006	1.21	1.30	2.78	1.31	1.69	3.53	3.31		12.15	10.79	10.47	15.28	18.68	NORM	NORM	DRY	NORM	WET	2006
2007	1.68	3.74	4.44	6.79	3.87	1.92	2.28		22.48	32.99	29.63	20.29	14.55	WET	WET	WET	WET	NORM	2007
2008	0.32	1.19	1.48	4.43	1.82	1.63	4.59		7.14	17.44	15.80	12.96	18.85	NORM	NORM	NORM	NORM	WET	2008
2009	1.62	1.24	1.21	7.79	2.23	2.31	2.83		7.73	27.03	23.48	19.18	15.34	NORM	WET	WET	NORM	NORM	2009
2010	1.14	1.27	3.73	3.56	3.79	3.01	6.22		14.87	19.41	22.22	20.17	28.47	NORM	NORM	NORM	WET	WET	2010
2011	1.49	2.58	3.15	3.18	7.96	1.34	0.48		16.10	18.42	33.39	23.12	12.08	WET	NORM	WET	WET	NORM	2011
2012	0.78	3.18	2.20	3.18	1.98	1.02	0.15		13.74	17.12	14.50	10.20	4.47	NORM	NORM	NORM	DRY	DRY	2012
2013	0.54	1.36	3.16	5.08	1.54	0.53	6.57		12.74	22.92	17.94	9.75	22.31	NORM	WET	NORM	DRY	WET	2013
2014	0.02	3.13	2.92	6.75	1.48	3.17	0.89		15.04	29.22	20.86	19.22	10.49	NORM	WET	NORM	NORM	NORM	2014
2015	0.59	0.39	7.31	1.85	1.51	0.96	2.13		23.30	20.56	15.54	7.75	9.82	WET	NORM	NORM	DRY	NORM	2015
2016	0.61	2.65	1.01	1.84	4.21	5.45	0.95		8.94	10.19	17.32	26.61	17.96	NORM	NORM	NORM	WET	WET	2016
2017	0.03	1.89	1.20	3.54	0.89	5.56	4.93		7.41	14.91	10.95	22.00	26.80	NORM	NORM	DRY	WET	WET	2017
2018	1.74	0.31	0.76	4.89	5.47	1.75	1.99		4.64	16.50	26.95	21.08	14.94	DRY	NORM	WET	WET	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.72	1.24	1.51	March	1.24
April	0.70	1.68	2.05	April	1.68
May	1.60	2.60	3.15	May	2.60
June	1.99	3.54	4.31	June	3.54
July	1.99	3.02	3.62	July	3.02
August	1.52	2.25	2.69	August	2.25
Sept.	0.64	1.93	2.36	Sept.	1.93
Jun-MAM	6.92	12.40	15.06	NOTE:	
Jul-JMA	9.87	17.50	21.28		
Aug-JJM	11.55	18.74	22.63		
Sep-AJJ	10.53	16.33	19.62		
Oct-SAJ	6.95	13.31	16.08		

Rainfall Data
FULLERTON 1 ESE
Station #ND3287
Dickey County, ND

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1965	0.38	3.21	3.79	5.01	3.00	2.28	2.87	18.17	25.82	22.81	17.85	16.17	WET	WET	WET	NORM	NORM	1965
1978	0.60	2.31	3.62	6.81	2.28	2.40	5.16	16.08	29.98	24.08	18.57	22.56	NORM	WET	WET	NORM	WET	1978
1979	1.65	3.71	1.45	2.43	3.73	1.10	0.41	13.42	13.90	17.50	13.19	7.16	NORM	NORM	NORM	NORM	NORM	1979
1980	0.38	0.94	5.04	2.16	1.23	2.74	0.71	17.38	17.50	13.05	12.84	8.84	WET	NORM	NORM	NORM	NORM	1980
1981	1.14	0.63	1.47	4.43	5.37	2.94	1.85	6.81	16.86	26.44	23.99	16.80	DRY	NORM	WET	WET	WET	1981
1982	1.91	0.57	2.99	1.39	3.13	0.29	1.15	12.02	10.72	15.16	8.52	7.16	NORM	NORM	NORM	DRY	NORM	1982
1983	2.34	1.13	1.68	2.75	2.78	2.34	1.36	9.64	12.74	15.52	15.33	11.54	NORM	NORM	NORM	NORM	NORM	1983
1984	1.85	2.99	0.74	4.62	2.20	1.03	1.12	10.05	18.33	16.58	12.11	7.62	NORM	NORM	NORM	NORM	NORM	1984
1985	1.80	0.52	4.21	1.35	0.59	1.76	1.24	15.47	12.99	8.68	7.81	7.83	NORM	NORM	DRY	DRY	NORM	1985
1986	1.81	8.61	3.55	1.76	5.22	3.85	5.58	29.68	20.99	22.73	23.75	29.66	WET	WET	WET	WET	WET	1986
1987	1.80	0.00	3.65	0.96	2.83	2.61	0.63	12.75	10.18	14.06	14.45	9.94	NORM	NORM	NORM	NORM	NORM	1987
1988	0.71	0.06	2.45	1.11	0.72	2.42	2.95	8.18	8.29	6.83	9.81	14.41	NORM	DRY	DRY	NORM	NORM	1988
1989	2.56	2.85	1.29	1.31	2.63	3.82	0.98	12.13	9.36	11.80	18.03	13.21	NORM	NORM	NORM	NORM	NORM	1989
1990	1.13	2.10	0.37	4.07	2.40	2.52	1.40	6.44	15.05	15.71	16.43	11.64	DRY	NORM	NORM	NORM	NORM	1990
1991	0.89	3.39	9.24	4.98	0.80	0.95	1.94	35.39	36.81	21.60	9.43	8.52	WET	WET	NORM	NORM	NORM	1991
1992	1.61	0.45	2.01	4.06	2.93	1.24	0.83	8.54	16.65	18.92	13.64	7.90	NORM	NORM	NORM	NORM	NORM	1992
1993	0.59	1.26	3.56	6.74	6.99	2.43	0.64	13.79	28.60	38.01	28.01	13.77	NORM	WET	WET	WET	NORM	1993
1994	0.50	2.03	0.83	1.00	6.25	2.28	0.88	7.05	6.69	21.58	20.34	13.45	DRY	DRY	NORM	WET	NORM	1994
1995	1.99	1.77	3.21	3.26	5.14	1.68	1.14	15.16	17.97	25.15	18.58	11.92	NORM	NORM	WET	NORM	NORM	1995
1996	0.93	0.32	3.23	1.62	1.93	0.42	5.38	11.26	11.64	12.26	6.74	18.91	NORM	NORM	NORM	DRY	WET	1996
1997	1.05	1.47	1.62	2.12	3.77	1.02	1.13	8.85	11.07	17.17	12.72	9.20	NORM	NORM	NORM	NORM	NORM	1997
1998	0.83	2.36	2.38	5.30	1.97	5.63	1.74	12.69	23.02	18.89	26.13	18.45	NORM	WET	NORM	WET	WET	1998
1999	1.27	1.23	4.65	4.44	3.59	2.99	5.12	17.68	23.85	24.30	20.59	24.93	WET	WET	WET	WET	WET	1999
2000	2.27	0.95	2.61	2.56	3.58	1.48	2.15	12.00	13.85	18.47	14.16	12.99	NORM	NORM	NORM	NORM	NORM	2000
2001	0.03	1.82	2.62	2.88	3.30	2.77	3.89	11.53	15.70	18.28	17.79	20.51	NORM	NORM	NORM	NORM	WET	2001
2002	0.70	1.46	1.47	2.24	3.85	2.51	2.37	8.03	11.12	17.50	17.47	15.98	NORM	NORM	NORM	NORM	NORM	2002
2003	0.39	1.73	6.40	4.80	1.19	0.68	1.77	23.05	28.93	19.57	9.22	7.86	WET	WET	NORM	NORM	NORM	2003
2004	1.71	0.79	6.53	2.20	2.41	1.40	5.35	22.88	20.45	18.16	11.22	21.26	WET	NORM	NORM	NORM	WET	2004
2005	0.10	0.72	3.53	7.36	2.53	3.41	2.24	12.13	29.86	25.84	22.65	16.07	NORM	WET	WET	WET	NORM	2005
2006	1.03	1.76	2.43	1.87	2.22	2.74	2.02	11.84	12.23	12.83	14.53	13.76	NORM	NORM	NORM	NORM	NORM	2006
2007	2.21	1.97	6.69	3.75	1.72	2.88	2.40	26.22	26.60	19.35	15.83	14.68	WET	WET	NORM	NORM	NORM	2007
2008	0.42	0.75	2.01	4.62	3.41	1.32	4.73	7.95	18.63	21.48	15.40	20.24	NORM	NORM	NORM	NORM	WET	2008
2009	3.06	1.28	1.05	4.13	2.91	3.42	0.95	8.77	15.77	18.04	20.21	12.60	NORM	NORM	NORM	WET	NORM	2009
2010	1.07	1.37	3.86	2.61	2.01	1.88	5.47	15.39	16.92	15.11	12.27	22.18	NORM	NORM	NORM	NORM	WET	2010
2011	2.33	2.54	2.99	6.63	9.85	3.39	0.56	16.38	28.41	45.80	36.50	18.31	NORM	WET	WET	WET	WET	2011
2012	0.70	4.19	3.92	1.37	3.94	1.11	0.22	20.84	16.14	18.48	12.58	6.82	WET	NORM	NORM	NORM	DRY	2012
2013	1.55	3.60	5.76	4.70	1.50	0.40	4.34	26.03	29.22	19.66	8.90	15.32	WET	WET	NORM	DRY	NORM	2013
2014	0.44	3.00	2.71	6.32	1.48	9.61	0.74	14.57	27.38	19.79	38.11	22.92	NORM	WET	NORM	WET	WET	2014
2015	0.54	0.13	8.83	5.39	1.52	1.98	0.63	27.29	33.96	24.17	14.37	7.37	WET	WET	WET	NORM	NORM	2015
2016	1.17	3.76	2.99	4.76	4.06	6.82	2.15	17.66	24.02	24.69	33.34	24.15	WET	WET	WET	WET	WET	2016
2017	0.20	0.91	1.73	1.18	1.70	4.38	4.07	7.21	7.91	9.19	17.72	22.67	NORM	DRY	DRY	NORM	WET	2017
2018	1.57	1.11	1.24	3.93	9.94	1.85	2.83	7.51	15.38	38.92	29.36	22.13	NORM	NORM	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.81	1.44	1.76	March	1.44
April	0.79	1.91	2.35	April	1.91
May	1.59	2.84	3.46	May	2.84
June	1.75	3.16	3.86	June	3.16
July	1.65	2.88	3.50	July	2.88
August	1.37	2.22	2.69	August	2.22
Sept.	0.88	2.02	2.48	Sept.	2.02
Jun-MAM	7.16	13.78	16.84		
Jul-JMA	9.22	17.07	20.85		
Aug-JJM	10.04	17.80	21.68		
Sep-AJJ	9.16	15.58	18.93		
Oct-SAJ	7.03	13.38	16.32		

NOTE:
Oakes 2 S NWS Station (ND6620) was used for Mar 2012.

Rainfall Data
OAKES 2 S
Station #ND6620
Dickey County, ND

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1958	0.23	2.74	1.48	4.14	2.07	1.49	0.94	10.15	18.12	15.97	12.75	7.87	NORM	NORM	NORM	NORM	NORM	1958
1965	1.00	3.83	3.96	2.30	2.47	1.97	3.24	20.54	18.65	15.97	13.15	16.13	WET	NORM	NORM	NORM	NORM	1965
1978	0.60	0.79	3.27	6.28	0.76	1.91	4.59	11.99	26.17	18.11	13.53	18.35	NORM	WET	NORM	NORM	WET	1978
1979	0.79	3.48	1.40	3.19	2.55	0.86	0.22	11.95	15.85	15.43	10.87	4.93	NORM	NORM	NORM	NORM	DRY	1979
1980	0.38	0.60	1.26	2.18	1.23	3.11	0.70	5.36	9.66	9.31	13.97	9.55	DRY	NORM	NORM	NORM	NORM	1980
1981	0.25	1.03	1.35	4.04	2.82	0.90	1.36	6.36	15.85	17.89	12.38	8.70	NORM	NORM	NORM	NORM	NORM	1981
1982	0.32	0.24	3.93	1.00	1.19	0.28	1.29	12.59	11.10	9.50	4.22	5.62	NORM	NORM	NORM	DRY	DRY	1982
1983	1.50	0.00	1.60	2.93	5.22	2.62	2.01	6.30	11.99	23.12	21.23	16.49	NORM	NORM	WET	WET	NORM	1983
1984	0.35	3.40	1.52	8.03	0.90	0.55	1.25	11.71	30.53	20.28	11.48	5.75	NORM	WET	NORM	NORM	DRY	1984
1985	0.13	0.12	2.88	2.50	0.12	2.23	2.38	9.01	13.38	8.24	9.43	11.72	NORM	NORM	DRY	NORM	NORM	1985
1986	0.80	7.52	3.27	2.23	5.48	3.03	4.26	25.65	20.75	24.17	22.28	24.32	WET	WET	WET	WET	WET	1986
1987	3.09	0.00	2.40	1.45	3.87	0.38	1.31	10.29	9.15	16.91	10.33	8.56	NORM	NORM	NORM	NORM	NORM	1987
1988	0.40	0.07	2.04	1.40	0.75	1.54	4.00	6.66	8.35	7.09	7.52	15.83	NORM	DRY	DRY	DRY	NORM	1988
1989	2.15	2.46	1.00	1.85	4.05	5.75	1.47	10.07	10.01	16.85	27.20	19.96	NORM	NORM	NORM	WET	WET	1989
1990	1.56	3.17	0.15	4.12	1.33	3.02	1.66	8.35	15.83	12.38	15.84	12.35	NORM	NORM	NORM	NORM	NORM	1990
1991	1.08	2.98	5.68	7.64	2.06	1.00	1.45	24.08	37.26	27.14	14.76	8.41	WET	WET	WET	NORM	NORM	1991
1992	0.54	1.11	2.47	5.38	1.75	1.36	1.82	10.17	22.19	18.48	12.96	9.93	NORM	WET	NORM	NORM	NORM	1992
1993	0.52	1.45	2.28	5.27	5.33	1.90	0.96	10.26	21.82	28.81	21.63	12.01	NORM	WET	WET	WET	NORM	1993
1994	0.50	2.55	0.75	0.61	6.55	1.73	2.80	7.85	5.88	21.62	18.90	18.41	NORM	DRY	WET	WET	WET	1994
1995	1.67	0.90	2.95	0.93	4.85	1.38	2.07	12.32	9.59	19.36	14.77	13.82	NORM	NORM	NORM	NORM	NORM	1995
1996	2.10	0.20	4.14	2.14	2.38	1.56	6.68	14.92	14.90	15.56	11.58	25.54	WET	NORM	NORM	NORM	WET	1996
1997	1.10	2.17	1.35	1.42	3.67	3.18	1.46	9.49	9.13	15.20	18.30	14.41	NORM	NORM	NORM	WET	NORM	1997
1998	1.90	3.25	3.73	6.58	2.08	4.90	0.99	19.59	30.45	23.13	25.44	14.85	WET	WET	WET	WET	NORM	1998
1999	1.05	1.06	3.71	4.38	4.17	3.90	7.60	14.30	21.62	24.98	24.42	34.77	NORM	WET	WET	WET	WET	1999
2000	0.75	1.99	1.91	2.57	5.93	1.32	1.78	10.46	13.52	24.84	18.39	13.91	NORM	NORM	WET	WET	NORM	2000
2001	0.13	3.30	1.76	3.16	2.52	2.97	2.45	12.01	16.30	15.64	17.11	15.81	NORM	NORM	NORM	NORM	NORM	2001
2002	0.70	1.56	2.03	4.81	2.91	2.50	0.58	9.91	20.05	20.38	18.13	9.65	NORM	WET	NORM	NORM	NORM	2002
2003	0.39	1.73	5.12	5.48	2.48	0.68	0.77	19.21	28.41	23.52	12.48	6.15	WET	WET	WET	NORM	DRY	2003
2004	1.71	0.79	6.53	0.67	2.91	0.79	4.96	22.88	15.86	16.60	8.86	19.37	WET	NORM	NORM	NORM	WET	2004
2005	0.10	0.70	3.74	13.51	2.11	3.04	2.60	12.72	48.71	37.09	26.85	15.99	NORM	WET	WET	WET	NORM	2005
2006	1.03	1.74	2.60	1.14	1.99	3.81	2.31	12.31	10.36	10.85	16.55	16.54	NORM	NORM	NORM	NORM	NORM	2006
2007	1.52	2.26	7.07	5.17	3.51	2.65	1.73	27.25	31.91	27.94	20.14	14.00	WET	WET	WET	WET	NORM	2007
2008	0.42	0.75	1.70	2.37	2.92	2.27	3.44	7.02	11.26	15.20	15.02	17.78	NORM	NORM	NORM	NORM	WET	2008
2009	3.06	1.29	1.11	4.84	1.36	1.78	2.26	8.97	18.03	14.87	12.90	11.70	NORM	NORM	NORM	NORM	NORM	2009
2010	1.00	1.80	5.65	2.73	2.98	2.34	7.27	21.55	21.29	20.05	15.71	29.47	WET	WET	NORM	NORM	WET	2010
2011	0.55	2.69	1.92	6.20	4.05	1.74	0.43	11.69	25.13	26.47	19.52	8.82	NORM	WET	WET	WET	NORM	2011
2012	0.70	2.63	2.68	2.51	3.32	1.01	0.82	14.00	15.52	17.66	12.18	7.80	NORM	NORM	NORM	NORM	NORM	2012
2013	0.20	2.32	4.12	6.60	1.09	0.30	4.15	17.20	30.36	20.59	9.68	14.14	WET	WET	NORM	NORM	NORM	2013
2014	0.10	2.65	2.17	8.20	1.01	7.80	0.36	11.91	31.59	21.60	33.62	17.69	NORM	WET	WET	WET	WET	2014
2015	0.90	0.41	6.86	3.89	1.50	1.64	0.54	22.30	25.80	19.14	11.81	6.40	WET	WET	NORM	NORM	DRY	2015
2016	0.99	3.70	2.81	3.63	4.02	7.45	1.81	16.82	20.21	22.13	34.02	24.35	WET	WET	WET	WET	WET	2016
2017	0.35	1.51	2.79	3.35	1.42	3.12	2.90	11.74	17.14	13.75	15.55	16.36	NORM	NORM	NORM	NORM	NORM	2017
2018	2.24	0.48	1.35	3.96	10.79	0.80	2.56	7.25	15.06	41.64	27.94	20.07	NORM	NORM	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.54	1.04	1.27	March	1.04
April	0.64	1.71	2.11	April	1.71
May	1.36	2.45	2.99	May	2.45
June	1.79	3.25	3.97	June	3.25
July	1.28	2.76	3.37	July	2.76
August	1.15	2.04	2.49	August	2.04
Sept.	1.09	2.26	2.76	Sept.	2.26

Jun-MAM	5.90	11.81	14.46
Jul-JMA	8.73	16.36	20.00
Aug-JJM	8.78	17.23	21.04
Sep-AJJ	7.80	14.89	18.18
Oct-SAJ	6.85	13.62	16.63

NOTE:

Fullerton 1 ESE NWS Station (SD3287) was used for Mar 1978; Mar, Jul 1980; Mar 1994; Mar 2002; Mar, Apr, Aug 2003; Mar-May 2004; Mar 2005; Mar 2006; Mar, Apr 2008; Mar 2009.

Rainfall Data
Aberdeen WSO AP
Station #SD0020
Brown County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1957	0.32	3.91	4.95	4.05	2.50	1.29	1.60	22.99	25.96	20.55	12.92	9.88	WET	WET	NORM	NORM	NORM	1957
1958	0.52	2.04	1.46	2.54	1.61	0.93	0.08	8.98	12.58	11.37	8.55	3.71	NORM	NORM	NORM	DRY	DRY	1958
1965	0.71	2.93	3.01	2.11	2.22	1.26	3.25	15.60	15.28	13.89	10.33	14.49	NORM	NORM	NORM	NORM	NORM	1965
1970	1.33	3.42	1.49	2.11	2.04	0.33	1.67	12.64	12.73	11.83	7.18	7.71	NORM	NORM	NORM	DRY	NORM	1970
1971	0.04	1.86	1.70	4.29	3.75	1.39	2.30	8.86	18.13	21.53	15.96	13.43	NORM	NORM	NORM	NORM	NORM	1971
1974	0.74	2.10	3.77	0.37	1.72	0.94	0.15	16.25	10.75	9.67	6.63	4.05	WET	NORM	DRY	DRY	DRY	1974
1978	0.46	2.25	4.23	7.30	2.17	4.04	0.60	17.65	32.61	25.34	23.76	12.05	WET	WET	WET	WET	NORM	1978
1979	1.60	2.93	1.93	4.99	2.56	1.24	0.05	13.25	21.76	19.59	13.83	5.19	NORM	WET	NORM	NORM	DRY	1979
1980	0.88	1.15	1.64	2.53	0.80	5.93	0.92	8.10	12.02	9.10	21.92	15.42	NORM	NORM	DRY	WET	NORM	1980
1981	2.00	0.12	1.60	2.10	3.97	2.91	1.38	7.04	9.62	17.71	18.77	13.93	NORM	DRY	NORM	NORM	NORM	1981
1982	3.32	0.54	2.80	2.14	1.66	0.44	0.95	12.80	12.56	12.06	6.78	5.39	NORM	NORM	NORM	DRY	DRY	1982
1983	2.65	0.69	1.66	3.47	6.46	2.21	1.55	9.01	14.42	27.98	23.02	15.53	NORM	NORM	WET	WET	NORM	1983
1984	1.94	2.39	1.13	5.65	2.64	2.23	0.84	10.11	21.60	20.35	17.62	9.62	NORM	WET	NORM	NORM	NORM	1984
1985	1.82	0.63	3.41	1.76	2.38	2.71	2.71	13.31	12.73	14.07	14.65	15.93	NORM	NORM	NORM	NORM	NORM	1985
1986	0.58	7.88	3.32	2.48	3.78	2.85	2.82	26.30	21.96	19.62	18.59	17.94	WET	WET	NORM	NORM	WET	1986
1987	1.91	0.41	2.01	0.77	2.13	1.87	1.33	8.76	6.74	9.94	10.64	9.86	NORM	DRY	DRY	NORM	NORM	1987
1988	0.37	0.13	3.43	0.93	3.14	2.80	5.31	10.92	9.78	14.71	15.61	24.67	NORM	DRY	NORM	NORM	WET	1988
1989	1.46	3.42	1.20	2.05	2.00	3.83	2.23	11.90	11.97	11.30	17.54	16.35	NORM	NORM	NORM	NORM	WET	1989
1990	0.81	1.87	1.41	7.72	1.98	4.85	3.01	8.78	27.85	22.79	26.23	20.71	NORM	WET	WET	WET	WET	1990
1991	0.77	3.70	7.36	4.76	1.32	2.28	0.57	30.25	32.70	20.84	14.24	7.59	WET	WET	NORM	NORM	NORM	1991
1992	0.54	0.40	0.78	5.61	2.97	1.55	1.63	3.68	18.79	20.91	16.20	10.96	DRY	NORM	NORM	NORM	NORM	1992
1993	0.42	1.51	3.11	6.20	7.37	4.42	1.21	12.77	26.33	37.62	34.20	19.84	NORM	WET	WET	WET	WET	1993
1994	0.43	2.28	0.30	1.10	5.37	3.87	1.63	5.89	6.18	18.61	23.45	18.00	DRY	DRY	NORM	WET	WET	1994
1995	2.34	2.26	5.98	1.34	3.57	2.36	1.50	24.80	18.24	19.37	15.56	12.79	WET	NORM	NORM	NORM	NORM	1995
1996	0.87	0.15	4.46	4.12	1.91	0.24	5.32	14.55	21.43	18.43	8.66	18.35	NORM	NORM	NORM	DRY	WET	1996
1997	0.79	2.01	1.72	2.65	1.41	3.75	0.82	9.97	13.40	11.25	16.72	11.37	NORM	NORM	NORM	NORM	NORM	1997
1998	1.54	1.81	4.29	6.47	1.12	2.95	0.06	18.03	29.80	20.59	17.56	7.20	WET	WET	NORM	NORM	NORM	1998
1999	0.92	1.76	2.97	5.23	2.80	3.19	4.27	13.35	23.39	21.83	20.40	21.99	NORM	WET	NORM	WET	WET	1999
2000	1.21	2.47	2.93	4.94	4.51	1.69	0.51	14.94	23.15	26.34	19.03	9.42	NORM	WET	WET	NORM	NORM	2000
2001	0.30	3.43	2.67	3.31	4.81	0.79	2.61	15.17	18.70	23.72	15.30	14.22	NORM	NORM	WET	NORM	NORM	2001
2002	0.56	1.15	1.82	1.22	3.96	3.82	0.93	8.32	8.45	16.14	20.60	14.39	NORM	DRY	NORM	WET	NORM	2002
2003	0.57	2.01	4.33	6.94	1.98	1.59	1.26	17.58	31.49	24.15	15.67	8.94	WET	WET	WET	NORM	NORM	2003
2004	1.27	0.62	5.10	3.68	3.02	0.96	3.53	17.81	21.86	21.52	12.60	15.53	WET	WET	NORM	NORM	NORM	2004
2005	0.16	0.35	2.64	6.21	0.8	2.9	1.19	8.78	24.26	17.46	16.51	10.17	NORM	WET	NORM	NORM	NORM	2005
2006	0.65	2.41	2.16	3.21	0.71	2.47	2.67	11.95	16.36	10.71	12.04	13.66	NORM	NORM	NORM	NORM	NORM	2006
2007	1.88	3.42	12.23	2.43	0.79	2.19	1.64	45.41	35.17	19.46	10.58	10.09	WET	WET	NORM	NORM	NORM	2007
2008	1.76	0.81	1.32	3.21	6.26	1.24	3.61	7.34	13.08	26.52	19.45	19.57	NORM	NORM	WET	NORM	WET	2008
2009	1.41	1.76	0.47	3.87	2.47	2.82	4.41	6.34	14.31	15.62	17.27	21.34	DRY	NORM	NORM	NORM	WET	2009
2010	1.24	3.15	4.46	5.40	3.24	1.01	4.08	20.92	28.27	24.98	14.91	17.50	WET	WET	WET	NORM	WET	2010
2011	1.19	2.98	2.93	4.69	6.63	0.87	0.64	15.94	22.91	32.20	20.56	10.29	WET	WET	WET	WET	NORM	2011
2012	0.38	3.65	1.11	1.27	2.70	1.76	0.01	11.01	9.68	11.75	11.95	6.25	NORM	DRY	NORM	NORM	DRY	2012
2013	0.24	2.12	4.32	2.20	2.70	0.34	2.44	17.44	17.36	16.82	8.62	10.70	WET	NORM	NORM	DRY	NORM	2013
2014	0.77	2.04	2.18	3.31	0.70	6.19	1.00	11.39	16.33	10.90	23.28	16.08	NORM	NORM	NORM	WET	WET	2014
2015	0.23	0.55	6.39	2.10	4.06	2.94	0.37	20.50	19.63	22.77	19.04	11.05	WET	NORM	WET	NORM	NORM	2015
2016	0.46	3.66	2.13	1.41	3.69	2.02	1.23	14.17	12.15	16.02	14.85	11.42	NORM	NORM	NORM	NORM	NORM	2016
2017	0.67	1.38	0.65	3.94	2.05	2.69	1.89	5.38	14.50	14.68	16.11	13.10	DRY	NORM	NORM	NORM	NORM	2017
2018	1.59	0.98	0.52	2.72	3.64	0.84	2.38	5.11	10.18	16.88	12.52	12.46	DRY	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound
March	0.69	1.34	1.63
April	0.82	1.83	2.23
May	1.57	2.69	3.27
June	1.97	3.49	4.26
July	1.67	2.92	3.55
August	1.40	2.42	2.95
Sept.	0.71	1.81	2.19
Jun-MAM	7.04	13.07	15.90
Jul-JMA	9.87	17.68	21.55
Aug-JJM	10.52	18.43	22.44
Sep-AJJ	9.51	16.59	20.21
Oct-SAJ	6.60	13.19	16.02

Normals are for 1971-2000 data

March	1.34
April	1.83
May	2.69
June	3.49
July	2.92
August	2.42
Sept.	1.81

NOTE:

Aberdeen WSO AP NWS Station (SD0022) has been replaced with
Aberdeen RGNL AP NWS Station (SD929) as of 2012.

Rainfall Data
Academy 2 NE
Station #SD0043
Charles Mix County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1938	2.85	6.96	4.99	2.05	2.12	1.09	1.58	31.74	23.09	15.45	9.56	9.04	WET	NORM	NORM	DRY	NORM	1938
1955	0.11	1.78	1.71	3.21	1.34	1.19	1.13	8.80	14.83	12.15	9.46	7.11	DRY	NORM	DRY	DRY	DRY	1955
1963	0.72	2.44	1.02	1.79	6.88	0.52	4.16	8.66	9.85	25.24	17.11	20.40	DRY	DRY	WET	NORM	WET	1963
1968	0.62	6.51	2.92	4.33	0.55	0.91	1.79	22.40	25.34	13.23	8.16	7.74	WET	WET	NORM	DRY	NORM	1968
1969	0.08	0.79	4.33	1.39	3.16	2.60	3.26	14.65	13.62	16.59	15.51	18.14	NORM	NORM	NORM	NORM	WET	1969
1977	4.20	3.59	4.59	1.91	4.52	4.06	4.34	25.15	18.50	21.97	23.13	25.66	WET	NORM	NORM	WET	WET	1977
1978	0.22	4.28	5.04	2.13	3.12	0.64	0.67	23.90	20.75	18.66	10.29	6.41	WET	NORM	NORM	NORM	DRY	1978
1980	0.58	0.95	2.46	2.95	0.82	3.99	1.12	9.86	14.72	10.82	16.56	12.16	DRY	NORM	DRY	NORM	NORM	1980
1981	2.25	1.13	2.92	3.45	6.19	1.66	0.42	13.27	17.32	28.39	20.81	10.77	NORM	NORM	WET	WET	NORM	1981
1982	1.35	1.30	9.55	3.85	4.90	2.15	3.42	32.60	31.95	31.95	20.10	19.46	WET	WET	WET	WET	WET	1982
1983	2.73	1.83	3.04	6.00	3.01	0.49	0.72	15.51	25.91	24.07	13.49	6.15	NORM	WET	WET	NORM	DRY	1983
1984	1.72	5.88	3.30	4.50	2.86	3.92	0.68	23.38	25.98	20.88	21.98	12.74	WET	WET	NORM	WET	NORM	1984
1985	1.47	2.76	2.28	2.65	2.81	5.38	4.91	13.83	15.27	16.01	24.41	28.30	NORM	NORM	NORM	WET	WET	1985
1986	1.71	4.10	2.82	4.05	2.06	2.18	3.85	18.37	21.89	17.10	14.71	17.97	NORM	NORM	NORM	NORM	WET	1986
1987	5.01	1.22	1.17	3.61	4.21	2.50	1.68	10.96	14.39	21.02	19.53	14.25	DRY	NORM	NORM	WET	NORM	1987
1988	0.89	2.59	7.16	0.72	1.70	1.79	5.09	27.55	19.07	13.70	9.49	20.55	WET	NORM	NORM	DRY	WET	1988
1989	0.84	1.33	0.98	1.82	2.48	1.23	1.47	6.44	8.75	12.06	10.47	9.35	DRY	DRY	DRY	NORM	NORM	1989
1990	1.37	2.79	5.40	2.64	3.55	3.50	0.38	23.15	21.51	21.33	20.24	11.69	WET	NORM	NORM	WET	NORM	1990
1991	1.14	3.00	4.12	3.11	0.88	2.02	0.82	19.50	20.57	12.98	10.93	7.38	NORM	NORM	NORM	NORM	DRY	1991
1992	1.18	1.06	0.61	1.91	6.41	3.10	2.11	5.13	8.01	23.66	24.03	18.94	DRY	DRY	WET	WET	WET	1992
1993	1.13	2.90	3.39	6.18	4.32	1.08	2.01	17.10	28.22	28.71	18.06	12.51	NORM	WET	WET	NORM	NORM	1993
1994	0.11	3.17	1.49	4.59	4.46	2.12	2.18	10.92	19.92	24.05	19.87	15.24	DRY	NORM	WET	WET	NORM	1994
1995	3.64	5.14	6.30	1.52	1.36	3.98	4.27	32.82	22.30	13.42	16.18	22.13	WET	NORM	NORM	NORM	WET	1995
1996	0.99	1.64	7.06	2.59	1.58	0.59	7.45	25.45	23.53	16.98	7.52	25.11	WET	NORM	NORM	DRY	WET	1996
1997	0.24	3.32	2.95	2.67	3.11	1.93	2.32	15.73	17.23	17.62	14.68	13.93	NORM	NORM	NORM	NORM	NORM	1997
1998	1.49	2.71	2.80	5.79	3.27	4.42	3.83	15.31	25.68	24.19	25.59	23.60	NORM	WET	WET	WET	WET	1998
1999	0.63	4.93	5.83	6.95	3.31	3.28	2.12	27.98	37.44	29.66	23.41	16.23	WET	WET	WET	WET	NORM	1999
2000	0.36	1.36	3.43	2.39	0.98	0.84	0.27	13.37	15.39	11.15	6.87	3.47	NORM	NORM	DRY	DRY	DRY	2000
2001	0.27	6.34	3.07	1.28	4.36	0.04	4.31	22.16	16.32	18.71	10.12	17.37	WET	NORM	NORM	NORM	WET	2001
2002	1.29	1.65	2.54	1.36	1.08	3.14	1.37	12.21	10.81	8.50	12.94	11.47	NORM	DRY	DRY	NORM	NORM	2002
2003	0.50	2.81	3.32	3.45	1.94	3.48	0.58	16.08	19.80	16.04	17.77	10.64	NORM	NORM	NORM	NORM	NORM	2003
2004	2.80	0.87	4.50	5.69	2.18	1.07	4.19	18.04	26.94	22.42	13.26	16.89	NORM	WET	NORM	NORM	NORM	2004
2005	1.02	2.51	4.16	8.79	0.99	1.54	2.39	18.52	37.20	24.71	15.39	11.24	NORM	WET	WET	NORM	NORM	2005
2006	1.88	2.57	1.27	2.76	1.89	3.43	4.05	10.83	13.39	12.46	16.83	20.90	DRY	NORM	DRY	NORM	WET	2006
2007	2.55	3.88	6.07	4.41	0.64	4.31	1.54	28.52	29.25	16.81	18.62	13.88	WET	WET	NORM	NORM	NORM	2007
2008	0.70	2.43	2.69	6.75	2.35	3.25	1.32	13.63	28.06	23.24	21.20	12.81	NORM	WET	NORM	WET	NORM	2008
2009	1.52	1.23	0.87	2.69	0.00	5.01	0.89	6.59	11.04	6.25	17.72	12.69	DRY	DRY	DRY	NORM	NORM	2009
2010	1.05	2.81	3.57	5.79	5.15	1.56	2.57	17.38	27.32	30.60	20.77	15.98	NORM	WET	WET	WET	NORM	2010
2011	0.33	2.40	4.16	9.95	2.89	2.58	0.49	17.61	40.57	32.73	23.47	9.52	NORM	WET	WET	WET	NORM	2011
2012	1.13	4.03	3.37	1.64	0.67	1.25	0.11	19.30	15.69	8.66	6.73	3.50	NORM	NORM	DRY	DRY	DRY	2012
2013	0.61	2.13	5.42	4.08	4.85	3.00	1.38	21.13	25.21	28.13	22.78	14.99	NORM	WET	WET	WET	NORM	2013
2014	0.37	1.68	2.07	2.75	0.08	7.10	0.94	9.94	14.07	7.81	24.21	17.10	DRY	NORM	DRY	WET	WET	2014
2015	0.12	0.72	4.91	2.21	6.02	4.97	2.98	16.29	17.17	27.39	29.16	24.90	NORM	NORM	WET	WET	WET	2015
2016	1.15	5.83	3.12	1.08	1.10	4.73	4.83	22.17	15.31	8.58	17.47	25.05	WET	NORM	DRY	NORM	WET	2016
2017	0.18	3.15	1.70	1.16	0.22	4.38	5.11	11.58	10.03	4.68	14.74	24.31	NORM	DRY	DRY	NORM	WET	2017
2018	1.56	1.71	1.72	3.59	5.72	2.08	2.41	10.14	15.92	26.06	21.27	17.11	DRY	NORM	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.68	1.52	1.85	March	1.52
April	1.79	2.68	3.21	April	2.68
May	2.29	3.78	4.58	May	3.78
June	2.24	3.34	3.99	June	3.34
July	1.92	2.97	3.57	July	2.97
August	1.26	2.17	2.64	August	2.17
Sept.	1.00	2.24	2.74	Sept.	2.24

NOTE:
Platte NWS Station (SD6669) was used for May 1963.

Jun-MAM	11.13	18.22	22.01
Jul-JMA	13.09	20.26	24.34
Aug-JJM	12.53	19.37	23.27
Sep-AJJ	9.86	15.79	19.05
Oct-SAJ	7.44	14.03	17.07

Rainfall Data
Alexandria
Station #SD0128
Hanson County, SD

Portion of the table to be used with the PrecipCategories tool.

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	Year
1940	1.68	2.82	0.03	5.56	1.40	3.09	1.02	7.41	19.56	15.35	17.63	10.64	DRY	NORM	NORM	NORM	NORM	1940
1950	1.58	1.39	3.96	1.63	3.41	3.98	4.18	16.24	14.20	17.45	20.39	23.91	NORM	NORM	NORM	NORM	WET	1950
1951	1.66	1.62	3.79	6.59	4.19	2.30	2.09	16.27	28.97	29.54	21.87	15.06	NORM	WET	WET	WET	NORM	1951
1953	1.25	3.18	2.65	5.21	1.41	3.90	0.35	15.56	24.11	17.30	19.73	10.26	NORM	WET	NORM	NORM	NORM	1953
1954	1.25	3.18	2.65	5.21	1.41	3.90	0.35	15.56	24.11	17.30	19.73	10.26	NORM	WET	NORM	NORM	NORM	1954
1956	1.12	2.10	1.42	1.77	3.84	3.38	0.43	9.58	10.25	16.48	19.59	11.89	NORM	DRY	NORM	NORM	NORM	1956
1957	0.98	2.24	5.49	3.43	2.51	3.24	1.92	21.93	23.51	19.88	18.17	14.75	WET	WET	NORM	NORM	NORM	1957
1964	2.21	3.32	1.46	2.82	2.66	2.71	2.11	13.23	14.70	15.08	16.27	14.41	NORM	NORM	NORM	NORM	NORM	1964
1970	1.64	4.12	1.56	4.15	1.29	1.58	1.88	14.56	19.69	13.73	11.47	10.09	NORM	NORM	NORM	NORM	NORM	1970
1973	2.72	1.68	2.18	1.56	1.62	1.41	4.26	12.62	10.72	10.16	9.03	17.22	NORM	DRY	DRY	DRY	NORM	1973
1974	1.02	0.94	3.29	3.12	1.27	1.08	0.28	12.77	16.88	13.34	8.90	4.27	NORM	NORM	NORM	DRY	DRY	1974
1976	0.67	2.62	1.81	2.88	0.86	0.37	1.95	11.34	14.88	10.15	5.71	7.45	NORM	NORM	DRY	DRY	DRY	1976
1978	0.34	4.43	3.61	3.00	5.33	7.36	1.82	20.03	20.65	25.60	35.74	25.51	WET	NORM	WET	WET	WET	1978
1980	0.76	0.49	0.77	2.56	1.07	3.04	0.27	4.05	9.71	9.10	13.82	7.96	DRY	DRY	DRY	NORM	DRY	1980
1981	2.14	1.07	1.37	3.03	3.55	5.91	1.37	8.39	12.90	18.08	27.86	19.48	DRY	NORM	NORM	WET	WET	1981
1982	1.03	1.09	5.96	1.47	3.12	2.25	1.03	21.09	17.42	18.26	14.46	10.71	WET	NORM	NORM	NORM	NORM	1982
1983	2.29	1.91	1.38	7.43	2.28	0.48	0.93	10.25	26.96	23.08	13.43	6.03	NORM	WET	WET	NORM	DRY	1983
1984	1.17	5.28	2.88	9.18	2.09	1.43	0.47	20.37	38.58	27.51	17.65	6.36	WET	WET	WET	NORM	DRY	1984
1985	1.67	4.76	2.41	1.23	1.99	3.79	3.59	18.42	13.27	10.84	16.58	20.34	NORM	NORM	DRY	NORM	WET	1985
1986	1.51	6.34	4.26	3.75	2.06	3.10	7.27	26.97	26.11	17.94	17.17	30.07	WET	WET	NORM	NORM	WET	1986
1987	5.38	0.31	1.56	1.45	5.15	2.02	1.77	10.68	7.78	19.91	17.81	14.50	NORM	DRY	NORM	NORM	NORM	1987
1988	0.47	3.07	3.03	0.48	1.16	4.19	3.34	15.70	10.57	7.47	15.37	19.56	NORM	DRY	DRY	NORM	WET	1988
1989	0.98	0.81	1.58	3.28	3.64	1.54	2.07	7.34	13.81	19.06	15.18	12.93	DRY	NORM	NORM	NORM	NORM	1989
1990	0.64	1.34	5.07	5.08	2.12	2.50	0.28	18.53	26.72	21.59	16.82	7.96	NORM	WET	NORM	NORM	DRY	1990
1991	0.93	2.66	8.29	2.32	1.49	1.32	1.81	31.12	26.20	17.40	9.26	9.56	WET	WET	NORM	DRY	NORM	1991
1992	1.52	1.93	1.23	2.14	7.31	5.44	2.82	9.07	10.81	27.44	33.08	26.65	DRY	DRY	WET	WET	WET	1992
1993	1.37	2.02	5.40	8.86	8.16	3.94	2.06	21.61	39.40	47.60	37.00	22.22	WET	WET	WET	WET	WET	1993
1994	0.21	2.71	1.21	3.07	3.03	0.91	2.00	9.26	14.34	16.44	11.86	10.85	DRY	NORM	NORM	NORM	NORM	1994
1995	3.40	6.42	4.93	3.21	1.59	2.09	3.05	31.03	25.91	16.12	12.66	14.92	WET	WET	NORM	NORM	NORM	1995
1996	0.74	0.73	5.18	4.29	1.31	1.23	4.20	17.74	23.96	17.69	10.60	16.37	NORM	WET	NORM	NORM	NORM	1996
1997	0.61	2.18	4.54	1.93	3.16	1.50	1.73	18.59	17.05	17.88	12.75	11.35	NORM	NORM	NORM	NORM	NORM	1997
1998	2.31	4.23	1.02	3.47	2.27	2.77	1.01	13.83	16.68	14.77	16.32	10.84	NORM	NORM	NORM	NORM	NORM	1998
1999	0.77	5.29	2.78	3.29	6.14	2.80	4.88	19.69	20.72	27.78	23.97	26.38	NORM	NORM	WET	WET	WET	1999
2000	0.92	2.42	3.39	2.55	1.65	6.20	0.62	15.93	16.85	13.44	24.45	15.91	NORM	NORM	NORM	WET	NORM	2000
2001	0.43	6.07	2.07	3.79	5.63	0.05	3.52	18.78	21.58	26.54	15.20	16.29	NORM	NORM	WET	NORM	NORM	2001
2002	1.05	1.81	1.61	2.10	1.54	7.21	1.29	9.50	11.33	10.43	26.81	19.83	NORM	DRY	DRY	WET	WET	2002
2003	0.41	3.46	2.31	4.23	2.43	1.76	2.83	14.26	20.77	18.06	14.37	14.44	NORM	NORM	NORM	NORM	NORM	2003
2004	1.24	1.04	6.09	4.27	0.80	4.30	4.69	21.59	26.03	17.03	18.77	23.47	WET	WET	NORM	NORM	WET	2004
2005	0.44	2.54	2.83	7.65	0.34	1.12	3.09	14.01	31.15	19.15	11.69	11.85	NORM	WET	NORM	NORM	NORM	2005
2006	1.29	3.84	1.13	2.40	0.77	6.21	6.76	12.36	13.30	8.24	22.57	33.47	NORM	NORM	DRY	WET	WET	2006
2007	2.84	3.25	7.77	3.23	0.11	4.20	1.80	32.65	28.48	14.56	16.05	13.91	WET	WET	NORM	NORM	NORM	2007
2008	1.28	3.13	2.50	6.21	1.84	0.93	1.45	15.04	26.76	20.44	12.68	8.05	NORM	WET	NORM	NORM	NORM	2008
2009	1.57	2.75	1.00	5.94	7.94	3.36	1.36	10.07	22.57	36.70	31.90	18.74	NORM	NORM	WET	WET	WET	2009
2010	2.69	2.00	1.95	9.91	8.69	3.25	3.58	12.54	35.63	47.84	37.04	25.93	NORM	WET	WET	WET	WET	2010
2011	0.50	5.48	4.37	3.35	2.28	1.86	0.28	24.57	24.27	17.91	13.49	6.84	WET	WET	NORM	NORM	DRY	2011
2012	0.30	4.43	5.58	1.61	0.25	2.06	1.39	25.90	20.42	9.55	8.29	8.54	WET	NORM	DRY	DRY	NORM	2012
2013	1.02	1.85	5.62	2.62	2.69	2.41	2.21	21.58	20.95	18.93	15.23	14.14	WET	NORM	NORM	NORM	NORM	2013
2014	0.98	0.90	2.78	6.42	1.20	3.17	2.97	11.12	25.72	19.22	18.33	16.45	NORM	WET	NORM	NORM	NORM	2014
2015	0.10	1.06	3.76	4.01	5.04	3.89	1.88	13.50	20.61	26.90	25.76	18.46	NORM	NORM	WET	WET	WET	2015
2016	1.55	3.36	5.92	0.86	2.45	1.12	3.61	26.03	17.78	14.99	9.12	15.52	WET	NORM	NORM	DRY	NORM	2016
2017	0.23	1.77	4.49	0.75	1.84	3.04	3.30	17.24	13.00	11.51	13.55	17.82	NORM	NORM	NORM	NORM	NORM	2017
2018	1.22	2.22	1.97	6.30	3.79	2.58	4.12	11.57	25.06	25.94	21.62	21.31	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound
March	0.79	1.49	1.82
April	1.45	2.58	3.15
May	1.87	3.25	3.95
June	2.15	3.39	4.08
July	1.70	2.88	3.49
August	1.47	2.62	3.19
Sept.	1.12	2.27	2.77
Jun-MAM	9.30	16.40	19.97
Jul-JMA	11.64	19.25	23.29
Aug-JJM	11.27	18.67	22.58
Sep-AJJ	9.96	17.01	20.63
Oct-SAJ	8.00	14.93	18.18

Normals are for 1971-2000 data

NOTE:
Mitchell NWS Station (SD5671) was used for Aug 2000.

Mitchell MUNI AP (SD950) was used for Jun-Sep 2012.

Rainfall Data
Ardmore 2 N
Station #SD0236
Fall River County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1980	1.34	0.79	2.10	1.11	1.29	2.74	0.13	9.22	8.32	8.19	11.91	7.16	NORM	DRY	DRY	NORM	NORM	1980
1981	0.35	0.75	2.81	1.53	1.99	2.23	0.39	10.28	10.96	11.84	12.20	7.62	NORM	NORM	NORM	NORM	NORM	1981
1982	0.87	0.67	5.30	5.40	0.98	2.93	2.86	18.11	27.47	19.04	16.15	15.42	WET	WET	WET	WET	WET	1982
1983	1.69	0.91	3.11	2.85	1.10	1.83	0.29	12.84	15.68	12.11	10.54	5.63	NORM	NORM	NORM	NORM	NORM	1983
1984	0.88	2.24	1.95	4.14	2.40	0.72	0.27	11.21	18.56	17.43	11.10	4.65	NORM	NORM	NORM	NORM	DRY	1984
1985	0.49	1.65	1.90	2.30	1.70	0.64	2.35	9.49	12.35	11.60	7.62	10.03	NORM	NORM	NORM	NORM	NORM	1985
1986	0.58	3.82	0.98	4.74	2.62	1.46	2.22	11.16	20.00	18.32	14.36	12.20	NORM	WET	NORM	NORM	WET	1986
1987	2.27	0.59	3.68	1.07	0.66	1.23	0.17	14.49	11.16	7.80	6.08	3.63	NORM	NORM	DRY	DRY	DRY	1987
1988	1.79	0.58	2.31	1.09	0.97	2.09	1.35	9.88	8.47	7.40	9.30	9.20	NORM	DRY	DRY	NORM	NORM	1988
1989	0.84	1.47	1.36	2.58	1.62	1.88	4.07	7.86	11.93	11.38	11.46	17.59	DRY	NORM	NORM	NORM	WET	1989
1990	1.13	2.19	3.58	2.02	3.82	1.23	1.23	16.25	15.41	19.08	13.35	9.97	NORM	NORM	WET	NORM	NORM	1990
1991	0.91	1.67	6.29	3.60	1.66	0.83	1.26	23.12	25.05	18.47	9.41	7.10	WET	WET	NORM	NORM	NORM	1991
1992	1.35	0.64	3.34	2.64	3.18	1.73	0.07	12.65	15.24	18.16	14.19	6.85	NORM	NORM	NORM	NORM	NORM	1992
1993	1.42	1.77	1.55	5.40	3.43	1.63	1.53	9.61	21.07	22.64	17.15	11.28	NORM	WET	WET	WET	NORM	1993
1994	0.44	1.16	2.18	4.07	2.42	0.89	0.48	9.30	17.73	17.58	11.58	5.64	NORM	NORM	NORM	NORM	NORM	1994
1995	0.63	1.53	4.93	3.30	1.70	0.09	2.50	18.48	21.29	16.63	6.97	9.38	WET	WET	NORM	DRY	NORM	1995
1996	1.15	2.05	4.26	1.58	1.13	2.33	1.74	18.03	15.31	10.81	10.83	11.01	WET	NORM	NORM	NORM	NORM	1996
1997	0.14	2.79	3.82	3.97	8.20	1.58	0.64	17.18	22.34	36.36	25.11	13.28	WET	WET	WET	WET	WET	1997
1998	1.79	0.50	2.13	4.46	2.10	4.23	1.55	9.18	18.14	17.35	21.35	15.21	NORM	NORM	NORM	WET	WET	1998
1999	0.86	4.77	2.28	6.05	1.17	2.00	2.53	17.24	27.48	17.89	14.39	12.76	WET	WET	NORM	NORM	WET	1999
2000	2.27	6.32	1.55	0.47	1.81	1.00	1.41	19.56	10.83	7.92	7.09	8.04	WET	NORM	DRY	DRY	NORM	2000
2001	1.16	1.78	2.60	3.28	5.58	0.59	0.42	12.52	16.82	25.90	16.21	8.02	NORM	NORM	WET	WET	NORM	2001
2002	2.51	1.06	2.13	0.80	1.06	3.43	1.73	11.02	7.72	6.91	13.21	13.11	NORM	DRY	DRY	NORM	WET	2002
2003	2.09	2.35	1.71	7.30	0.11	1.53	1.46	11.92	27.67	16.64	12.11	7.55	NORM	WET	NORM	NORM	NORM	2003
2004	1.04	0.81	1.41	0.82	2.85	0.66	3.31	6.89	6.09	11.60	8.50	14.10	DRY	DRY	NORM	NORM	WET	2004
2005	1.35	2.22	2.59	6.27	0.96	1.73	0.66	13.56	26.21	18.01	13.38	6.40	NORM	WET	NORM	NORM	NORM	2005
2006	2.69	1.62	1.29	1.71	1.29	2.24	1.09	9.80	9.33	8.58	11.01	9.04	NORM	DRY	DRY	NORM	NORM	2006
2007	2.55	1.73	1.35	1.84	1.14	2.21	1.34	10.06	9.95	8.45	10.75	9.58	NORM	DRY	DRY	NORM	NORM	2007
2008	0.57	0.85	4.55	1.92	2.33	1.42	1.11	15.92	15.71	15.38	10.84	8.50	NORM	NORM	NORM	NORM	NORM	2008
2009	3.17	3.80	0.71	2.79	1.95	1.96	0.99	12.90	13.59	12.14	12.57	8.84	NORM	NORM	NORM	NORM	NORM	2009
2010	0.65	3.44	2.96	3.72	2.56	0.76	0.94	16.41	20.52	18.08	11.12	6.90	WET	WET	NORM	NORM	NORM	2010
2011	0.70	1.12	4.17	1.54	2.05	1.75	0.98	15.45	14.08	13.40	10.89	8.49	NORM	NORM	NORM	NORM	NORM	2011
2012	0.05	1.88	1.67	3.54	1.22	0.35	0.10	8.82	15.84	12.41	7.03	2.22	NORM	NORM	NORM	DRY	DRY	2012
2013	0.39	1.58	1.94	0.76	1.29	1.87	1.01	9.37	7.74	7.33	8.95	8.06	NORM	DRY	DRY	NORM	NORM	2013
2014	1.32	1.96	2.82	1.71	2.30	1.47	4.51	13.70	12.73	13.14	10.72	18.77	NORM	NORM	NORM	NORM	WET	2014
2015	0.42	1.67	9.36	6.58	2.35	1.37	0.23	31.84	40.13	29.57	15.39	5.78	WET	WET	WET	WET	NORM	2015
2016	2.51	3.02	3.30	0.94	2.97	0.31	1.17	18.45	12.44	14.09	7.81	7.10	WET	NORM	NORM	NORM	NORM	2016
2017	1.96	2.38	3.08	2.28	0.95	1.34	1.35	15.96	15.38	10.49	8.20	7.68	NORM	NORM	NORM	NORM	NORM	2017
2018	1.28	2.13	4.88	3.87	3.12	0.25	0.51	20.18	23.50	21.98	10.86	5.15	WET	WET	WET	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.54	1.04	1.27	March	1.04
April	1.10	1.91	2.33	April	1.91
May	1.88	2.87	3.44	May	2.87
June	1.70	2.80	3.39	June	2.80
July	1.41	2.29	2.81	July	2.29
August	0.87	1.59	1.93	August	1.59
Sept.	0.53	1.38	1.68	Sept.	1.38
Jun-MAM	8.38	13.47	16.25		
Jul-JMA	9.96	16.05	19.38		
Aug-JJM	9.51	15.34	18.65		
Sep-AJJ	7.13	12.15	14.80		
Oct-SAJ	4.74	9.61	11.71		

NOTE:

Ardmore 2 N NWS Station (SD0236) has not collected data as of 2014.

Oelrichs NWS Station (SD6212) was used for Mar, Apr 1980; Sep 2001; Jun 2017.

Hot Springs NWS Station (SD4007) was used for Jun 2008; Apr 2009; Sep 2009.

Harrison 9 NE NWS Station (NE3618) was used for Mar-May 2011; 2014-2016; Mar-May, Jul-Sep 2017; 2018.

Rainfall Data
Arlington 1 W
Station #SD0281
Kingsbury County, SD

Portion of the table to be used with the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	Year
1940	2.62	1.53	0.55	3.96	2.06	3.06	0.28	7.33	14.51	14.65	17.26	9.02	DRY	NORM	NORM	NORM	NORM	1940
1941	0.32	6.83	1.57	4.66	1.36	0.66	3.24	18.69	23.95	14.97	9.36	12.40	NORM	NORM	NORM	DRY	NORM	1941
1950	1.79	1.40	5.43	1.18	2.26	2.00	3.24	20.88	15.80	14.57	11.70	15.98	WET	NORM	NORM	NORM	NORM	1950
1951	2.17	1.56	3.60	7.23	3.31	7.12	1.41	16.09	30.45	27.99	35.21	21.78	NORM	WET	WET	WET	WET	1951
1952	1.17	0.82	1.72	5.17	0.97	2.76	0.61	7.97	19.77	14.97	15.39	8.32	DRY	NORM	NORM	NORM	NORM	1952
1956	1.13	1.69	1.43	2.39	4.44	4.57	0.88	8.80	11.72	19.53	24.98	16.22	DRY	DRY	NORM	WET	NORM	1956
1958	0.58	1.66	3.47	4.31	4.36	2.74	1.27	14.31	21.53	25.17	21.25	13.65	NORM	NORM	NORM	NORM	NORM	1958
1964	1.32	2.32	1.78	3.10	2.98	4.08	1.73	11.30	15.18	16.92	21.30	16.33	NORM	NORM	NORM	NORM	NORM	1964
1965	1.44	2.71	4.54	5.91	1.78	1.06	5.69	20.48	29.52	21.70	12.65	20.97	WET	WET	NORM	NORM	WET	1965
1966	0.92	1.63	1.10	3.57	1.57	3.71	2.23	7.48	14.54	12.95	17.84	15.68	DRY	NORM	DRY	NORM	NORM	1966
1970	2.67	3.94	3.02	3.33	2.39	1.61	1.16	19.61	19.97	16.85	12.94	9.09	NORM	NORM	NORM	NORM	NORM	1970
1971	0.40	2.01	1.27	3.57	1.13	3.46	0.99	8.23	15.26	11.80	16.21	11.02	DRY	NORM	DRY	NORM	NORM	1971
1972	1.15	6.95	7.58	3.59	5.33	1.69	2.12	37.79	32.88	30.75	19.32	15.07	WET	WET	WET	NORM	NORM	1972
1973	3.57	0.76	2.14	1.22	2.29	2.40	2.73	11.51	8.70	11.45	13.00	15.28	NORM	DRY	DRY	NORM	NORM	1973
1976	1.69	1.91	0.43	2.68	1.51	2.02	1.60	6.80	10.81	10.32	11.76	10.35	DRY	DRY	DRY	NORM	NORM	1976
1977	3.69	2.06	1.32	7.31	1.41	3.86	3.11	11.77	26.63	20.17	21.71	18.46	NORM	WET	NORM	NORM	NORM	1977
1979	1.60	2.93	2.98	3.64	2.88	3.85	1.04	16.40	19.81	18.90	20.95	13.70	NORM	NORM	NORM	NORM	NORM	1979
1980	0.53	0.34	1.72	4.89	1.03	3.93	0.42	6.37	18.45	14.59	18.74	10.15	DRY	NORM	NORM	NORM	NORM	1980
1981	1.94	1.76	0.82	3.55	2.79	2.24	0.96	7.92	14.05	16.29	15.85	10.15	DRY	NORM	NORM	NORM	NORM	1981
1982	0.80	1.10	5.47	2.50	5.96	1.79	3.64	19.41	19.54	28.35	19.79	20.46	NORM	NORM	WET	NORM	WET	1982
1983	3.86	2.50	1.00	2.89	2.05	4.21	3.13	11.86	13.17	12.93	19.62	19.86	NORM	NORM	DRY	NORM	WET	1983
1984	1.08	3.04	2.25	10.64	1.78	3.24	2.52	13.91	39.46	28.87	23.92	15.82	NORM	WET	WET	WET	NORM	1984
1985	2.11	3.24	3.87	2.55	3.77	4.17	5.69	20.20	18.63	20.28	22.60	29.18	WET	NORM	NORM	NORM	WET	1985
1986	1.90	7.40	4.05	2.24	6.59	3.61	6.71	28.85	22.22	28.30	26.25	33.94	WET	NORM	WET	WET	WET	1986
1987	2.59	0.42	1.61	1.50	5.03	3.44	3.24	8.26	8.14	19.70	21.88	21.63	DRY	DRY	NORM	NORM	WET	1987
1988	1.43	1.52	2.63	1.52	1.07	5.60	2.59	12.36	11.34	8.88	20.46	20.04	NORM	DRY	DRY	NORM	WET	1988
1989	1.80	1.54	2.09	4.33	3.88	3.35	2.35	11.15	18.71	22.39	22.14	17.63	NORM	NORM	NORM	NORM	NORM	1989
1990	1.51	1.16	5.99	9.69	3.87	3.22	0.40	21.80	42.21	36.98	27.09	11.51	WET	WET	WET	WET	NORM	1990
1991	0.72	4.47	6.04	4.50	2.04	2.63	2.01	27.78	30.05	21.16	16.47	13.33	WET	WET	NORM	NORM	NORM	1991
1992	1.32	1.65	1.14	6.49	4.83	3.61	1.64	8.04	23.40	28.61	26.98	16.97	DRY	NORM	WET	WET	NORM	1992
1993	0.95	2.73	4.26	7.44	5.28	2.97	2.44	19.19	33.57	34.98	26.91	18.54	NORM	WET	WET	WET	NORM	1993
1994	0.56	3.06	2.66	7.58	3.05	3.19	2.64	14.66	31.12	26.97	23.25	17.35	NORM	WET	WET	NORM	NORM	1994
1995	3.43	4.13	5.50	1.94	5.73	4.10	4.89	28.19	20.95	26.57	25.70	28.60	WET	NORM	WET	WET	WET	1995
1996	0.67	0.59	7.19	3.86	1.75	2.56	2.29	23.42	26.55	20.16	15.04	13.74	WET	WET	NORM	NORM	NORM	1996
1997	0.63	1.55	1.51	1.97	4.20	2.56	1.94	8.26	10.48	18.05	18.05	15.14	DRY	DRY	NORM	NORM	NORM	1997
1998	1.03	3.99	3.47	2.70	3.04	4.37	0.03	19.42	19.03	17.99	21.89	11.87	NORM	NORM	NORM	NORM	NORM	1998
1999	0.54	3.66	2.86	4.98	3.69	2.05	4.66	16.44	24.32	23.89	18.51	21.77	NORM	NORM	NORM	NORM	WET	1999
2000	0.65	2.09	5.75	3.37	2.82	1.96	1.76	22.08	23.70	20.95	14.89	12.02	WET	NORM	NORM	NORM	NORM	2000
2001	0.85	6.36	3.18	6.14	6.96	0.26	2.03	23.11	31.14	36.34	20.84	13.57	WET	WET	WET	NORM	NORM	2001
2002	1.56	1.29	4.39	1.90	2.66	5.09	1.39	17.31	15.77	16.17	22.49	17.01	NORM	NORM	NORM	NORM	NORM	2002
2003	0.09	1.27	2.05	4.84	2.51	1.76	1.06	8.78	19.89	19.26	15.14	9.21	DRY	NORM	NORM	NORM	NORM	2003
2004	1.24	1.42	5.42	4.66	4.47	1.47	6.18	20.34	26.24	28.15	18.01	25.95	WET	WET	WET	NORM	WET	2004
2005	0.35	1.92	3.02	3.74	1.55	2.82	6.46	13.25	19.18	15.15	15.30	26.57	NORM	NORM	NORM	NORM	WET	2005
2006	1.65	1.84	1.97	2.32	0.57	4.44	4.59	11.24	12.74	8.32	16.78	23.22	NORM	DRY	DRY	NORM	WET	2006
2007	2.56	3.37	5.96	2.90	0.17	5.26	2.11	27.18	23.99	12.27	19.02	17.02	WET	NORM	DRY	NORM	NORM	2007
2008	1.26	1.36	2.71	3.83	2.31	1.47	2.62	12.11	18.27	17.30	12.86	13.11	NORM	NORM	NORM	NORM	NORM	2008
2009	4.83	1.52	2.35	3.60	6.34	1.76	1.81	14.92	17.02	28.57	21.56	15.29	NORM	NORM	WET	NORM	NORM	2009
2010	1.57	1.40	2.57	9.53	5.76	2.88	4.50	12.08	35.13	38.91	29.69	25.02	NORM	WET	WET	WET	WET	2010
2011	1.40	2.08	4.98	2.84	2.80	1.81	0.21	20.50	20.56	19.06	13.87	7.05	WET	NORM	NORM	NORM	NORM	2011
2012	0.48	3.57	4.88	1.86	0.93	2.62	0.73	22.26	18.91	11.39	11.58	8.36	WET	NORM	DRY	NORM	NORM	2012
2013	1.01	2.61	3.05	5.88	3.62	1.53	2.63	15.38	26.35	25.67	17.71	14.57	NORM	WET	WET	NORM	NORM	2013
2014	1.02	1.75	2.06	8.82	2.41	2.90	2.00	10.70	32.33	26.93	22.34	14.21	NORM	WET	WET	NORM	NORM	2014
2015	0.32	0.30	4.69	2.30	3.96	6.96	1.72	14.99	16.58	21.17	31.10	23.04	NORM	NORM	NORM	WET	WET	2015
2016	1.09	2.19	2.73	3.75	6.09	4.69	4.05	13.66	18.90	28.50	30.00	27.62	NORM	NORM	WET	WET	WET	2016
2017	0.61	1.18	4.83	1.45	4.98	4.86	4.93	17.46	15.19	22.67	25.99	29.49	NORM	NORM	NORM	WET	WET	2017
2018	1.88	1.18	1.30	4.34	9.54	3.74	5.02	8.14	16.80	38.60	34.64	32.08	DRY	NORM	WET	WET	WET	2018

30% Lower		30% Upper		Normals are for 1971-2000 data	
Month	Bound	N	Bound	Month	
March	0.94	1.55	1.88	March	1.55
April	1.44	2.50	3.04	April	2.50
May	1.88	3.20	3.89	May	3.20
June	2.54	4.16	5.04	June	4.16
July	2.04	3.18	3.82	July	3.18
August	1.19	3.04	3.56	August	3.04
Sept.	0.79	2.43	2.97	Sept.	2.43
Jun-MAM	9.46	16.15	19.63		
Jul-JMA	12.82	21.38	25.94		
Aug-JJM	13.08	21.06	25.43		
Sep-AJJ	10.19	19.64	23.36		
Oct-SAJ	6.79	16.55	19.85		

NOTE:
Arlington 1 W NWS Station (SD0281) has not collected data as of Sept. 2012.
Brookings 2 NE NWS Station (SD1076) was used for Jun 1973; 1976; Jun 1977; Jun-Sep 1979; Mar, Aug, Sep 1980; Mar, Apr 2008; Sep 2012; 2013-2018.

Rainfall Data
Armour
Station #SD0296
Douglas County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches									Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-		June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1940	2.49	2.57	0.18	4.96	0.49	4.5	0.42		8.17	17.81	11.57	19.44	10.75	DRY	NORM	DRY	NORM	NORM	1940
1941	0.46	5.02	3.08	3.27	1.91	1.54	2.59		19.74	20.99	15.35	11.71	12.76	NORM	NORM	NORM	NORM	NORM	1941
1951	1.77	2.66	4.64	4.98	1.61	3.24	1.65		21.01	26.88	19.43	17.92	13.04	NORM	WET	NORM	NORM	NORM	1951
1955	0.46	0.93	2.42	3.27	3.08	1.42	2.61		9.58	15.58	18.2	13.69	13.75	DRY	NORM	NORM	NORM	NORM	1955
1956	1.31	2.92	1.51	1.92	2.58	2.27	0.44		11.68	11.7	13.09	13.89	8.44	NORM	DRY	NORM	NORM	NORM	1956
1963	1.69	1.39	1.3	3.04	6.25	1.35	3.1		8.37	13.11	26.13	19.59	18.25	DRY	NORM	WET	NORM	WET	1963
1964	1.38	3.48	1.17	5.11	6.19	1.77	2.85		11.85	21.15	29.96	22.8	18.28	NORM	NORM	WET	WET	WET	1964
1969	0.13	0.85	2.4	3.17	5.25	1.74	1.73		9.03	15.16	24.49	18.89	13.92	DRY	NORM	WET	NORM	NORM	1969
1970	1.94	6.1	2.67	2.23	1.02	1	2.17		22.15	18.13	10.19	7.27	9.53	WET	NORM	DRY	DRY	NORM	1970
1975	2.52	1.96	1.33	4.56	0.83	2.54	0.68		10.43	18.3	12.94	13.84	7.95	DRY	NORM	NORM	NORM	NORM	1975
1976	0.75	1.56	2.72	1.5	1.83	1.6	2.01		12.03	11.5	11.21	9.96	11.06	NORM	DRY	DRY	NORM	NORM	1976
1978	0.3	2.46	4.84	1.8	6.2	2.7	2.48		19.74	17.54	27.04	22.3	19.04	NORM	NORM	WET	WET	WET	1978
1980	1.22	1.09	1.41	2.45	0.64	5.95	0.18		7.63	11.26	8.23	21.58	13.08	DRY	DRY	DRY	WET	NORM	1980
1981	2.56	0.51	2.25	2.34	3.56	1.38	1.42		10.33	12.03	17.61	13.60	10.58	DRY	DRY	NORM	NORM	NORM	1981
1982	1.29	1.30	8.66	3.78	1.46	1.71	1.81		29.87	29.96	20.60	11.83	10.31	WET	WET	NORM	NORM	NORM	1982
1983	3.05	1.60	2.60	6.26	4.56	0.11	0.57		14.05	25.58	28.80	15.71	6.49	NORM	WET	WET	NORM	DRY	1983
1984	1.76	6.19	3.14	9.82	1.78	2.38	1.19		23.56	41.93	28.12	20.52	10.11	WET	WET	WET	WET	NORM	1984
1985	1.67	3.49	3.54	1.82	2.71	5.07	4.69		19.27	16.03	15.31	22.45	26.92	NORM	NORM	NORM	WET	WET	1985
1986	1.72	6.62	3.76	6.74	1.98	0.30	7.07		26.24	34.36	23.18	11.60	23.79	WET	WET	NORM	NORM	WET	1986
1987	7.21	0.33	0.94	1.86	2.24	2.69	1.47		10.69	7.79	11.38	14.41	12.03	DRY	DRY	DRY	NORM	NORM	1987
1988	0.89	2.90	2.74	1.84	2.37	2.62	3.90		14.91	13.90	13.53	14.44	19.31	NORM	NORM	NORM	NORM	WET	1988
1989	0.91	1.07	1.95	2.15	3.44	1.28	3.04		8.90	11.42	16.57	12.87	15.12	DRY	DRY	NORM	NORM	NORM	1989
1990	1.28	1.43	6.26	3.17	1.85	1.39	0.23		22.92	23.46	18.15	11.04	5.32	WET	NORM	NORM	NORM	DRY	1990
1991	0.89	2.39	5.68	1.74	3.40	1.89	2.13		22.71	18.97	19.36	14.21	13.57	WET	NORM	NORM	NORM	NORM	1991
1992	2.56	2.76	0.53	1.97	6.12	5.67	2.78		9.67	9.73	22.83	31.22	25.80	DRY	DRY	NORM	WET	WET	1992
1993	0.85	3.49	5.87	3.70	6.54	3.46	1.13		25.44	26.33	32.89	27.16	16.85	WET	WET	WET	WET	NORM	1993
1994	0.18	2.97	1.84	2.98	3.56	1.12	1.53		11.64	15.59	18.48	13.46	10.39	NORM	NORM	NORM	NORM	NORM	1994
1995	3.46	5.63	7.83	1.27	2.68	1.96	3.60		38.21	25.10	18.41	12.51	17.40	WET	WET	NORM	NORM	NORM	1995
1996	0.60	1.12	4.29	2.67	1.04	2.55	5.31		15.71	17.71	12.75	12.40	22.07	NORM	NORM	NORM	NORM	WET	1996
1997	0.29	2.66	4.50	5.52	2.45	2.38	2.16		19.11	28.22	22.89	17.56	13.69	NORM	WET	NORM	NORM	NORM	1997
1998	2.39	3.86	1.93	4.63	6.58	3.37	0.67		15.90	21.61	30.93	27.90	15.33	NORM	NORM	WET	WET	NORM	1998
1999	0.78	4.37	4.17	3.83	5.80	0.78	2.38		22.03	24.20	29.23	17.77	14.50	WET	WET	WET	NORM	NORM	1999
2000	0.69	1.14	4.71	1.44	0.62	4.03	0.59		17.10	14.88	9.45	14.77	10.45	NORM	NORM	DRY	NORM	NORM	2000
2001	0.45	6.51	2.27	6.84	2.76	1.18	3.87		20.28	31.57	24.23	15.90	16.73	NORM	WET	WET	NORM	NORM	2001
2002	0.93	2.18	1.13	2.07	0.32	4.44	1.98		8.68	10.65	6.23	16.03	15.14	DRY	DRY	DRY	NORM	NORM	2002
2003	0.18	4.52	3.29	4.47	4.11	1.59	1.15		19.09	24.51	24.56	17.46	10.74	NORM	WET	WET	NORM	NORM	2003
2004	2.78	1.11	5.67	4.14	0.73	0.83	3.25		22.01	24.87	16.14	8.09	12.14	WET	WET	NORM	DRY	NORM	2004
2005	1.14	2.42	3.71	6.79	2.42	0.5	6.91		17.11	30.21	24.55	13.13	24.15	NORM	WET	WET	NORM	WET	2005
2006	0.45	1.24	0.40	1.71	0.16	5.08	5.39		4.13	7.17	4.30	17.27	26.49	DRY	DRY	DRY	NORM	WET	2006
2007	3.07	2.93	5.19	5.67	0.10	7.84	2.08		24.50	30.32	16.83	29.39	22.02	WET	WET	NORM	WET	WET	2007
2008	1.40	1.25	2.45	4.15	2.48	0.78	0.53		11.25	18.60	18.19	11.45	5.63	NORM	NORM	NORM	NORM	DRY	2008
2009	0.86	1.52	1.87	4.66	2.87	4.26	0.99		9.51	19.24	19.80	23.18	14.36	DRY	NORM	NORM	WET	NORM	2009
2010	0.83	1.69	2.63	8.75	3.17	4.28	6.83		12.10	33.20	29.64	27.93	32.22	NORM	WET	WET	WET	WET	2010
2011	1.05	1.07	4.00	3.89	2.03	2.31	0.23		15.19	20.74	17.87	14.88	7.34	NORM	NORM	NORM	NORM	DRY	2011
2012	0.44	4.76	1.77	0.70	0.70	0.82	0.45		15.27	10.40	5.27	4.56	3.69	NORM	DRY	DRY	DRY	DRY	2012
2013	1.20	3.48	4.97	4.78	2.87	2.96	1.78		23.07	27.76	23.14	19.40	14.13	WET	WET	NORM	NORM	NORM	2013
2014	1.85	0.74	1.25	6.90	0.51	5.98	1.56		7.08	23.94	16.58	25.86	17.15	DRY	WET	NORM	WET	NORM	2014
2015	0.05	1.45	3.97	2.19	4.43	2.02	5.55		14.86	15.96	21.64	17.11	25.12	NORM	NORM	NORM	NORM	WET	2015
2016	1.02	5.76	8.33	2.08	3.84	1.24	1.43		37.53	28.66	24.01	13.48	10.61	WET	WET	WET	NORM	NORM	2016
2017	0.15	2.28	2.90	0.96	0.52	5.14	3.92		13.41	10.96	6.38	17.42	22.56	NORM	DRY	DRY	NORM	WET	2017
2018	2.12	2.13	1.89	6.09	4.06	2.97	5.32		12.05	24.18	26.25	23.12	25.96	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.83	1.73	2.11	March	1.73
April	1.48	2.53	3.08	April	2.53
May	2.35	3.71	4.48	May	3.71
June	2.23	3.31	3.96	June	3.31
July	1.93	3.14	3.80	July	3.14
August	1.24	2.29	2.79	August	2.29
Sept.	1.07	2.25	2.75	Sept.	2.25
Jun-MAM	10.84	17.92	21.71		
Jul-JMA	12.87	19.88	23.92		
Aug-JJM	12.60	19.75	23.80		
Sep-AJJ	9.81	16.46	19.93		
Oct-SAJ	7.62	14.47	17.63		

NOTE:

Armour NWS Station (SD0296) has not collected data as of 2009.

Platte NWS Station (SD6669) was used for Mar, Apr 1980; Aug 1981; Sep 2014; 2017-2018.

Wagner NWS Station (SD8767) was used for Mar 2007; Jun, Jul 2008; 2009-2010; Mar, Apr 2011.

Pickstown NWS Station (SD6574) was used for May-Sep 2011; 2012-2013; Mar-Aug 2014; 2015-2016.

Rainfall Data
Astoria 4 S
Station #SD0422
Brookings County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1939	0.09	1.41	2.72	3.96	2.31	2.48	0.94	11.07	18.73	17.57	16.02	10.09	NORM	NORM	NORM	NORM	DRY	1939
1951	1.79	1.46	3.35	4.96	2.27	8.29	1.68	14.76	23.04	20.08	34.37	23.89	NORM	NORM	NORM	WET	WET	1951
1956	0.70	1.22	2.74	4.06	6.03	3.77	0.40	11.36	18.88	28.95	27.43	14.77	NORM	NORM	WET	WET	NORM	1956
1958	0.27	1.99	0.10	3.45	3.01	0.87	1.91	4.55	12.54	16.03	12.08	10.48	DRY	NORM	NORM	DRY	NORM	1958
1965	0.83	3.40	5.06	4.04	0.89	1.20	5.01	22.81	25.64	15.81	9.42	18.32	WET	WET	NORM	DRY	NORM	1965
1970	1.18	2.86	5.66	4.22	2.44	1.24	1.19	23.88	26.84	21.42	12.82	8.49	WET	WET	NORM	DRY	DRY	1970
1971	0.25	1.56	1.13	5.16	1.13	3.00	0.88	6.76	19.30	14.84	16.42	9.77	DRY	NORM	NORM	NORM	DRY	1971
1977	3.05	1.38	2.16	7.31	1.74	5.03	3.70	12.29	27.63	22.00	25.88	22.90	NORM	WET	NORM	WET	WET	1977
1978	0.75	3.77	4.17	2.89	4.03	2.25	2.44	20.80	20.78	22.04	17.70	15.85	WET	NORM	NORM	NORM	NORM	1978
1979	1.92	2.58	3.61	3.64	2.88	3.85	1.04	17.91	20.72	19.53	20.95	13.70	NORM	NORM	NORM	NORM	NORM	1979
1980	0.53	0.34	1.09	9.28	2.58	3.93	0.42	4.48	30.36	27.39	26.23	11.70	DRY	WET	WET	WET	NORM	1980
1981	1.18	1.50	0.71	2.89	4.01	3.69	0.74	6.31	11.59	18.52	21.98	13.61	DRY	DRY	NORM	NORM	NORM	1981
1982	0.37	1.43	4.31	2.25	5.55	1.92	2.74	16.16	16.80	25.46	19.11	17.61	NORM	NORM	NORM	NORM	NORM	1982
1983	3.45	1.28	1.14	4.45	3.03	4.29	2.35	9.43	16.91	19.13	23.38	18.66	NORM	NORM	NORM	NORM	NORM	1983
1984	1.38	3.38	3.06	8.48	2.17	1.64	1.83	17.32	34.94	26.53	17.74	10.94	NORM	WET	WET	NORM	NORM	1984
1985	3.35	2.01	3.57	0.82	1.49	3.92	5.09	18.08	11.61	9.68	15.56	24.60	NORM	DRY	DRY	NORM	WET	1985
1986	1.04	5.36	3.72	4.42	3.71	3.43	7.67	22.92	26.06	23.69	22.13	33.58	WET	WET	NORM	NORM	WET	1986
1987	2.48	0.28	1.65	2.54	5.29	1.88	4.55	7.99	11.20	22.60	18.76	22.70	DRY	DRY	NORM	NORM	WET	1987
1988	0.29	1.80	1.52	1.42	1.75	2.94	4.70	8.45	9.10	9.61	13.74	21.73	DRY	DRY	DRY	NORM	WET	1988
1989	1.30	1.59	0.78	4.02	6.04	1.52	2.36	6.82	15.21	26.94	20.66	16.16	DRY	NORM	WET	NORM	NORM	1989
1990	1.30	1.07	5.59	7.55	3.74	3.13	0.66	20.21	34.90	31.91	24.42	11.98	WET	WET	WET	WET	NORM	1990
1991	0.17	3.54	3.69	5.15	4.21	2.43	3.30	18.32	26.37	26.62	20.86	18.97	NORM	WET	WET	NORM	NORM	1991
1992	1.25	1.79	1.19	7.98	3.69	4.67	1.87	8.40	28.11	28.22	29.37	18.64	DRY	WET	WET	WET	NORM	1992
1993	0.79	1.96	4.32	8.69	5.18	2.27	2.12	17.67	36.67	37.24	25.86	16.08	NORM	WET	WET	WET	NORM	1993
1994	0.40	2.99	1.52	11.23	1.67	5.68	3.94	10.94	39.72	28.99	31.61	24.85	NORM	WET	WET	WET	WET	1994
1995	3.15	3.81	5.17	3.55	6.97	4.44	2.98	26.28	24.80	33.18	30.81	24.79	WET	NORM	WET	WET	WET	1995
1996	0.22	0.36	4.24	2.59	1.32	2.24	3.24	13.66	16.61	13.38	11.95	15.52	NORM	NORM	NORM	DRY	NORM	1996
1997	0.42	3.20	0.76	2.69	4.06	3.96	0.58	9.10	12.79	18.32	22.69	13.72	NORM	NORM	NORM	NORM	NORM	1997
1998	0.85	1.36	1.90	1.41	4.47	5.34	0.93	9.27	9.39	18.13	26.37	17.94	NORM	DRY	NORM	WET	NORM	1998
1999	0.11	2.29	2.98	3.75	2.13	1.60	1.00	13.63	19.50	16.87	12.81	8.33	NORM	NORM	NORM	DRY	DRY	1999
2000	1.23	0.10	3.59	2.18	6.65	1.66	0.66	12.20	13.82	27.90	20.46	11.95	NORM	NORM	WET	NORM	NORM	2000
2001	0.79	7.29	3.04	5.50	5.54	0.47	2.93	24.49	29.87	30.66	17.99	15.27	WET	WET	WET	NORM	NORM	2001
2002	2.13	3.11	5.32	2.29	2.21	4.60	2.35	24.31	20.62	16.53	20.51	18.46	WET	NORM	NORM	NORM	NORM	2002
2003	0.04	1.50	4.87	3.33	3.13	1.08	4.15	17.65	21.23	20.92	12.83	17.74	NORM	NORM	NORM	DRY	NORM	2003
2004	0.82	1.56	6.39	4.29	2.57	2.30	4.92	23.11	27.21	22.68	16.33	21.93	WET	WET	NORM	NORM	WET	2004
2005	0.19	1.72	4.91	6.31	2.98	2.6	8.17	18.36	30.47	26.47	20.07	32.69	NORM	WET	WET	NORM	WET	2005
2006	1.24	2.86	2.08	2.38	0.15	6.97	6.01	13.20	14.16	7.29	23.59	32.12	NORM	NORM	DRY	NORM	WET	2006
2007	2.25	3.08	2.29	5.30	1.44	5.08	2.49	15.28	23.56	17.21	23.42	19.07	NORM	NORM	NORM	NORM	NORM	2007
2008	1.26	4.39	3.90	5.55	2.95	1.06	1.80	21.74	28.84	23.85	14.63	10.47	WET	WET	NORM	NORM	NORM	2008
2009	1.25	0.87	1.78	4.14	5.68	2.25	1.31	8.33	16.85	27.10	22.25	14.11	DRY	NORM	WET	NORM	NORM	2009
2010	0.46	2.15	3.51	8.80	5.74	4.08	13.04	15.29	35.57	38.33	32.52	53.02	NORM	WET	WET	WET	WET	2010
2011	0.82	1.89	6.90	3.88	5.43	0.91	0.18	25.30	27.33	30.95	17.47	7.79	WET	WET	WET	NORM	DRY	2011
2012	0.76	2.98	6.25	2.72	0.00	1.72	0.24	25.47	23.64	11.69	7.88	4.16	WET	NORM	DRY	DRY	DRY	2012
2013	1.01	2.61	3.05	7.72	2.23	1.03	1.43	15.38	31.87	25.18	15.27	8.58	NORM	WET	NORM	NORM	NORM	2013
2014	0.83	1.96	3.43	8.74	1.89	4.17	1.01	15.04	35.04	26.58	25.03	13.26	NORM	WET	WET	WET	NORM	2014
2015	0.22	1.00	5.03	4.76	3.83	7.19	1.77	17.31	25.34	26.04	33.99	23.52	NORM	NORM	WET	WET	WET	2015
2016	1.09	2.19	2.73	3.75	6.09	4.69	4.05	13.66	18.90	28.50	30.00	27.62	NORM	NORM	WET	WET	WET	2016
2017	0.61	1.18	4.83	1.45	4.98	4.86	4.93	17.46	15.19	22.67	25.99	29.49	NORM	NORM	NORM	WET	WET	2017
2018	1.88	1.18	1.30	4.34	9.54	3.74	5.02	8.14	16.80	38.60	34.64	32.08	DRY	NORM	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound
March	Interpolated from nearby stations.		
April	Interpolated from nearby stations.		
May	Interpolated from nearby stations.		
June	Interpolated from nearby stations.		
July	Interpolated from nearby stations.		
August	Interpolated from nearby stations.		
Sept.	Interpolated from nearby stations.		
Jun-MAM	8.5	15.2	18.5
Jul-JMA	11.9	20.9	25.3
Aug-JJM	12.8	21.4	26.0
Sep-AJJ	12.9	19.8	23.7
Oct-SAJ	10.3	16.6	20.0

Normals are for 1971-2000 data

NOTE:

Astoria 4 S NWS Station (SD0422) has not collected data as of 2016.

Brookings 2 NE NWS Station (SD1076) was used for 1939; 1956;1958; 1965; 1970; 1971; 1977; 1978; 1979; Mar-Sep 1980; 1981-1993; Mar-May 1994; Mar 2001; Mar 2002; Mar 2008; Mar 2011; Mar- May 2013; 2016-2018.

Rainfall Data
 Belle Fourche
 Station #SD0559
 Butte County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.57	0.73	1.81	3.13	0.63	2.18	2.00	7.46	13.74	9.96	10.93	10.99	DRY	NORM	NORM	NORM	WET	1980
1981	0.23	0.14	2.94	3.99	4.02	1.21	2.50	9.33	17.99	22.98	15.66	13.94	NORM	NORM	WET	WET	WET	1981
1982	1.81	1.04	10.70	2.31	1.21	1.56	2.14	35.99	29.37	18.95	9.41	10.75	WET	WET	WET	NORM	WET	1982
1983	2.60	1.45	1.57	0.26	2.34	4.52	1.28	10.21	5.37	9.11	18.50	15.22	NORM	DRY	NORM	WET	WET	1983
1984	0.96	2.94	1.18	5.22	1.36	2.13	1.06	10.38	20.96	15.70	14.33	8.80	NORM	WET	NORM	WET	NORM	1984
1985	1.54	0.62	1.40	2.15	0.89	0.96	0.61	6.98	9.87	8.37	6.81	4.64	DRY	DRY	DRY	NORM	NORM	1985
1986	0.74	3.57	2.63	4.71	1.37	0.83	4.79	15.77	22.96	16.16	9.94	17.40	NORM	WET	NORM	NORM	WET	1986
1987	2.20	0.34	4.07	0.47	1.77	3.85	1.21	15.09	9.89	10.32	15.56	13.10	NORM	DRY	NORM	WET	WET	1987
1988	1.46	0.71	3.14	1.51	0.08	0.57	1.25	12.30	11.52	6.40	3.38	4.97	NORM	NORM	DRY	DRY	NORM	1988
1989	1.57	3.92	1.52	1.99	2.64	0.26	2.13	13.97	12.93	13.42	8.05	9.55	NORM	NORM	NORM	NORM	NORM	1989
1990	0.21	1.83	2.29	1.03	3.44	0.22	0.84	10.74	9.50	14.67	8.57	6.40	NORM	DRY	NORM	NORM	NORM	1990
1991	0.65	3.19	3.30	2.31	0.45	1.00	0.21	16.93	16.72	9.27	6.21	3.08	WET	NORM	NORM	NORM	DRY	1991
1992	0.93	1.30	1.71	3.05	3.03	0.91	0.44	8.66	13.87	16.90	11.84	6.17	NORM	NORM	NORM	NORM	NORM	1992
1993	2.99	2.52	4.03	5.58	4.55	0.66	1.17	20.12	27.32	28.84	16.66	9.38	WET	WET	WET	WET	NORM	1993
1994	0.54	1.71	1.19	1.92	4.19	0.47	0.62	7.53	9.85	17.60	11.71	6.99	DRY	DRY	NORM	NORM	NORM	1994
1995	0.71	1.95	7.99	4.57	2.78	1.34	2.07	28.58	31.64	25.47	14.15	11.67	WET	WET	WET	WET	WET	1995
1996	1.45	2.12	5.75	0.97	1.18	1.33	1.59	22.94	16.53	11.23	7.32	8.61	WET	NORM	NORM	NORM	NORM	1996
1997	0.23	4.60	3.31	2.03	3.01	0.69	0.83	19.36	17.31	16.40	10.12	6.88	WET	NORM	NORM	NORM	NORM	1997
1998	1.01	0.75	0.70	6.44	2.28	2.72	2.49	4.61	21.47	20.42	19.16	15.19	DRY	WET	WET	WET	WET	1998
1999	0.82	3.51	2.11	6.79	2.80	0.74	0.54	14.17	28.10	24.09	14.61	5.90	NORM	WET	WET	WET	NORM	1999
2000	0.00	1.99	2.47	4.26	1.41	1.14	1.00	11.39	19.71	15.22	10.50	6.69	NORM	NORM	NORM	NORM	NORM	2000
2001	0.74	2.20	0.64	3.44	4.58	0.57	0.21	7.06	13.80	21.26	14.31	6.35	DRY	NORM	WET	WET	NORM	2001
2002	0.00	1.16	1.18	1.75	0.25	1.93	2.60	5.86	8.77	5.43	8.04	11.91	DRY	DRY	DRY	NORM	WET	2002
2003	0.20	0.87	2.41	3.06	0.60	1.04	3.43	9.17	14.87	10.33	7.38	12.97	NORM	NORM	NORM	NORM	WET	2003
2004	0.70	1.13	2.78	0.26	4.65	1.60	1.17	11.30	7.47	17.25	14.36	11.36	NORM	DRY	NORM	WET	WET	2004
2005	0.25	2.33	4.48	2.65	0.77	1.31	0.52	18.35	19.24	12.09	8.12	4.95	WET	NORM	NORM	NORM	NORM	2005
2006	0.07	3.61	1.01	0.82	0.36	1.92	1.96	10.32	8.09	3.73	7.30	10.08	NORM	DRY	DRY	NORM	NORM	2006
2007	2.06	0.96	3.03	2.78	0.72	1.81	0.00	13.07	15.36	10.75	9.65	4.34	NORM	NORM	NORM	NORM	DRY	2007
2008	0.40	0.94	7.34	5.48	2.23	0.54	2.60	24.30	32.06	24.99	11.56	11.11	WET	WET	WET	NORM	WET	2008
2009	1.74	2.37	0.73	2.13	1.45	3.48	1.04	8.67	10.22	9.34	15.47	11.53	NORM	NORM	NORM	WET	WET	2009
2010	0.72	2.93	4.50	2.24	1.28	2.19	1.10	20.08	18.65	12.82	11.37	8.96	WET	NORM	NORM	NORM	NORM	2010
2011	1.86	1.37	5.48	1.33	1.61	1.67	0.55	21.04	16.32	12.97	9.56	6.60	WET	NORM	NORM	NORM	NORM	2011
2012	0.42	1.66	1.59	1.07	2.61	0.85	0.00	8.51	8.05	11.56	8.84	4.31	NORM	DRY	NORM	NORM	DRY	2012
2013	0.04	2.14	5.48	2.22	0.84	1.00	1.36	20.76	19.76	12.44	6.90	6.92	WET	NORM	NORM	NORM	NORM	2013
2014	2.06	1.48	0.84	2.83	0.20	1.36	2.74	7.54	11.65	7.10	7.31	11.14	DRY	NORM	DRY	NORM	WET	2014
2015	0.26	1.13	4.30	5.67	0.44	4.11	0.46	15.42	26.74	16.96	18.88	10.04	NORM	WET	NORM	WET	NORM	2015
2016	1.88	2.27	0.21	0.55	1.96	1.04	1.42	7.05	4.34	7.19	7.59	8.30	DRY	DRY	DRY	NORM	NORM	2016
2017	0.61	2.87	0.61	1.49	1.11	1.42	2.30	8.18	8.56	6.92	7.97	10.85	DRY	DRY	DRY	NORM	WET	2017
2018	1.96	1.92	4.60	5.52	2.65	2.75	1.55	19.60	27.68	23.59	19.07	12.80	WET	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.55	1.06	1.31	March	1.06
April	1.10	1.97	2.39	April	1.97
May	1.85	2.99	3.61	May	2.99
June	1.70	3.10	3.78	June	3.10
July	1.08	2.05	2.50	July	2.05
August	0.77	1.39	1.69	August	1.39
Sept.	0.60	1.30	1.58	Sept.	1.30

NOTE:

Newell NWS Station (SD6054) was used for Mar-May, Jul 1986; Aug 1987; Apr 1988; Jul 2008.

Jun-MAM	8.30	13.97	16.92
Jul-JMA	9.90	17.25	20.95
Aug-JJM	8.49	15.34	18.67
Sep-AJJ	6.17	11.37	13.85
Oct-SAJ	4.42	8.73	10.62

Rainfall Data
Big Stone City 2 NW
Station #SD0662
Grant County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1939	0.28	0.84	3.5	6.31	3.51	4.03	1.05	12.46	26.77	26.65	25.42	14.72	NORM	WET	WET	WET	NORM	1939
1953	1.07	4.02	2.52	9.94	2.71	2.01	0.14	16.67	38.88	30.53	21.39	7.15	WET	WET	WET	NORM	DRY	1953
1971	0.04	1.13	1.31	7.55	2.02	2.59	0.97	6.23	26.40	22.47	19.36	10.11	DRY	WET	NORM	NORM	DRY	1971
1974	0.34	2.79	2.21	1.95	1.72	3.30	0.80	12.55	13.06	11.27	15.29	10.72	NORM	NORM	DRY	NORM	NORM	1974
1978	0.16	3.77	2.75	4.06	3.21	1.85	0.2	15.95	21.45	20.50	16.03	7.51	WET	WET	NORM	NORM	DRY	1978
1979	1.68	2.41	1.63	4.94	2.06	1.87	0.19	11.39	20.49	17.69	14.67	6.37	NORM	NORM	NORM	NORM	DRY	1979
1980	0.49	0.24	1.56	6.74	2.81	3.68	0.85	5.65	23.58	23.47	23.40	12.72	DRY	WET	NORM	NORM	NORM	1980
1981	0.83	1.19	1.48	3.93	4.67	2.04	0.57	7.65	15.94	23.35	19.39	10.46	DRY	NORM	NORM	NORM	NORM	1981
1982	0.03	0.11	3.27	0.85	3.65	1.30	2.28	10.06	9.20	15.92	12.05	13.09	NORM	DRY	NORM	DRY	NORM	1982
1983	0.70	0.14	1.19	3.84	4.12	4.03	2.54	4.55	14.04	21.23	24.17	19.80	DRY	NORM	NORM	WET	WET	1983
1984	1.39	3.41	1.93	7.72	1.40	1.63	1.77	14.00	30.43	21.57	15.41	9.97	NORM	WET	NORM	NORM	DRY	1984
1985	0.53	3.23	2.30	2.77	4.29	3.84	4.53	13.89	16.14	20.71	22.87	25.56	NORM	NORM	NORM	NORM	WET	1985
1986	0.88	7.72	3.63	2.14	5.45	3.14	4.69	27.21	21.40	24.26	22.46	25.80	WET	WET	NORM	NORM	WET	1986
1987	1.52	0.88	2.32	1.14	3.83	1.94	3.01	10.24	8.94	16.09	14.62	16.74	NORM	DRY	NORM	NORM	NORM	1987
1988	0.93	0.89	1.89	1.18	1.68	3.42	1.34	8.38	8.21	9.29	14.80	12.54	DRY	DRY	DRY	NORM	NORM	1988
1989	1.00	3.59	1.05	1.79	2.68	2.57	1.37	11.33	11.06	12.67	14.86	11.93	NORM	DRY	DRY	NORM	NORM	1989
1990	1.64	1.45	1.75	4.83	2.09	5.85	1.21	9.79	19.44	17.68	26.56	17.42	NORM	NORM	NORM	WET	NORM	1990
1991	1.13	3.88	4.17	8.57	6.35	4.54	1.82	21.40	37.93	40.36	34.89	20.89	WET	WET	WET	WET	WET	1991
1992	1.46	1.04	0.94	7.60	3.46	1.26	1.25	6.36	25.72	26.52	18.30	9.73	DRY	WET	WET	NORM	DRY	1992
1993	1.48	2.12	2.89	6.82	8.83	2.27	2.24	14.39	28.36	43.02	31.29	20.09	NORM	WET	WET	WET	WET	1993
1994	0.49	4.24	2.84	3.48	7.91	2.11	2.11	17.49	20.36	33.53	25.63	18.46	WET	NORM	WET	WET	NORM	1994
1995	3.93	3.37	3.45	1.73	6.65	5.20	2.42	21.02	15.46	26.86	30.63	24.31	WET	NORM	WET	WET	WET	1995
1996	0.40	0.13	4.32	1.63	3.62	1.93	3.04	13.62	13.66	18.44	14.66	16.60	NORM	NORM	NORM	NORM	NORM	1996
1997	1.55	3.07	1.73	1.16	3.84	4.89	1.20	12.88	10.01	15.57	23.51	17.22	NORM	DRY	NORM	NORM	NORM	1997
1998	1.14	2.87	1.99	4.02	2.40	3.69	0.15	12.85	18.91	17.23	19.89	10.23	NORM	NORM	NORM	NORM	DRY	1998
1999	0.77	1.45	3.06	3.63	5.52	1.92	3.66	12.85	18.46	26.88	20.43	20.34	NORM	NORM	WET	NORM	WET	1999
2000	0.67	1.32	2.85	3.16	5.68	0.43	1.54	11.86	16.50	26.21	15.81	11.16	NORM	NORM	WET	NORM	NORM	2000
2001	0.67	7.46	3.34	6.07	2.88	0.48	2.27	25.61	32.35	24.12	13.27	10.65	WET	WET	NORM	DRY	NORM	2001
2002	0.77	1.64	1.88	4.37	2.69	3.92	1.36	9.69	18.51	18.69	21.51	14.61	NORM	NORM	NORM	NORM	NORM	2002
2003	0.50	1.93	3.72	1.54	2.49	0.90	1.46	15.52	13.99	14.27	9.22	8.67	NORM	NORM	NORM	DRY	DRY	2003
2004	0.95	1.27	5.30	3.29	3.12	2.19	7.19	19.39	21.74	21.24	16.10	29.07	WET	WET	NORM	NORM	WET	2004
2005	0.4	1.63	3.05	4.9	2.59	2.63	3.06	12.81	22.43	20.62	17.97	17.03	NORM	WET	NORM	NORM	NORM	2005
2006	1.10	3.34	1.93	2.58	1.04	1.67	4.81	13.57	14.94	10.21	9.67	18.81	NORM	NORM	DRY	DRY	NORM	2006
2007	2.02	4.74	3.21	5.34	2.09	2.95	3.86	21.13	27.18	20.16	18.37	19.57	WET	WET	NORM	NORM	WET	2007
2008	1.19	2.20	2.87	6.60	4.29	1.70	2.55	14.20	27.74	28.94	20.28	15.34	NORM	WET	WET	NORM	NORM	2008
2009	2.32	0.92	0.89	2.02	3.18	6.89	3.81	6.83	8.76	14.47	29.05	28.39	DRY	DRY	NORM	WET	WET	2009
2010	1.11	1.28	2.34	3.34	3.41	8.26	5.45	10.69	15.98	19.25	34.94	36.28	NORM	NORM	NORM	WET	WET	2010
2011	1.22	1.50	4.63	6.20	8.08	0.72	0.22	18.11	29.36	41.27	24.52	10.18	WET	WET	WET	WET	DRY	2011
2012	1.09	3.74	2.46	5.83	1.70	2.09	0.09	15.95	26.15	19.22	15.50	6.15	WET	WET	NORM	NORM	DRY	2012
2013	1.12	2.91	3.62	5.53	1.55	0.84	1.98	17.80	26.74	19.33	11.15	9.17	WET	WET	NORM	DRY	DRY	2013
2014	0.18	3.76	2.07	11.34	1.12	6.32	1.75	13.91	41.92	28.11	32.54	19.01	NORM	WET	WET	WET	NORM	2014
2015	0.27	0.46	5.43	1.75	5.59	4.36	1.26	17.48	16.57	25.70	26.01	18.09	WET	NORM	WET	WET	NORM	2015
2016	0.29	2.92	1.35	0.59	8.25	2.44	2.49	10.18	7.39	27.28	24.41	20.60	NORM	DRY	WET	WET	WET	2016
2017	0.34	3.38	2.74	3.19	2.20	7.24	4.73	15.32	18.43	15.72	29.31	30.87	NORM	NORM	NORM	WET	WET	2017
2018	1.57	0.72	0.90	3.67	6.15	2.71	1.73	5.71	13.53	26.69	24.10	16.76	DRY	NORM	WET	WET	NORM	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data	
	Bound	N	Bound	N		
March	0.76	1.22	1.48		March	1.22
April	1.30	2.28	2.78		April	2.28
May	1.78	2.50	2.95		May	2.50
June	2.14	3.39	4.09		June	3.39
July	2.71	3.98	4.75		July	3.98
August	1.99	2.92	3.48		August	2.92
Sept.	1.25	2.03	2.45		Sept.	2.03

NOTE:

Milbank 2 SSW NWS Station (SD5536) was used for 1939; 1953; 1971; 1974; 1978-1983; Sep 2000.

Ortonville 1 N NWS Station (MN6225) was used for May 2018.

Jun-MAM	8.70	13.28	15.89
Jul-JMA	11.28	17.45	20.95
Aug-JJM	14.19	21.22	25.38
Sep-AJJ	13.53	20.11	24.03
Oct-SAJ	10.44	15.91	19.06

Rainfall Data
Bison
Station #SD0701
Perkins County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.63	0.74	0.25	1.74	0.96	3.20	0.17	2.86	6.46	6.61	13.26	7.87	DRY	DRY	DRY	NORM	NORM	1980
1981	0.00	0.30	2.10	2.84	2.40	3.97	2.08	6.90	13.02	14.98	19.55	16.58	DRY	NORM	NORM	WET	WET	1981
1982	2.60	2.19	7.27	1.41	1.49	1.15	1.46	28.79	20.96	14.56	7.84	8.17	WET	WET	NORM	NORM	NORM	1982
1983	1.30	1.02	2.87	3.64	2.48	2.93	0.35	11.95	17.68	17.59	17.39	9.39	NORM	NORM	NORM	WET	NORM	1983
1984	0.82	3.55	0.60	5.27	0.52	2.13	1.49	9.72	20.56	12.70	12.70	9.25	NORM	WET	NORM	NORM	NORM	1984
1985	1.51	1.22	2.75	1.77	0.85	1.72	0.94	12.20	12.03	8.84	8.63	7.11	NORM	NORM	DRY	NORM	NORM	1985
1986	0.78	5.30	4.53	1.45	3.72	0.67	2.57	24.97	18.71	18.59	10.90	12.77	WET	NORM	WET	NORM	WET	1986
1987	2.32	0.25	4.95	1.70	1.39	1.36	0.68	17.67	15.25	12.52	8.56	6.15	WET	NORM	NORM	NORM	NORM	1987
1988	1.65	0.98	1.03	2.46	0.43	0.44	0.67	6.70	10.42	7.24	4.64	3.32	DRY	NORM	DRY	DRY	DRY	1988
1989	3.96	4.10	2.12	2.44	4.32	1.49	1.51	18.52	15.66	19.96	15.55	11.83	WET	NORM	WET	WET	WET	1989
1990	0.27	1.76	1.54	1.82	0.63	0.11	0.19	8.41	10.30	7.07	3.41	1.42	NORM	NORM	DRY	DRY	DRY	1990
1991	0.90	2.45	3.40	1.67	1.28	0.48	0.25	16.00	14.26	10.58	5.67	2.99	NORM	NORM	NORM	DRY	DRY	1991
1992	0.40	0.99	2.73	5.50	5.25	1.04	0.71	10.57	22.95	29.48	19.12	9.46	NORM	WET	WET	WET	NORM	1992
1993	1.22	1.14	1.61	5.81	9.31	0.71	0.54	8.33	21.79	41.16	26.56	12.35	NORM	WET	WET	WET	WET	1993
1994	0.59	2.13	0.09	2.82	2.80	0.76	1.16	5.12	10.77	14.13	10.70	7.80	DRY	NORM	NORM	NORM	NORM	1994
1995	0.88	2.18	5.31	3.10	2.25	1.72	0.63	21.17	22.10	18.26	12.76	7.58	WET	WET	NORM	NORM	NORM	1995
1996	1.12	0.94	7.28	1.78	1.54	1.87	3.72	24.84	20.84	15.46	10.47	16.44	WET	WET	NORM	NORM	WET	1996
1997	0.44	4.68	2.11	4.16	1.90	1.60	1.52	16.13	21.38	16.13	12.76	9.66	NORM	WET	NORM	NORM	NORM	1997
1998	0.93	0.58	1.51	4.07	1.09	2.51	0.83	6.62	15.81	12.92	13.78	8.60	DRY	NORM	NORM	NORM	NORM	1998
1999	0.19	3.04	3.92	5.37	2.61	4.46	1.00	18.03	26.99	22.49	23.97	14.53	WET	WET	WET	WET	WET	1999
2000	1.48	2.32	3.52	1.97	2.82	0.12	0.33	16.68	15.27	15.92	7.97	4.05	WET	NORM	NORM	NORM	DRY	2000
2001	0.28	2.34	2.22	3.53	5.00	0.23	1.38	11.62	17.37	24.28	14.22	9.60	NORM	NORM	WET	NORM	NORM	2001
2002	0.28	0.81	1.22	1.37	2.84	1.30	0.61	5.56	7.36	12.48	10.95	7.27	DRY	DRY	NORM	NORM	NORM	2002
2003	2.61	1.65	3.16	2.62	1.45	0.06	2.62	15.39	15.83	12.75	5.70	9.43	NORM	NORM	NORM	DRY	NORM	2003
2004	0.40	0.87	2.26	1.42	3.19	2.04	1.87	8.92	9.65	14.67	13.92	12.88	NORM	DRY	NORM	NORM	WET	2004
2005	0.58	0.88	5.16	2.96	3.26	1.95	0.95	17.82	20.08	20.86	15.33	10.01	WET	WET	WET	WET	NORM	2005
2006	2.25	1.45	0.69	0.62	0.46	1.66	3.37	7.22	4.69	3.31	6.52	13.89	NORM	DRY	DRY	NORM	WET	2006
2007	1.28	1.24	6.73	2.24	0.94	2.03	0.17	23.95	21.42	14.03	10.21	5.51	WET	WET	NORM	NORM	NORM	2007
2008	0.78	1.41	4.07	4.91	0.66	2.47	0.63	15.81	24.28	15.87	13.64	7.49	NORM	WET	NORM	NORM	NORM	2008
2009	2.32	1.43	1.59	3.26	2.34	1.15	0.34	9.95	14.39	15.13	11.39	5.66	NORM	NORM	NORM	NORM	NORM	2009
2010	0.87	1.91	5.58	2.18	2.90	2.70	2.81	21.43	19.61	18.64	16.08	16.73	WET	WET	WET	WET	WET	2010
2011	0.93	2.32	4.56	3.31	2.53	4.19	0.00	19.25	21.37	18.77	20.94	10.91	WET	WET	WET	WET	WET	2011
2012	0.53	2.72	2.76	0.50	2.33	0.98	0.00	14.25	9.74	10.75	8.10	4.29	NORM	DRY	NORM	NORM	NORM	2012
2013	0.24	1.16	5.87	2.32	1.19	2.93	5.29	20.17	19.86	14.08	13.49	22.92	WET	WET	NORM	NORM	WET	2013
2014	0.96	1.76	1.51	8.07	0.87	3.26	1.82	9.01	28.99	20.26	19.59	12.85	NORM	WET	WET	WET	WET	2014
2015	0.25	1.07	6.49	2.66	1.85	3.18	0.61	21.86	22.03	17.36	15.90	10.04	WET	WET	NORM	WET	NORM	2015
2016	0.43	3.36	0.96	0.55	2.72	1.02	1.49	10.03	6.93	10.22	9.05	9.23	NORM	DRY	NORM	NORM	NORM	2016
2017	0.30	1.79	0.67	2.44	1.42	0.80	1.20	5.89	10.45	9.81	7.68	6.62	DRY	NORM	NORM	NORM	NORM	2017
2018	1.18	1.79	3.82	4.42	2.60	1.21	1.69	16.22	22.69	20.46	13.25	10.09	NORM	WET	WET	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.6	1.21	1.49	March	1.21
April	1.14	2.11	2.57	April	2.11
May	1.39	2.72	3.33	May	2.72
June	2.00	2.82	3.34	June	2.82
July	1.18	2.27	2.77	July	2.27
August	0.71	1.47	1.80	August	1.47
Sept.	0.53	1.20	1.47	Sept.	1.20
Jun-MAM	7.05	13.59	16.62		
Jul-JMA	9.92	16.01	19.25		
Aug-JJM	8.93	15.17	18.32		
Sep-AJJ	6.49	11.77	14.28		
Oct-SAJ	4.19	8.81	10.78		

Portion of the table to be used with ☐ the PrecipCategories tool.

	30% Lower		30% Upper		
Month	Bound	N	Bound	Normals are for 1971-2000 data	
March	0.56	1.28	1.56	March	1.28
April	0.88	1.82	2.22	April	1.82
May	2.07	3.13	3.76	May	3.13
June	2.07	3.25	3.92	June	3.25
July	1.63	2.72	3.29	July	2.72
August	1.19	2.00	2.43	August	2.00
Sept.	0.45	1.36	1.67	Sept.	1.36
Jun-MAM	8.53	14.31	17.28		
Jul-JMA	11.23	17.83	21.50		
Aug-JJM	11.10	17.79	21.47		
Sep-AJJ	8.90	14.69	17.79		
Oct-SAJ	5.36	10.80	13.16		

Rainfall Data
Bonesteel
Station #SD0778
Gregory County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches									Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-		June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1938	1.95	5.21	5.23	2.54	2.61	1.35	1.59		28.06	23.29	18.14	11.81	10.08	WET	NORM	NORM	DRY	NORM	1938
1955	0.59	1.12	2.43	3.70	0.78	1.99	1.73		10.12	17.08	12.17	11.23	9.95	DRY	NORM	DRY	DRY	NORM	1955
1963	2.00	2.19	1.50	3.75	4.67	0.63	3.49		10.88	16.44	23.01	14.98	16.40	DRY	NORM	NORM	NORM	NORM	1963
1968	0.10	6.64	1.87	5.17	1.31	2.43	2.25		18.99	25.89	16.14	15.08	12.92	NORM	NORM	NORM	NORM	NORM	1968
1978	0.22	5.02	2.90	2.83	2.96	1.52	0.58		18.96	19.31	17.44	13.31	7.74	NORM	NORM	NORM	NORM	DRY	1978
1980	1.05	0.90	3.60	1.45	3.05	3.75	0.25		13.65	12.45	15.65	18.80	11.30	NORM	DRY	NORM	NORM	NORM	1980
1981	1.75	1.80	3.15	3.40	5.40	2.70	2.60		14.80	18.30	26.15	22.30	18.60	NORM	NORM	NORM	NORM	NORM	1981
1982	0.45	1.45	8.30	0.59	1.63	2.20	2.50		28.25	19.82	14.37	10.45	13.53	WET	NORM	DRY	DRY	NORM	1982
1983	3.40	1.65	3.80	8.88	4.40	0.40	0.85		18.10	35.89	34.76	18.88	7.75	NORM	WET	WET	NORM	DRY	1983
1984	1.55	6.80	6.30	3.35	4.67	3.00	2.10		34.05	29.45	27.01	21.69	16.97	WET	WET	NORM	NORM	NORM	1984
1985	1.10	5.28	1.60	1.90	3.30	5.15	2.45		16.46	14.18	15.30	23.95	20.95	NORM	DRY	NORM	NORM	NORM	1985
1986	1.85	5.65	5.96	4.80	2.20	0.60	9.10		31.03	31.97	22.16	11.00	30.70	WET	WET	NORM	DRY	WET	1986
1987	8.10	1.40	3.28	1.02	3.25	3.95	5.80		20.74	11.02	15.07	19.37	28.55	NORM	DRY	NORM	NORM	WET	1987
1988	0.65	4.40	6.00	1.70	4.07	2.11	7.30		27.45	21.50	21.61	16.17	30.19	WET	NORM	NORM	NORM	WET	1988
1989	0.66	0.83	2.00	4.85	5.25	3.17	1.95		8.32	19.38	27.45	24.86	17.44	DRY	NORM	NORM	WET	NORM	1989
1990	1.50	2.27	5.05	3.60	2.26	2.50	0.13		21.19	23.17	19.03	15.62	7.65	NORM	NORM	NORM	NORM	DRY	1990
1991	0.80	2.90	6.50	4.50	0.90	1.90	3.45		26.10	29.40	18.20	12.00	15.05	NORM	WET	NORM	DRY	NORM	1991
1992	3.60	1.88	0.75	6.73	6.27	5.00	1.70		9.61	23.57	33.02	34.27	21.37	DRY	NORM	WET	WET	NORM	1992
1993	0.95	3.25	6.30	5.60	7.10	2.70	4.00		26.35	32.65	38.80	27.90	24.50	WET	WET	WET	WET	WET	1993
1994	0.05	2.75	0.37	6.68	6.25	1.95	1.12		6.66	23.53	32.48	25.03	13.51	DRY	NORM	WET	WET	NORM	1994
1995	3.14	4.82	9.01	1.17	1.45	3.47	4.05		39.81	26.35	15.70	14.48	20.54	WET	NORM	NORM	NORM	NORM	1995
1996	0.43	1.24	9.13	3.50	1.43	3.72	8.42		30.30	30.00	20.42	17.52	34.13	WET	WET	NORM	NORM	WET	1996
1997	0.12	3.05	3.58	1.90	1.70	5.00	3.65		16.96	15.91	12.48	20.30	22.65	NORM	NORM	DRY	NORM	NORM	1997
1998	1.96	4.60	2.17	5.90	3.72	3.15	0.95		17.67	26.64	25.13	22.79	12.87	NORM	NORM	NORM	NORM	NORM	1998
1999	1.33	5.55	4.34	4.38	5.03	0.30	2.69		25.45	27.37	28.19	15.34	13.70	NORM	NORM	WET	NORM	NORM	1999
2000	1.40	1.29	4.23	3.60	2.10	0.40	0.25		16.67	20.55	17.73	9.00	3.65	NORM	NORM	NORM	DRY	DRY	2000
2001	0.87	8.65	2.92	1.67	3.10	1.00	3.55		26.93	19.50	15.56	10.87	15.75	WET	NORM	NORM	DRY	NORM	2001
2002	1.17	2.10	1.52	0.85	0.50	3.15	1.52		9.93	7.69	4.72	11.30	11.36	DRY	DRY	DRY	DRY	NORM	2002
2003	0.54	2.43	3.13	3.90	1.10	1.55	0.50		14.79	20.39	14.23	10.75	5.70	NORM	NORM	DRY	DRY	DRY	2003
2004	2.17	0.83	4.18	3.97	2.11	0.80	5.89		16.37	21.10	18.45	10.59	21.38	NORM	NORM	NORM	DRY	NORM	2004
2005	0.77	3.64	4.28	12.05	0.47	0.65	2.26		20.89	48.35	29.79	14.94	8.55	NORM	WET	WET	NORM	DRY	2005
2006	1.24	0.94	0.81	3.12	0.45	2.69	3.58		5.55	11.92	8.40	12.09	16.57	DRY	DRY	DRY	DRY	NORM	2006
2007	2.22	3.48	6.28	3.45	0.48	5.47	1.41		28.02	26.39	14.62	20.82	15.65	WET	NORM	DRY	NORM	NORM	2007
2008	1.00	2.09	3.82	6.77	2.81	3.19	1.54		16.64	30.04	25.79	21.96	13.81	NORM	WET	NORM	NORM	NORM	2008
2009	1.67	1.72	2.10	4.75	3.96	6.89	0.47		11.41	20.17	23.48	33.34	19.15	DRY	NORM	NORM	WET	NORM	2009
2010	1.83	2.55	4.03	6.68	6.60	5.72	2.30		19.02	30.65	37.19	37.04	24.94	NORM	WET	WET	WET	WET	2010
2011	0.97	3.28	6.98	4.76	3.21	5.72	0.51		28.47	31.52	26.13	28.34	16.18	WET	WET	NORM	WET	NORM	2011
2012	0.44	4.76	1.70	1.75	1.34	1.13	0.46		15.06	13.41	9.22	7.82	4.98	NORM	DRY	DRY	DRY	DRY	2012
2013	1.68	2.79	5.58	4.64	2.63	3.25	2.00		24.00	27.87	22.75	19.65	15.13	NORM	NORM	NORM	NORM	NORM	2013
2014	1.54	1.71	1.26	7.00	0.73	5.51	1.23		8.74	25.23	17.45	24.99	15.44	DRY	NORM	NORM	WET	NORM	2014
2015	0.32	1.24	4.81	3.70	5.89	3.32	5.66		17.23	21.96	29.88	25.44	29.51	NORM	NORM	WET	WET	WET	2015
2016	1.98	5.87	7.54	1.88	3.94	2.11	1.33		36.34	26.59	23.12	16.09	12.15	WET	NORM	NORM	NORM	NORM	2016
2017	0.47	2.05	4.53	1.63	4.00	5.67	4.35		18.16	16.00	19.79	26.64	28.39	NORM	NORM	NORM	WET	WET	2017
2018	2.03	2.99	3.48	4.96	9.15	5.67	2.83		18.45	24.83	40.85	40.27	28.98	NORM	NORM	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.67	1.76	2.08	March	1.76
April	1.92	2.97	3.47	April	2.97
May	2.92	4.41	5.77	May	4.41
June	2.35	3.67	4.55	June	3.67
July	2.34	3.55	4.28	July	3.55
August	1.93	2.89	3.89	August	2.89
Sept.	1.25	2.96	3.73	Sept.	2.96

Jun-MAM	13.27	20.93	26.33
Jul-JMA	14.81	22.80	28.66
Aug-JJM	14.64	22.40	27.71
Sep-AJJ	12.82	19.44	24.78
Oct-SAJ	9.95	18.21	23.25

NOTE:

Bonesteel NWS Station (SD0778) has not collected data as of 2004.

Gregory NWS Station (SD3452) was used for; 1938; 1955; 1963; 1978; Jun-Sep 2004; 2005-2009.

Butte NWS Station (NE1365) was used for 2010-2018.

Rainfall Data
Bridgewater
Station #SD1032
McCook County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1940	1.68	2.82	0.03	5.56	1.40	3.09	1.02	7.41	19.56	15.35	17.63	10.64	DRY	NORM	NORM	NORM	DRY	1940
1953	1.25	0.91	5.71	5.63	1.39	4.27	0.82	20.20	29.22	21.14	21.22	12.39	NORM	WET	NORM	NORM	NORM	1953
1954	2.05	1.79	2.73	4.67	3.19	2.14	3.17	13.82	21.26	21.64	17.47	16.98	NORM	NORM	NORM	NORM	NORM	1954
1956	1.58	2.02	0.94	1.08	3.21	3.67	0.40	8.44	7.14	12.73	18.51	11.75	DRY	DRY	DRY	NORM	NORM	1956
1964	1.60	2.93	1.37	2.85	2.48	2.54	1.67	11.57	14.22	14.51	15.43	12.57	NORM	NORM	NORM	NORM	NORM	1964
1968	0.33	3.73	1.45	5.09	2.15	1.83	3.69	12.14	21.90	18.08	14.88	16.88	NORM	NORM	NORM	NORM	NORM	1968
1969	0.77	0.97	2.49	6.05	5.49	1.97	2.65	10.18	24.10	31.06	22.94	17.38	DRY	NORM	WET	NORM	NORM	1969
1970	2.84	3.77	2.60	3.20	2.46	1.04	2.04	18.18	18.57	16.38	11.24	10.66	NORM	NORM	NORM	DRY	DRY	1970
1973	3.70	1.12	1.69	1.06	1.87	1.49	4.82	11.01	7.68	9.42	9.27	19.31	NORM	DRY	DRY	DRY	NORM	1973
1974	1.12	0.78	3.34	2.33	4.58	2.72	0.37	12.70	14.45	21.74	19.65	11.13	NORM	NORM	NORM	NORM	DRY	1974
1976	0.98	2.77	1.76	1.84	2.80	0.83	1.86	11.80	11.81	13.84	9.93	10.04	NORM	DRY	NORM	DRY	DRY	1976
1978	0.14	3.84	4.79	3.12	5.32	6.55	2.79	22.19	22.78	26.99	33.41	26.79	WET	NORM	WET	WET	WET	1978
1980	0.61	0.62	0.77	2.56	1.07	3.04	1.23	4.16	9.84	9.10	13.82	10.84	DRY	DRY	DRY	NORM	DRY	1980
1981	2.28	1.07	0.83	2.60	4.32	6.84	1.37	6.91	10.53	18.99	31.76	22.11	DRY	DRY	NORM	WET	NORM	1981
1982	1.03	1.47	7.77	1.47	2.98	2.62	1.48	27.28	21.42	19.65	15.29	12.66	WET	NORM	NORM	NORM	NORM	1982
1983	2.14	1.59	1.31	7.43	2.28	0.48	0.93	9.25	26.50	23.01	13.43	6.03	DRY	WET	NORM	NORM	DRY	1983
1984	1.17	5.28	2.88	9.18	0.40	1.40	1.04	20.37	38.58	22.44	14.18	6.32	NORM	WET	NORM	NORM	DRY	1984
1985	2.20	4.76	2.41	1.64	2.86	2.87	3.02	18.95	14.50	14.27	15.97	17.66	NORM	NORM	NORM	NORM	NORM	1985
1986	1.65	7.06	3.19	4.27	2.30	2.62	7.00	25.34	26.25	18.63	16.73	28.54	WET	WET	NORM	NORM	WET	1986
1987	3.53	0.36	2.63	1.84	6.46	1.72	2.25	12.14	11.14	25.69	19.92	16.65	NORM	DRY	WET	NORM	NORM	1987
1988	0.48	2.33	3.94	0.57	0.98	3.73	2.95	16.96	11.92	8.02	13.72	17.29	NORM	DRY	DRY	NORM	NORM	1988
1989	1.34	0.95	3.00	3.50	2.80	1.75	2.95	12.24	17.45	18.40	14.35	15.15	NORM	NORM	NORM	NORM	NORM	1989
1990	1.00	1.70	7.10	3.30	3.40	4.50	0.85	25.70	25.80	23.90	23.60	14.95	WET	WET	NORM	NORM	NORM	1990
1991	0.80	2.95	4.55	2.95	2.40	2.80	3.05	20.35	20.90	17.65	16.15	17.15	NORM	NORM	NORM	NORM	NORM	1991
1992	2.00	2.15	1.15	2.85	9.55	6.05	3.05	9.75	13.00	35.50	40.10	30.80	DRY	NORM	WET	WET	WET	1992
1993	1.55	1.55	5.60	7.05	6.95	5.90	2.55	21.45	33.90	40.55	38.65	26.40	NORM	WET	WET	WET	WET	1993
1994	0.20	3.25	2.25	8.45	2.10	3.10	3.20	13.45	33.10	25.45	21.95	17.90	NORM	WET	WET	NORM	NORM	1994
1995	3.80	3.80	8.40	2.15	3.25	3.20	3.40	36.60	27.05	22.45	18.25	19.85	WET	WET	NORM	NORM	NORM	1995
1996	0.35	1.15	7.45	2.15	1.30	4.30	6.50	25.00	22.50	15.65	17.65	29.40	WET	NORM	NORM	NORM	WET	1996
1997	0.00	2.65	4.20	9.90	3.10	2.75	2.75	17.90	40.75	33.30	24.35	16.85	NORM	WET	WET	NORM	NORM	1997
1998	2.95	4.05	1.05	5.60	3.50	4.75	1.70	14.20	22.95	22.75	26.85	18.10	NORM	NORM	NORM	WET	NORM	1998
1999	0.50	6.10	4.70	4.60	5.55	3.20	6.05	26.80	29.30	30.55	25.30	30.10	WET	WET	WET	WET	WET	1999
2000	1.20	2.40	6.80	5.25	3.60	5.70	0.82	26.40	31.75	28.10	29.55	17.46	WET	WET	WET	WET	NORM	2000
2001	0.35	7.60	2.75	3.55	8.11	1.60	4.05	23.80	23.75	34.18	24.57	23.46	WET	NORM	WET	NORM	WET	2001
2002	0.60	1.80	1.80	4.55	3.00	9.20	2.30	9.60	19.05	19.90	38.15	28.30	DRY	NORM	NORM	WET	WET	2002
2003	0.00	3.90	3.75	6.65	2.00	3.65	3.20	19.05	31.35	23.05	21.60	18.90	NORM	WET	NORM	NORM	NORM	2003
2004	0.90	0.95	7.10	2.65	4.35	4.70	5.75	24.10	23.10	25.45	25.45	31.00	WET	NORM	WET	WET	WET	2004
2005	1.10	4.25	4.45	6.35	0.80	1.7	2.8	22.95	32.20	19.55	13.05	12.60	WET	WET	NORM	DRY	NORM	2005
2006	1.60	4.05	1.50	2.25	0.20	5.10	6.55	14.20	13.80	6.60	17.95	30.05	NORM	NORM	DRY	NORM	WET	2006
2007	5.20	1.75	4.90	3.95	0.00	6.55	1.85	23.40	23.40	12.80	23.60	18.65	WET	NORM	DRY	NORM	NORM	2007
2008	0.25	2.10	1.75	7.75	1.95	0.70	1.95	9.70	28.85	23.10	13.75	9.20	DRY	WET	NORM	NORM	DRY	2008
2009	0.90	1.55	2.30	8.65	8.00	1.45	2.18	10.90	32.10	43.60	29.00	17.44	NORM	WET	WET	WET	NORM	2009
2010	0.39	2.05	2.03	9.62	9.39	5.26	2.85	10.58	34.97	49.44	44.18	28.46	DRY	WET	WET	WET	WET	2010
2011	0.50	2.50	4.28	3.18	1.93	4.26	0.28	18.34	20.60	16.43	19.82	11.29	NORM	NORM	NORM	NORM	DRY	2011
2012	0.00	1.95	5.18	1.05	0.20	1.32	0.30	19.44	15.46	7.88	5.41	3.74	NORM	NORM	DRY	DRY	DRY	2012
2013	1.02	1.85	2.96	4.13	3.64	3.13	1.45	13.60	20.16	22.14	20.80	14.25	NORM	NORM	NORM	NORM	NORM	2013
2014	1.45	1.20	0.95	7.86	1.21	2.13	1.71	6.70	26.68	20.30	16.67	10.60	DRY	WET	NORM	NORM	DRY	2014
2015	0.10	2.52	3.15	4.35	5.70	4.45	2.31	14.59	21.87	28.95	29.10	21.53	NORM	NORM	WET	WET	NORM	2015
2016	1.60	4.01	7.15	2.86	2.18	1.75	3.96	31.07	26.89	19.41	12.47	17.56	WET	WET	NORM	DRY	NORM	2016
2017	0.15	1.78	5.57	2.28	2.70	5.22	2.27	20.42	19.76	18.23	23.34	19.95	NORM	NORM	NORM	NORM	NORM	2017
2018	2.68	3.47	2.10	6.51	3.37	4.28	6.27	15.92	27.20	25.23	26.09	30.74	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.81	1.58	1.95	March	1.58
April	1.43	2.45	2.97	April	2.45
May	2.33	3.86	4.67	May	3.86
June	2.30	3.63	4.38	June	3.63
July	2.02	3.23	3.90	July	3.23
August	2.31	3.52	4.22	August	3.52
Sept.	1.62	2.78	3.37	Sept.	2.78
Jun-MAM	10.66	18.06	21.90		
Jul-JMA	12.99	21.06	25.45		
Aug-JJM	12.99	20.81	25.13		
Sep-AJJ	13.27	20.65	24.84		
Oct-SAJ	11.50	18.61	22.45		

NOTE:

Alexandria NWS Station (SD0128) was used for 1940; Mar 1953; May-Aug 1980; Apr, Sep 1981; Jun 1982; Mar, Jun-Sep 1983; Mar-Jun 1984; May 1985; Sep 2011; Mar, Apr 2013.

Rainfall Data
 Britton
 Station #SD1049
 Marshall County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1953	0.46	0.29	1.00	3.17	2.41	0.47	0.05	4.04	11.80	14.57	9.40	3.50	DRY	NORM	NORM	DRY	DRY	1953
1958	0.08	1.68	0.63	4.36	4.28	1.04	0.21	5.33	16.02	22.19	16.04	6.99	DRY	NORM	NORM	NORM	DRY	1958
1965	0.50	4.22	5.11	4.33	3.14	2.38	3.34	24.27	27.43	23.19	17.75	17.92	WET	WET	NORM	NORM	WET	1965
1971	0.17	1.37	2.47	4.92	2.12	2.09	1.11	10.32	21.07	18.67	15.43	9.63	NORM	NORM	NORM	NORM	NORM	1971
1978	0.51	1.78	2.60	7.07	2.64	1.74	0.56	11.87	28.19	24.66	17.57	7.80	NORM	WET	WET	NORM	NORM	1978
1979	1.61	1.87	1.40	2.74	2.17	2.41	0.14	9.55	12.89	13.39	14.31	7.41	NORM	NORM	NORM	NORM	DRY	1979
1980	0.58	0.60	1.72	2.80	0.74	4.05	1.11	6.94	12.44	9.54	16.43	12.17	DRY	NORM	DRY	NORM	NORM	1980
1981	1.16	0.71	1.10	4.89	2.37	2.46	0.82	5.88	17.58	17.99	17.01	9.75	DRY	NORM	NORM	NORM	NORM	1981
1982	0.68	0.38	2.27	1.79	1.88	0.83	2.12	8.25	10.29	11.49	8.04	9.90	NORM	DRY	DRY	DRY	NORM	1982
1983	1.62	0.58	1.55	2.58	2.69	3.84	1.52	7.43	11.42	14.78	19.48	14.93	DRY	NORM	NORM	NORM	NORM	1983
1984	1.20	2.08	1.10	7.39	1.63	0.80	1.00	8.66	26.45	20.77	13.05	6.23	NORM	WET	NORM	NORM	DRY	1984
1985	0.88	0.14	4.65	2.68	1.40	1.65	2.16	15.11	17.48	14.21	10.43	11.18	NORM	NORM	NORM	NORM	NORM	1985
1986	0.46	7.27	3.52	2.62	8.37	3.57	4.09	25.56	22.17	33.87	30.07	27.78	WET	WET	WET	WET	WET	1986
1987	1.38	0.53	2.09	2.19	3.46	1.31	2.02	8.71	11.28	16.85	13.04	12.14	NORM	NORM	NORM	NORM	NORM	1987
1988	0.39	0.15	4.05	0.76	1.46	3.35	5.47	12.84	10.53	9.95	13.73	24.57	NORM	NORM	DRY	NORM	WET	1988
1989	1.85	2.69	1.25	2.67	3.57	2.91	2.26	10.98	13.20	17.30	18.54	16.17	NORM	NORM	NORM	NORM	NORM	1989
1990	1.80	1.65	2.38	3.88	2.35	2.37	2.56	12.24	18.05	17.19	15.69	14.77	NORM	NORM	NORM	NORM	NORM	1990
1991	0.56	3.98	7.37	5.81	4.80	1.93	1.78	30.63	36.15	33.39	21.20	14.00	WET	WET	WET	WET	NORM	1991
1992	0.80	0.83	1.49	5.84	5.63	2.53	3.53	6.93	21.33	30.06	24.69	21.28	DRY	NORM	WET	WET	WET	1992
1993	0.58	2.13	2.64	5.90	10.70	1.44	0.55	12.76	25.11	46.54	31.62	15.23	NORM	WET	WET	WET	NORM	1993
1994	0.39	2.90	1.42	0.88	8.95	1.87	1.81	10.45	8.38	30.03	24.39	18.12	NORM	DRY	WET	WET	WET	1994
1995	2.95	1.76	2.69	2.42	2.55	4.09	4.55	14.54	14.40	15.18	19.79	24.38	NORM	NORM	NORM	NORM	WET	1995
1996	0.80	0.39	4.38	2.01	1.77	0.69	3.60	14.72	15.18	13.71	7.62	13.95	NORM	NORM	NORM	DRY	NORM	1996
1997	0.76	1.88	1.58	2.29	2.81	2.77	1.79	9.26	11.91	14.59	16.22	13.72	NORM	NORM	NORM	NORM	NORM	1997
1998	1.56	4.20	6.35	6.23	2.29	2.90	0.48	29.01	35.59	25.68	19.51	9.53	WET	WET	WET	NORM	NORM	1998
1999	1.08	1.13	2.76	4.31	3.63	1.91	8.27	11.62	19.58	22.27	17.30	32.26	NORM	NORM	NORM	NORM	WET	1999
2000	0.97	1.57	2.81	3.54	5.25	1.53	1.27	12.54	17.81	25.64	18.63	12.12	NORM	NORM	WET	NORM	NORM	2000
2001	0.15	3.33	2.38	2.44	4.57	1.41	2.36	13.95	15.41	20.97	15.81	14.47	NORM	NORM	NORM	NORM	NORM	2001
2002	0.65	0.76	1.61	0.49	3.51	3.09	0.59	7.00	5.45	13.12	16.78	11.46	DRY	DRY	NORM	NORM	NORM	2002
2003	0.18	3.04	3.90	6.09	3.45	0.92	1.21	17.96	29.11	26.43	15.75	8.92	WET	WET	WET	NORM	NORM	2003
2004	0.78	0.87	6.90	1.86	2.78	1.12	4.00	23.22	20.25	18.96	10.78	17.02	WET	NORM	NORM	NORM	NORM	2004
2005	0.00	0.49	3.05	11.11	3.37	6.09	4.27	10.13	39.92	35.38	36.12	28.36	NORM	WET	WET	WET	WET	2005
2006	1.41	2.48	2.28	2.02	0.78	3.84	3.45	13.21	13.10	8.66	15.10	18.81	NORM	NORM	DRY	NORM	WET	2006
2007	1.72	3.79	6.01	5.42	1.60	2.50	1.90	27.33	32.07	21.65	16.12	12.30	WET	WET	NORM	NORM	NORM	2007
2008	0.61	1.98	1.32	4.53	4.07	2.48	4.11	8.53	18.21	22.59	20.11	21.36	NORM	NORM	NORM	NORM	WET	2008
2009	2.55	0.78	1.19	7.38	4.36	3.54	5.71	7.68	25.30	29.03	26.72	28.57	NORM	WET	WET	WET	WET	2009
2010	1.22	1.14	3.30	3.16	1.81	2.25	4.31	13.40	17.22	15.05	13.53	19.24	NORM	NORM	NORM	NORM	WET	2010
2011	1.42	2.00	3.11	2.93	9.91	2.09	0.67	14.75	17.01	38.70	29.02	16.10	NORM	NORM	WET	WET	NORM	2011
2012	0.69	4.22	0.74	3.10	2.34	1.04	0.23	11.35	15.00	13.96	10.90	5.11	NORM	NORM	NORM	NORM	DRY	2012
2013	0.44	1.90	2.88	6.53	0.98	0.50	2.84	12.88	27.25	18.88	9.99	10.50	NORM	WET	NORM	DRY	NORM	2013
2014	0.61	2.57	1.75	5.63	3.85	2.27	0.32	11.00	22.96	24.56	20.14	9.35	NORM	WET	WET	NORM	NORM	2014
2015	0.72	0.47	5.78	1.28	5.61	1.89	0.63	19.00	15.87	25.17	18.17	11.28	WET	NORM	WET	NORM	NORM	2015
2016	0.41	2.36	1.56	1.88	7.16	2.94	2.00	9.81	11.12	26.80	25.02	19.04	NORM	NORM	WET	WET	WET	2016
2017	0.08	1.84	1.67	3.49	1.61	4.49	3.21	8.77	15.65	13.48	20.18	20.22	NORM	NORM	NORM	NORM	WET	2017
2018	1.06	0.48	1.23	3.02	10.39	2.59	2.11	5.71	12.00	38.44	31.57	21.90	DRY	NORM	WET	WET	WET	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data	
	Bound	N	Bound			
March	0.62	1.03	1.24		March	1.03
April	0.79	1.72	2.10		April	1.72
May	1.76	2.87	3.47		May	2.87
June	2.05	3.44	4.17		June	3.44
July	1.88	3.33	4.10		July	3.33
August	1.51	2.28	2.73		August	2.28
Sept.	0.93	2.08	2.54		Sept.	2.08
Jun-MAM	7.48	13.08	15.85			
Jul-JMA	10.46	17.78	21.55			
Aug-JJM	11.50	19.74	24.11			
Sep-AJJ	10.34	16.94	20.56			
Oct-SAJ	7.69	14.13	17.18			

NOTE:
 Forman 5 SSE NWS Station (ND3117) was used for Aug 1979.
 Britton 13 NW NWS Station (SD1052) was used for Mar-Apr 2017.

Rainfall Data
 Brookings 2 NE
 Station #SD1076
 Brookings County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1940	2.50	1.21	0.31	5.61	1.16	4.43	0.53	5.85	18.66	15.01	21.22	11.61	DRY	NORM	NORM	NORM	NORM	1940
1950	1.47	1.63	4.99	1.42	3.13	0.98	2.44	19.70	15.87	17.22	10.62	12.41	WET	NORM	NORM	DRY	NORM	1950
1951	1.79	1.46	3.35	4.96	2.27	8.29	1.68	14.76	23.04	20.08	34.37	23.89	NORM	NORM	NORM	WET	WET	1951
1954	1.63	1.21	2.66	3.28	0.57	2.08	3.35	12.03	16.37	10.93	10.66	14.78	NORM	NORM	DRY	DRY	NORM	1954
1956	0.70	1.22	2.74	4.06	6.03	3.77	0.40	11.36	18.88	28.95	27.43	14.77	NORM	NORM	WET	WET	NORM	1956
1964	1.12	2.45	2.55	2.86	3.02	3.84	1.65	13.67	16.13	17.33	20.42	15.65	NORM	NORM	NORM	NORM	NORM	1964
1971	0.25	1.56	1.13	5.16	1.13	3.00	0.88	6.76	19.30	14.84	16.42	9.77	DRY	NORM	NORM	NORM	DRY	1971
1976	1.69	1.91	0.43	2.68	1.51	2.02	1.60	6.80	10.81	10.32	11.76	10.35	DRY	DRY	DRY	DRY	DRY	1976
1979	1.92	2.58	3.61	3.64	2.88	3.85	1.04	17.91	20.72	19.53	20.95	13.70	WET	NORM	NORM	NORM	NORM	1979
1980	0.53	0.34	1.09	9.28	2.58	3.93	0.42	4.48	30.36	27.39	26.23	11.70	DRY	WET	WET	WET	NORM	1980
1981	1.18	1.50	0.71	2.89	4.01	3.69	0.74	6.31	11.59	18.52	21.98	13.61	DRY	DRY	NORM	NORM	NORM	1981
1982	0.37	1.43	4.31	2.25	5.55	1.92	2.74	16.16	16.80	25.46	19.11	17.61	NORM	NORM	WET	NORM	NORM	1982
1983	3.45	1.28	1.14	4.45	3.03	4.29	2.35	9.43	16.91	19.13	23.38	18.66	NORM	NORM	NORM	WET	NORM	1983
1984	1.38	3.38	3.06	8.48	2.17	1.64	1.83	17.32	34.94	26.53	17.74	10.94	NORM	WET	WET	NORM	NORM	1984
1985	3.35	2.01	3.57	0.82	1.49	3.92	5.09	18.08	11.61	9.68	15.56	24.60	WET	DRY	DRY	NORM	WET	1985
1986	1.04	5.36	3.72	4.42	3.71	3.43	7.67	22.92	26.06	23.69	22.13	33.58	WET	WET	NORM	NORM	WET	1986
1987	2.48	0.28	1.65	2.54	5.29	1.88	4.55	7.99	11.20	22.60	18.76	22.70	NORM	DRY	NORM	NORM	WET	1987
1988	0.29	1.80	1.52	1.42	1.75	2.94	4.70	8.45	9.10	9.61	13.74	21.73	NORM	DRY	DRY	NORM	WET	1988
1989	1.30	1.59	0.78	4.02	6.04	1.52	2.36	6.82	15.21	26.94	20.66	16.16	DRY	NORM	WET	NORM	NORM	1989
1990	1.30	1.07	5.59	7.55	3.74	3.13	0.66	20.21	34.90	31.91	24.42	11.98	WET	WET	WET	WET	NORM	1990
1991	0.17	3.54	3.69	5.15	4.21	2.43	3.30	18.32	26.37	26.62	20.86	18.97	WET	WET	WET	NORM	NORM	1991
1992	1.25	1.79	1.19	7.98	3.69	4.67	1.87	8.40	28.11	28.22	29.37	18.64	NORM	WET	WET	WET	NORM	1992
1993	0.79	1.96	4.32	8.69	5.18	2.27	2.12	17.67	36.67	37.24	25.86	16.08	WET	WET	WET	WET	NORM	1993
1994	0.40	2.99	1.52	10.21	2.08	3.57	2.75	10.94	36.66	28.18	25.08	17.47	NORM	WET	WET	WET	NORM	1994
1995	2.77	2.71	4.52	2.73	6.85	4.46	3.93	21.75	19.94	30.53	29.81	27.56	WET	NORM	WET	WET	WET	1995
1996	0.39	0.26	4.92	2.84	0.86	3.02	2.61	15.67	18.62	13.18	13.62	14.73	NORM	NORM	NORM	NORM	NORM	1996
1997	0.67	2.14	1.36	2.40	2.69	1.55	1.72	9.03	12.06	14.23	12.43	10.95	NORM	DRY	NORM	DRY	NORM	1997
1998	0.66	1.82	1.54	2.04	1.59	3.51	0.76	8.92	11.02	10.39	15.75	10.89	NORM	DRY	DRY	NORM	NORM	1998
1999	1.34	4.18	3.42	2.58	2.72	1.86	2.84	19.96	18.76	16.74	13.60	14.96	WET	NORM	NORM	NORM	NORM	1999
2000	1.11	1.47	6.74	3.01	1.77	1.61	0.92	24.27	23.98	18.07	11.38	7.75	WET	NORM	NORM	DRY	DRY	2000
2001	0.79	5.90	1.91	3.66	2.60	0.73	2.26	18.32	20.70	17.03	11.05	10.84	WET	NORM	NORM	DRY	NORM	2001
2002	2.13	1.29	3.09	2.43	2.70	7.22	1.39	13.98	14.76	16.05	29.49	21.31	NORM	NORM	NORM	WET	WET	2002
2003	0.10	1.95	2.74	3.30	2.76	2.21	3.44	12.22	17.33	17.62	15.45	17.50	NORM	NORM	NORM	NORM	NORM	2003
2004	1.15	1.62	6.21	2.68	4.37	0.91	6.21	23.02	22.08	24.68	14.15	24.82	WET	NORM	NORM	NORM	WET	2004
2005	0.54	1.85	3.79	5.99	3.47	3.52	7.65	15.61	27.40	26.18	23.49	33.46	NORM	WET	WET	WET	WET	2005
2006	1.59	2.65	2.02	2.35	0.23	5.65	6.36	12.95	13.74	7.41	19.76	30.61	NORM	NORM	DRY	NORM	WET	2006
2007	2.13	3.62	1.86	2.99	0.14	6.45	1.20	14.95	16.31	8.26	22.62	16.64	NORM	NORM	DRY	NORM	NORM	2007
2008	1.26	1.36	3.04	5.95	1.89	0.79	1.61	13.10	25.29	20.61	12.10	8.30	NORM	WET	NORM	DRY	DRY	2008
2009	0.91	1.09	2.36	3.73	3.97	1.76	1.52	10.17	17.00	21.73	16.95	12.05	NORM	NORM	NORM	NORM	NORM	2009
2010	1.06	1.54	2.68	9.48	6.75	5.28	8.43	12.18	35.34	41.89	38.82	42.60	NORM	WET	WET	WET	WET	2010
2011	0.82	2.64	6.17	3.98	4.88	1.52	0.14	24.61	26.92	28.77	18.30	8.34	WET	WET	WET	NORM	DRY	2011
2012	0.54	2.77	6.94	1.59	1.40	2.48	0.73	26.90	21.42	14.32	11.83	8.55	WET	NORM	NORM	DRY	DRY	2012
2013	1.01	2.61	3.05	5.88	3.62	1.53	1.51	15.38	26.35	25.67	17.71	11.21	NORM	WET	WET	NORM	NORM	2013
2014	1.02	1.75	2.06	8.82	2.41	2.90	2.00	10.70	32.33	26.93	22.34	14.21	NORM	WET	WET	NORM	NORM	2014
2015	0.32	0.30	4.69	2.30	3.96	6.96	1.72	14.99	16.58	21.17	31.10	23.04	NORM	NORM	NORM	WET	WET	2015
2016	1.09	2.19	2.73	3.75	6.09	4.69	4.05	13.66	18.90	28.50	30.00	27.62	NORM	NORM	WET	WET	WET	2016
2017	0.61	1.18	4.83	1.45	4.98	4.86	4.93	17.46	15.19	22.67	25.99	29.49	WET	NORM	NORM	WET	WET	2017
2018	1.88	1.18	1.30	4.34	9.54	3.74	5.02	8.14	16.80	38.60	34.64	32.08	NORM	NORM	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.67	1.29	1.58	March	1.29
April	1.20	2.03	2.47	April	2.03
May	1.61	2.95	3.60	May	2.95
June	2.55	4.23	5.12	June	4.23
July	2.02	3.11	3.74	July	3.11
August	2.25	2.94	3.42	August	2.94
Sept.	1.28	2.48	3.03	Sept.	2.48
Jun-MAM	7.90	14.20	17.32		
Jul-JMA	12.07	20.62	25.03		
Aug-JJM	12.77	20.74	25.06		
Sep-AJJ	13.34	19.27	22.86		
Oct-SAJ	10.36	16.43	19.67		

NOTE:
 Brookings NWS Station (SD1079) was used for Mar 2007.

Rainfall Data
Bryant 1 NE
Station #SD1102
Hamlin County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1938	0.94	3.06	4.13	2.90	1.15	1.76	2.70	19.45	20.02	13.38	10.48	12.77	WET	NORM	NORM	DRY	NORM	1938
1939	0.24	0.97	3.68	4.46	2.32	1.78	0.90	13.22	21.71	19.56	14.44	8.58	NORM	NORM	NORM	NORM	DRY	1939
1941	0.26	4.99	1.43	4.35	1.08	1.58	2.55	14.53	20.9	13.37	11.25	11.89	NORM	NORM	NORM	DRY	NORM	1941
1952	1.04	0.61	0.78	3.76	3.04	2.98	0.18	4.6	13.45	17.42	18.78	9.54	DRY	NORM	NORM	NORM	DRY	1952
1953	2.90	5.91	3.86	7.27	6.72	1.65	0.30	26.3	35.44	38.56	25.66	10.92	WET	WET	WET	WET	NORM	1953
1956	0.80	1.48	2.68	7.00	4.90	5.48	1.09	11.8	27.84	31.38	33.24	19.13	NORM	WET	WET	WET	NORM	1956
1958	0.55	1.29	2.38	4.08	3.31	0.57	1.39	10.27	18.29	20.47	12.41	8.62	NORM	NORM	NORM	DRY	DRY	1958
1964	1.43	2.33	1.15	2.11	3.45	3.91	1.06	9.54	10.96	15.72	20.74	14.45	NORM	DRY	NORM	NORM	NORM	1964
1970	1.81	3.22	3.12	4.66	3.18	0.97	1.29	17.61	23.44	21.98	13.93	8.99	NORM	NORM	NORM	NORM	DRY	1970
1971	0.04	1.87	1.94	4.61	0.43	4.15	1.30	9.6	19.58	12.45	17.92	12.63	NORM	NORM	DRY	NORM	NORM	1971
1972	0.91	3.98	8.81	2.27	6.18	1.50	1.03	35.30	28.41	31.89	19.13	12.27	WET	WET	WET	NORM	NORM	1972
1973	2.04	0.66	3.26	1.54	2.70	1.16	2.37	13.14	11.8	14.44	10.42	12.13	NORM	DRY	NORM	DRY	NORM	1973
1975	2.41	3.09	1.96	4.55	0.24	4.57	1.74	14.47	20.66	11.78	18.74	14.60	NORM	NORM	DRY	NORM	NORM	1975
1976	1.05	1.94	0.97	2.82	0.97	0.59	1.93	7.84	12.34	9.52	6.53	7.94	DRY	DRY	DRY	DRY	DRY	1976
1977	3.64	3.40	3.23	7.14	3.31	3.34	4.64	20.13	31.28	27.44	23.78	23.91	WET	WET	WET	NORM	WET	1977
1978	0.58	3.28	6.09	2.71	2.72	1.11	2.02	25.41	23.59	19.67	11.48	11	WET	NORM	NORM	DRY	NORM	1978
1979	1.87	3.39	2.02	4.14	3.30	2.02	0.84	14.71	19.85	20.2	16.8	9.86	NORM	NORM	NORM	NORM	DRY	1979
1980	0.60	0.59	1.03	5.81	2.89	3.90	0.78	4.87	20.08	21.32	23.29	13.03	DRY	NORM	NORM	NORM	NORM	1980
1981	1.68	0.84	1.15	3.27	5.59	3.13	1.61	6.81	12.95	24.46	23.84	16.68	DRY	DRY	NORM	NORM	NORM	1981
1982	1.18	1.23	6.54	2.04	6.67	2.29	2.94	23.26	20.43	30.63	22.25	20.07	WET	NORM	WET	NORM	WET	1982
1983	2.93	1.05	1.66	2.52	1.79	1.85	3.30	10.01	11.93	12.07	11.65	15.39	NORM	DRY	DRY	DRY	NORM	1983
1984	1.37	2.83	2.80	8.47	2.68	3.89	1.17	15.43	33.84	27.78	25.50	13.97	NORM	WET	WET	WET	NORM	1984
1985	2.11	1.99	2.11	2.66	3.08	4.25	8.34	12.42	14.19	16.67	21.57	36.60	NORM	NORM	NORM	NORM	WET	1985
1986	1.33	8.67	3.50	4.32	3.49	3.93	4.12	29.17	28.63	22.61	23.09	23.71	WET	WET	NORM	NORM	WET	1986
1987	3.18	0.84	1.22	2.21	5.61	2.99	1.52	8.52	9.91	22.47	22.40	16.15	DRY	DRY	NORM	NORM	NORM	1987
1988	0.81	1.39	2.85	0.63	1.15	4.04	2.09	12.14	8.98	7.56	15.05	15.50	NORM	DRY	DRY	NORM	NORM	1988
1989	2.20	2.91	1.84	3.20	4.43	3.82	1.70	13.54	16.19	21.53	23.52	17.17	NORM	NORM	NORM	NORM	NORM	1989
1990	1.03	1.00	2.95	6.56	5.17	1.14	0.87	11.88	26.58	31.58	20.32	10.06	NORM	WET	WET	NORM	NORM	1990
1991	0.66	5.48	4.57	10.40	1.56	1.52	2.59	25.33	45.82	30.05	18.08	12.37	WET	WET	WET	NORM	NORM	1991
1992	1.20	2.11	0.74	5.56	5.18	2.39	2.95	7.64	20.27	27.40	23.09	18.81	DRY	NORM	WET	NORM	NORM	1992
1993	0.80	2.93	2.77	9.08	3.79	4.41	2.22	14.97	35.71	32.30	29.89	19.27	NORM	WET	WET	WET	NORM	1993
1994	0.22	1.95	2.24	4.97	2.94	4.76	2.23	10.84	21.34	21.00	25.13	19.15	NORM	NORM	NORM	WET	NORM	1994
1995	3.11	4.41	4.45	2.13	4.15	2.49	5.09	25.28	19.70	21.16	17.90	24.40	WET	NORM	NORM	NORM	WET	1995
1996	0.51	0.35	4.43	2.30	1.10	2.60	3.15	14.50	16.11	12.33	12.30	15.75	NORM	NORM	DRY	DRY	NORM	1996
1997	1.51	2.60	1.42	2.10	8.28	2.02	3.40	10.97	11.74	30.46	24.72	22.52	NORM	DRY	WET	WET	WET	1997
1998	1.92	2.13	2.51	2.84	5.22	6.23	0.63	13.71	15.67	23.85	31.97	19.57	NORM	NORM	NORM	WET	NORM	1998
1999	0.65	2.91	4.34	6.64	5.65	3.23	2.94	19.49	31.51	34.57	27.63	20.93	WET	WET	WET	WET	WET	1999
2000	0.86	1.69	4.78	3.96	3.72	2.23	0.99	18.58	23.13	23.86	18.09	11.15	NORM	NORM	NORM	NORM	NORM	2000
2001	0.46	2.63	4.25	4.67	5.89	1.10	2.46	18.47	25.14	31.26	19.75	15.47	NORM	NORM	WET	NORM	NORM	2001
2002	1.35	1.53	2.94	1.69	1.01	4.39	1.72	13.23	12.48	9.35	16.88	14.95	NORM	DRY	DRY	NORM	NORM	2002
2003	0.45	1.77	2.47	4.08	1.81	0.71	1.58	11.40	18.95	16.06	9.83	7.97	NORM	NORM	NORM	DRY	DRY	2003
2004	1.36	1.94	4.95	3.41	2.55	1.56	7.51	20.09	22.07	19.42	13.19	28.20	WET	NORM	NORM	NORM	WET	2004
2005	0.26	2.42	2.79	4.1	2.13	2.77	7.93	13.47	20.30	17.38	16.67	31.46	NORM	NORM	NORM	NORM	WET	2005
2006	1.32	2.56	1.13	2.03	0.86	6.81	5.51	9.83	10.91	7.77	24.18	31.01	NORM	DRY	DRY	WET	WET	2006
2007	1.84	4.49	5.80	3.18	0.18	4.94	4.00	28.22	25.63	12.70	18.36	22.06	WET	WET	DRY	NORM	WET	2007
2008	1.48	1.69	3.00	5.36	2.44	0.52	2.37	13.86	23.77	21.04	11.80	10.59	NORM	NORM	NORM	DRY	NORM	2008
2009	1.33	2.02	2.03	3.58	6.91	2.63	2.77	11.46	16.82	29.92	25.29	20.48	NORM	NORM	WET	WET	WET	2009
2010	1.45	1.43	3.22	9.79	6.00	3.96	5.73	13.97	37.24	40.80	33.67	31.11	NORM	WET	WET	WET	WET	2010
2011	2.06	2.12	3.66	3.56	1.46	1.00	0.31	17.28	20.12	15.16	9.48	4.39	NORM	NORM	NORM	DRY	DRY	2011
2012	0.69	4.25	4.24	7.46	0.30	2.86	0.25	21.91	35.11	20.06	16.64	6.77	WET	WET	NORM	NORM	DRY	2012
2013	0.76	2.54	3.56	5.81	4.33	1.36	2.15	16.52	27.09	28.17	18.55	13.50	NORM	WET	WET	NORM	NORM	2013
2014	1.72	1.49	3.54	6.12	1.35	5.65	0.35	15.32	26.93	19.83	25.77	13.70	NORM	WET	NORM	WET	NORM	2014
2015	0.12	0.75	3.23	5.72	4.51	7.31	1.69	11.31	24.37	28.20	36.67	24.20	NORM	NORM	WET	WET	WET	2015
2016	1.14	2.69	2.84	1.80	3.69	4.14	3.41	15.04	13.77	17.51	21.60	22.20	NORM	NORM	NORM	NORM	WET	2016
2017	1.28	1.98	2.73	2.04	6.19	3.45	5.11	13.43	13.56	25.38	24.77	28.42	NORM	NORM	NORM	WET	WET	2017
2018	1.85	1.53	2.02	4.08	3.96	3.24	1.65	10.97	17.81	22.06	21.72	15.39	NORM	NORM	NORM	NORM	NORM	2018

30% Lower		30% Upper		Normals are for 1971-2000 data	
Month	Bound	N	Bound	Month	
March	0.76	1.45	1.77	March	1.45
April	1.40	2.45	2.98	April	2.45
May	1.93	3.10	3.75	May	3.10
June	2.59	4.11	4.97	June	4.11
July	1.98	3.52	4.29	July	3.52
August	2.01	2.94	3.50	August	2.94
Sept.	1.34	2.36	2.87	Sept.	2.36
Jun-MAM	9.35	15.65	18.98		
Jul-JMA	13.03	20.98	25.39		
Aug-JJM	13.05	21.88	26.56		
Sep-AJJ	12.58	19.97	24.05		
Oct-SAJ	10.02	16.48	19.90		

NOTE:
Bryant 1 NE NWS Station (SD1102) has not collected data since 2016.
De Smet NWS Station (SD2302) was used for 1938; 1939; 1941; Mar 1952;
Jul, Aug, Sep 2006; 2017-2018.

Rainfall Data
Buffalo Gap
Station #SD1124
Custer County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	1.53	0.95	2.50	1.94	1.48	2.71	0.38	10.93	11.77	10.82	13.03	8.04	NORM	DRY	DRY	NORM	NORM	1980
1981	0.35	0.56	5.67	1.12	5.65	0.94	0.08	18.48	15.26	24.86	15.24	7.77	WET	NORM	WET	NORM	NORM	1981
1982	1.23	1.18	5.74	4.64	2.44	1.40	2.30	20.81	26.58	22.34	13.72	12.14	WET	WET	WET	NORM	NORM	1982
1983	1.03	0.65	2.57	2.50	3.55	0.82	0.30	10.04	13.29	18.22	12.06	6.09	NORM	NORM	NORM	NORM	NORM	1983
1984	1.29	3.71	2.31	4.28	2.03	0.71	0.36	15.64	21.17	16.96	10.47	4.53	NORM	NORM	NORM	NORM	DRY	1984
1985	0.60	1.17	1.08	1.59	2.22	0.39	2.66	6.18	8.10	10.92	7.20	10.98	DRY	DRY	DRY	DRY	NORM	1985
1986	0.78	4.09	1.44	5.27	1.86	1.92	3.78	13.28	22.78	17.56	14.75	17.04	NORM	WET	NORM	NORM	WET	1986
1987	2.31	0.19	6.82	1.06	1.05	1.41	0.90	23.15	17.01	12.09	7.39	6.57	WET	NORM	NORM	DRY	NORM	1987
1988	0.10	0.72	3.46	2.19	1.27	3.74	0.88	11.92	14.21	11.65	15.95	11.39	NORM	NORM	NORM	NORM	NORM	1988
1989	0.99	1.28	1.58	1.23	3.01	2.13	3.13	8.29	8.13	13.07	13.64	16.66	DRY	DRY	NORM	NORM	WET	1989
1990	1.46	1.76	5.20	2.47	1.84	0.79	1.28	20.58	19.57	15.66	8.52	7.26	WET	NORM	NORM	DRY	NORM	1990
1991	0.29	3.18	4.13	5.60	0.50	1.58	0.90	19.04	28.24	16.83	11.34	6.36	WET	WET	NORM	NORM	NORM	1991
1992	1.87	0.74	3.78	3.76	3.90	1.54	1.21	14.69	19.58	23.00	16.18	10.61	NORM	NORM	WET	NORM	NORM	1992
1993	0.72	2.22	1.56	4.80	4.91	3.38	1.61	9.84	19.74	25.89	24.76	16.50	NORM	NORM	WET	WET	WET	1993
1994	0.63	1.02	1.95	2.72	2.02	0.77	0.60	8.52	13.08	13.45	9.07	5.36	DRY	NORM	NORM	NORM	DRY	1994
1995	0.20	1.76	5.93	5.32	3.06	1.45	1.73	21.51	29.58	25.75	15.79	11.15	WET	WET	WET	NORM	NORM	1995
1996	0.95	2.43	5.03	1.18	1.06	4.74	2.66	20.90	16.03	10.57	17.52	18.52	WET	NORM	DRY	WET	WET	1996
1997	0.14	3.23	4.67	3.87	9.23	1.54	0.64	20.61	24.18	40.10	26.95	14.23	WET	WET	WET	WET	WET	1997
1998	2.70	0.37	4.62	4.79	3.57	4.28	4.25	17.30	23.98	24.91	24.77	24.88	NORM	WET	WET	WET	WET	1998
1999	0.47	1.24	2.48	6.37	1.06	4.16	1.47	10.39	25.31	18.40	20.97	13.79	NORM	WET	NORM	WET	WET	1999
2000	0.30	5.69	1.46	1.18	1.17	0.83	1.64	16.06	12.15	7.33	6.01	7.75	NORM	NORM	DRY	DRY	NORM	2000
2001	0.53	1.77	2.80	2.93	2.09	0.79	0.72	12.47	16.16	14.93	9.48	5.83	NORM	NORM	NORM	NORM	NORM	2001
2002	1.64	1.18	1.88	1.07	0.31	2.29	3.33	9.64	8.15	4.95	8.56	14.88	NORM	DRY	DRY	DRY	WET	2002
2003	1.57	1.81	2.84	3.43	0.07	1.15	2.37	13.71	17.78	9.91	7.02	9.48	NORM	NORM	DRY	DRY	NORM	2003
2004	0.53	0.84	1.75	0.88	1.44	0.88	2.89	7.46	6.98	7.83	6.40	11.87	DRY	DRY	DRY	DRY	NORM	2004
2005	0.68	1.7	4.07	2.67	1.65	2.19	0.33	16.29	17.85	14.36	12.54	7.02	NORM	NORM	NORM	NORM	NORM	2005
2006	2.35	1.62	0.97	1.13	1.86	1.10	1.09	8.50	6.95	8.81	8.15	7.33	DRY	DRY	DRY	DRY	NORM	2006
2007	0.80	1.12	1.98	1.00	1.60	2.56	1.00	8.98	8.08	8.78	11.88	9.72	DRY	DRY	DRY	NORM	NORM	2007
2008	0.99	1.81	5.53	2.52	2.97	1.92	1.97	21.20	20.43	19.48	14.22	12.72	WET	NORM	NORM	NORM	NORM	2008
2009	1.43	3.28	1.65	3.73	2.15	2.56	0.83	12.94	17.77	15.56	15.71	9.76	NORM	NORM	NORM	NORM	NORM	2009
2010	0.59	4.57	5.78	6.00	2.56	2.93	1.45	27.07	34.13	25.46	19.91	12.77	WET	WET	WET	WET	NORM	2010
2011	0.99	1.41	5.33	2.04	1.26	2.81	1.17	19.80	18.19	13.19	12.99	10.39	WET	NORM	NORM	NORM	NORM	2011
2012	0.07	1.56	2.84	2.34	2.21	0.13	0.06	11.71	14.26	14.15	7.15	2.65	NORM	NORM	NORM	DRY	DRY	2012
2013	0.48	2.69	1.50	1.61	4.15	2.83	1.29	10.36	10.52	17.17	18.40	13.68	NORM	DRY	NORM	WET	WET	2013
2014	0.48	2.54	2.50	5.00	1.28	1.35	4.16	13.06	22.54	16.34	11.61	16.46	NORM	WET	NORM	NORM	WET	2014
2015	0.23	1.79	8.43	7.15	2.56	0.78	0.42	29.10	40.10	30.41	14.61	5.38	WET	WET	WET	NORM	DRY	2015
2016	1.44	1.93	2.56	1.30	3.81	2.74	1.93	12.98	10.95	16.59	17.14	15.08	NORM	DRY	NORM	NORM	WET	2016
2017	0.98	3.07	2.31	2.85	2.12	0.55	0.95	14.05	16.24	14.37	8.74	6.07	NORM	NORM	NORM	NORM	NORM	2017
2018	1.28	1.50	5.35	3.69	3.03	1.66	1.47	20.33	23.27	21.82	14.73	10.76	WET	WET	WET	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.48	0.93	1.14	March	0.93
April	1.03	1.93	2.36	April	1.93
May	2.30	3.35	3.99	May	3.35
June	2.05	3.15	3.79	June	3.15
July	1.64	2.76	3.34	July	2.76
August	1.10	1.90	2.31	August	1.90
Sept.	0.66	1.50	1.83	Sept.	1.50

Note:

Buffalo Gap NWS Station (SD1124) has not collected data as of 2006.
District average was used for Sep 1996.

Oral NWS Station (SD6304) was used for May-Sep 2000; Mar, May-Sep 2001; Mar, May-Sep 2002; Mar-Jul, Sep 2003; Mar, Apr, Aug, Sep 2004; Mar, May, Jun 2005; Mar, Apr 2006; Jun-Sep 2006; 2007-2018.

Jun-MAM	9.44	14.84	17.83
Jul-JMA	11.78	18.08	21.71
Aug-JJM	11.32	17.93	21.59
Sep-AJJ	8.63	14.37	17.40
Oct-SAJ	5.82	11.06	13.45

Hot Springs NWS Station (SD4007) was used for Apr 2001; Apr 2002; Aug 2003; May 2006.

Rainfall Data
Camp Crook
Station #SD1294
Harding County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1957	0.23	0.77	2.14	3.22	0.82	1.60	1.25	8.19	14.71	11.04	9.66	7.77	NORM	NORM	NORM	NORM	NORM	1957
1978	0.40	1.42	5.82	1.33	3.76	0.46	1.49	20.70	17.05	19.76	10.23	9.15	WET	NORM	WET	NORM	NORM	1978
1980	0.38	0.34	1.52	1.14	0.18	2.81	0.07	5.62	6.80	4.34	9.93	6.01	DRY	DRY	DRY	NORM	NORM	1980
1981	0.00	0.35	1.50	2.44	2.52	1.96	0.71	5.20	10.67	13.94	13.36	8.57	DRY	NORM	NORM	WET	NORM	1981
1982	1.95	0.82	6.93	2.79	2.16	1.94	1.06	24.38	23.05	18.99	12.93	9.22	WET	WET	WET	WET	NORM	1982
1983	0.93	0.25	1.40	1.20	2.54	1.82	0.42	5.63	6.65	11.42	11.74	7.44	DRY	DRY	NORM	NORM	NORM	1983
1984	0.40	2.86	1.24	3.79	0.27	1.07	1.86	9.84	16.71	9.63	7.54	7.99	NORM	NORM	NORM	NORM	NORM	1984
1985	1.05	0.55	1.29	1.48	0.63	0.58	1.36	6.02	7.57	6.14	4.48	5.87	DRY	DRY	DRY	DRY	NORM	1985
1986	0.37	2.63	2.73	2.44	1.31	0.70	4.44	13.82	15.41	11.54	7.16	16.03	NORM	NORM	NORM	NORM	WET	1986
1987	0.91	0.02	3.40	1.57	2.90	2.13	1.07	11.15	11.53	15.24	13.76	10.37	NORM	NORM	NORM	WET	WET	1987
1988	0.19	0.59	1.92	1.84	0.27	0.58	1.11	7.13	9.95	6.41	4.12	4.76	NORM	NORM	DRY	DRY	NORM	1988
1989	1.48	2.46	1.00	2.11	6.02	1.05	1.41	9.40	10.79	23.28	17.30	12.35	NORM	NORM	WET	WET	WET	1989
1990	0.22	1.72	0.38	2.65	1.58	0.70	0.12	4.80	10.43	10.42	7.91	3.34	DRY	NORM	NORM	NORM	DRY	1990
1991	0.33	3.73	3.72	2.05	0.34	1.33	0.87	18.95	17.32	8.84	6.72	5.61	WET	NORM	NORM	NORM	NORM	1991
1992	0.31	1.29	1.41	2.52	3.37	0.61	1.04	7.12	11.67	16.56	11.09	7.71	NORM	NORM	NORM	NORM	NORM	1992
1993	0.21	2.31	1.95	5.21	5.54	0.57	0.03	10.68	21.84	28.99	18.00	6.77	NORM	WET	WET	WET	NORM	1993
1994	0.25	1.25	0.25	1.97	4.68	0.34	1.02	3.50	7.66	18.23	12.35	8.42	DRY	DRY	WET	WET	NORM	1994
1995	0.38	2.61	5.63	2.14	3.00	1.47	0.93	22.49	20.29	18.91	12.55	8.73	WET	WET	WET	WET	NORM	1995
1996	1.01	0.86	6.28	2.04	0.48	0.62	1.27	21.57	19.54	11.80	4.86	5.53	WET	WET	NORM	DRY	NORM	1996
1997	0.11	1.19	1.77	3.17	2.03	1.63	0.65	7.80	14.24	14.20	12.12	7.24	NORM	NORM	NORM	NORM	NORM	1997
1998	1.62	0.25	1.63	3.16	2.38	2.35	1.99	7.01	12.99	15.09	14.97	13.05	NORM	NORM	NORM	WET	WET	1998
1999	0.35	1.75	3.42	5.01	1.04	1.93	1.06	14.11	23.62	16.56	12.88	8.08	NORM	WET	NORM	WET	NORM	1999
2000	0.60	1.04	3.37	1.62	2.41	0.78	0.42	12.79	12.64	13.84	8.78	5.23	NORM	NORM	NORM	NORM	NORM	2000
2001	0.66	1.37	0.88	4.98	3.70	0.29	0.50	6.04	18.07	21.94	13.25	5.78	DRY	WET	WET	WET	NORM	2001
2002	0.33	0.79	0.62	3.13	1.54	0.81	0.66	3.77	11.42	11.50	8.64	5.14	DRY	NORM	NORM	NORM	NORM	2002
2003	2.31	1.22	1.75	1.98	0.21	0.56	3.63	10.00	10.66	6.34	4.08	12.22	NORM	NORM	DRY	DRY	WET	2003
2004	0.73	0.49	2.08	0.70	1.31	4.11	1.31	7.95	6.75	7.41	15.65	13.46	NORM	DRY	DRY	WET	WET	2004
2005	0.28	1.02	2.98	1.93	0.7	3.26	0.94	11.26	12.77	8.94	13.11	10.04	NORM	NORM	NORM	WET	WET	2005
2006	0.14	3.11	1.31	1.57	0.37	1.56	2.19	10.29	10.44	5.56	6.99	10.06	NORM	NORM	DRY	NORM	WET	2006
2007	1.51	1.04	3.83	3.61	1.84	1.08	0.66	15.08	19.53	16.57	10.53	5.98	WET	WET	NORM	NORM	NORM	2007
2008	0.04	1.70	6.72	3.75	2.68	1.67	0.89	23.60	26.39	22.26	14.12	8.69	WET	WET	WET	WET	NORM	2008
2009	2.11	0.95	1.00	3.01	1.44	0.79	0.46	7.01	11.98	11.34	8.26	4.40	NORM	NORM	NORM	NORM	NORM	2009
2010	0.30	1.64	3.82	3.90	4.85	1.99	2.04	15.04	20.98	26.17	19.57	14.95	WET	WET	WET	WET	WET	2010
2011	0.19	1.67	7.26	2.28	1.86	2.31	0.17	25.31	23.03	17.40	12.93	6.99	WET	WET	WET	WET	NORM	2011
2012	0.01	1.34	1.75	1.01	5.05	0.62	0.00	7.94	7.87	18.92	12.97	6.29	NORM	DRY	WET	WET	NORM	2012
2013	0.38	0.91	4.21	1.94	1.77	2.84	1.73	14.83	15.15	13.40	14.00	12.64	WET	NORM	NORM	WET	WET	2013
2014	0.99	1.79	1.13	6.17	0.35	6.30	2.07	7.96	22.56	14.52	25.77	19.16	NORM	WET	NORM	WET	WET	2014
2015	0.54	1.39	3.66	4.95	0.95	2.33	1.16	14.30	23.56	16.41	13.84	9.09	WET	WET	NORM	WET	NORM	2015
2016	0.66	2.11	1.27	0.58	1.53	1.36	0.91	8.69	6.39	7.02	7.72	6.98	NORM	DRY	DRY	NORM	NORM	2016
2017	0.59	3.13	1.26	0.87	1.11	0.68	2.51	10.63	8.26	6.33	5.13	10.00	NORM	DRY	DRY	DRY	WET	2017
2018	1.11	2.06	2.67	3.73	1.42	1.57	1.15	13.24	18.59	14.39	11.28	8.01	NORM	WET	NORM	NORM	NORM	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data	
	Bound	N	Bound			
March	0.31	0.62	0.76		March	0.62
April	0.63	1.43	1.74		April	1.43
May	1.50	2.75	3.35		May	2.75
June	1.87	2.58	3.04		June	2.58
July	0.93	2.05	2.50		July	2.05
August	0.78	1.19	1.43		August	1.19
Sept.	0.43	1.11	1.34		Sept.	1.11
Jun-MAM	6.07	11.73	14.29			
Jul-JMA	9.24	14.67	17.56			
Aug-JJM	8.03	14.06	16.93			
Sep-AJJ	6.07	10.25	12.33			
Oct-SAJ	3.78	7.76	9.38			

NOTE:
Harding 3 SE NWS Station (SD3560) was used for Mar 1978; Aug 1980;
Jun, Jul 1984; May 1985; Apr 2008.

Rainfall Data
Canton
Station #SD1392
Lincoln County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1939	0.22	1.13	2.93	6.81	6.36	3.51	0.95	11.27	27.42	35.63	30.06	16.23	NORM	WET	WET	WET	NORM	1939
1940	2.82	3.91	0.36	9.58	2.02	5.34	2.02	11.72	33.37	25.58	29.64	18.76	NORM	WET	WET	WET	NORM	1940
1941	0.45	4.12	1.65	4.49	0.56	0.88	2.31	13.64	20.89	12.31	8.25	9.25	NORM	NORM	DRY	DRY	NORM	1941
1953	2.31	5.13	3.07	4.07	1.94	4.18	1.96	21.78	23.48	17.03	20.49	16.18	WET	NORM	NORM	NORM	NORM	1953
1956	1.01	2.17	0.67	3.74	3.94	3.04	0.53	7.36	14.73	19.97	20.74	11.61	DRY	NORM	NORM	NORM	NORM	1956
1958	0.91	3.29	0.74	1.96	2.23	0.43	0.78	9.71	10.65	11.35	7.71	5.43	DRY	DRY	DRY	DRY	DRY	1958
1962	2.24	1.49	4.02	5.23	3.97	5.17	1.82	17.28	25.22	26.39	28.68	19.77	NORM	WET	WET	WET	WET	1962
1964	1.90	4.80	3.07	3.19	2.85	3.01	6.06	20.71	20.51	18	17.92	27.05	WET	NORM	NORM	NORM	WET	1964
1966	0.31	1.89	1.41	1.86	2.79	3.24	3.34	8.32	10.29	13.50	17.16	19.29	DRY	DRY	NORM	NORM	NORM	1966
1970	1.45	2.75	2.06	2.79	1.81	0.25	3.58	13.13	15.24	13.07	7.16	13.05	NORM	NORM	NORM	DRY	NORM	1970
1972	0.69	1.63	7.54	2.46	0.87	0.00	0.00	26.57	24.09	15.07	4.2	0.87	WET	WET	NORM	DRY	DRY	1972
1976	0.99	2.03	1.98	0.76	1.62	1.85	1.02	10.99	8.27	8.36	9.55	8.38	NORM	DRY	DRY	DRY	DRY	1976
1980	0.37	0.92	1.41	2.08	1.74	4.82	1.11	6.44	9.98	10.79	20.02	14.71	DRY	DRY	DRY	NORM	NORM	1980
1981	1.70	0.41	1.43	4.09	3.99	2.91	1.00	6.81	15.54	21.58	20.80	12.81	DRY	NORM	NORM	NORM	NORM	1981
1982	0.73	1.26	5.03	1.87	3.34	5.79	2.72	18.34	16.93	18.79	25.92	23.08	NORM	NORM	NORM	WET	WET	1982
1983	3.25	2.39	3.07	10.44	3.85	0.80	0.82	17.24	39.85	35.50	20.54	7.91	NORM	WET	WET	NORM	DRY	1983
1984	1.51	6.00	3.57	7.51	1.58	0.64	0.98	24.22	35.67	23.33	12.59	5.80	WET	WET	NORM	NORM	DRY	1984
1985	1.82	5.25	3.82	2.97	0.87	5.77	4.80	23.78	21.80	12.37	22.02	26.81	WET	NORM	DRY	NORM	WET	1985
1986	1.90	5.49	2.91	3.84	2.13	2.33	6.13	21.61	22.83	16.98	15.09	25.18	WET	NORM	NORM	NORM	WET	1986
1987	3.10	0.48	2.26	2.35	2.86	1.62	2.55	10.84	12.05	15.54	12.93	13.75	NORM	DRY	NORM	NORM	NORM	1987
1988	0.69	3.24	2.42	1.12	0.75	3.98	3.83	14.43	11.44	6.91	14.56	20.20	NORM	DRY	DRY	NORM	WET	1988
1989	0.88	1.59	0.85	2.48	4.78	3.47	2.20	6.61	10.73	20.15	22.45	18.32	DRY	DRY	NORM	NORM	NORM	1989
1990	1.38	1.29	3.81	4.60	2.25	4.62	2.01	15.39	22.71	19.76	22.96	17.52	NORM	NORM	NORM	NORM	NORM	1990
1991	0.92	2.42	4.16	3.60	3.64	1.28	1.99	18.24	21.54	22.28	14.72	12.17	NORM	NORM	NORM	NORM	NORM	1991
1992	1.55	2.10	2.43	2.76	7.85	4.22	3.75	13.04	15.24	31.50	31.12	27.54	NORM	NORM	WET	WET	WET	1992
1993	2.02	1.63	8.84	8.32	7.78	3.47	1.93	31.80	44.27	48.82	34.29	20.51	WET	WET	WET	WET	WET	1993
1994	0.02	2.58	1.43	3.65	1.98	2.04	2.30	9.47	16.39	14.67	13.73	12.96	DRY	NORM	NORM	NORM	NORM	1994
1995	3.26	3.99	4.88	1.53	2.74	4.73	2.33	25.88	18.34	16.16	21.20	19.19	WET	NORM	NORM	NORM	NORM	1995
1996	1.38	0.71	3.59	3.51	1.61	3.01	2.76	13.57	18.42	15.44	15.76	15.91	NORM	NORM	NORM	NORM	NORM	1996
1997	0.11	2.80	3.61	4.07	3.09	1.96	2.06	16.54	22.23	21.02	16.13	13.19	NORM	NORM	NORM	NORM	NORM	1997
1998	3.28	3.82	1.59	4.25	3.10	3.66	0.06	15.69	19.75	19.39	21.43	10.60	NORM	NORM	NORM	NORM	NORM	1998
1999	0.90	3.60	2.82	3.16	3.73	1.03	0.49	16.56	18.72	20.33	13.71	7.26	NORM	NORM	NORM	NORM	DRY	1999
2000	0.41	1.98	3.75	2.27	2.68	1.94	1.10	15.62	16.29	16.33	13.45	9.86	NORM	NORM	NORM	NORM	NORM	2000
2001	0.44	5.76	1.77	2.80	4.71	0.60	2.31	17.27	17.70	21.50	14.02	12.84	NORM	NORM	NORM	NORM	NORM	2001
2002	0.86	2.05	2.84	1.45	4.75	5.54	2.06	13.48	12.08	19.99	27.57	22.01	NORM	DRY	NORM	WET	WET	2002
2003	1.02	2.27	2.78	4.13	4.29	1.14	5.72	13.90	20.22	23.91	16.13	23.73	NORM	NORM	NORM	NORM	WET	2003
2004	2.01	0.98	4.17	1.89	0.79	3.46	4.88	16.48	14.99	10.32	13.85	22.35	NORM	NORM	DRY	NORM	WET	2004
2005	1.05	2.68	5.56	6.14	0.8	1.17	3.42	23.09	32.22	20.24	11.25	13.40	WET	WET	NORM	DRY	NORM	2005
2006	2.65	3.54	0.94	3.36	0.38	2.75	6.97	12.55	15.50	8.80	12.37	26.79	NORM	NORM	DRY	NORM	WET	2006
2007	2.26	3.45	3.07	1.35	0.01	7.99	1.99	18.37	13.64	5.80	25.34	21.96	NORM	NORM	DRY	WET	WET	2007
2008	1.21	2.17	5.16	6.52	4.65	0.68	2.16	21.03	32.05	32.15	17.86	12.49	WET	WET	WET	NORM	NORM	2008
2009	1.25	3.04	0.84	5.48	7.16	3.24	2.09	9.85	21.16	33.28	29.52	19.91	DRY	NORM	WET	WET	WET	2009
2010	1.10	2.35	2.14	6.67	7.92	3.43	6.30	12.22	26.64	39.24	32.80	33.68	NORM	WET	WET	WET	WET	2010
2011	0.84	3.54	5.17	5.09	2.61	1.24	0.34	23.43	29.15	23.18	14.03	6.11	WET	WET	NORM	NORM	DRY	2011
2012	0.84	2.57	6.88	0.68	0.67	1.72	0.82	26.62	18.37	10.25	7.18	6.57	WET	NORM	DRY	DRY	DRY	2012
2013	1.32	3.68	9.37	4.66	2.74	2.48	1.01	36.79	36.40	26.91	17.58	10.73	WET	WET	WET	NORM	NORM	2013
2014	0.54	1.64	2.00	19.75	0.96	3.74	2.21	9.82	64.89	44.38	32.89	15.07	DRY	WET	WET	WET	NORM	2014
2015	0.33	1.11	4.72	3.42	2.47	4.23	3.88	16.71	20.81	18.97	21.05	22.57	NORM	NORM	NORM	NORM	WET	2015
2016	0.47	4.04	3.28	3.37	0.03	2.70	8.68	18.39	20.71	10.11	11.53	31.47	NORM	NORM	DRY	DRY	WET	2016
2017	0.88	2.08	4.17	2.61	1.04	5.66	2.48	17.55	18.25	12.51	21.67	19.80	NORM	NORM	DRY	NORM	WET	2017
2018	2.43	2.06	3.35	11.71	4.49	5.01	7.12	16.60	43.89	40.24	35.72	35.87	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.7	1.53	1.87	March	1.53
April	1.47	2.45	2.97	April	2.45
May	2.12	3.06	3.64	May	3.06
June	2.34	3.68	4.44	June	3.68
July	1.97	3.18	3.85	July	3.18
August	2.00	3.19	3.91	August	3.19
Sept.	1.08	2.14	2.64	Sept.	2.14
Jun-MAM	10.00	15.61	18.73		
Jul-JMA	12.73	19.61	23.57		
Aug-JJM	12.71	19.96	24.07		
Sep-AJJ	12.28	19.61	23.87		
Oct-SAJ	9.21	15.98	19.59		

NOTE:

Beresford NWS Station (SD0669) was used for 2003-2006.

Centerville 6 NE NWS Station (SD1579) was used for Apr-Jun 1972.

Rock Valley NWS Station (IA7152) was used for May 2009; Jun 2016.

Rainfall Data
 Castlewood
 Station #SD1519
 Hamlin County, SD

Portion of the table to be used with the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					
Year	March	April	May	June	July	Aug	Sept	June	July	Aug	Sept	Oct	June	July	Aug	Sept	Oct	Year
1939	0.24	1.90	3.92	4.82	3.42	2.63	0.86	15.80	24.20	23.82	19.55	11.26	NORM	NORM	NORM	NORM	NORM	1939
1940	2.10	1.59	0.55	4.62	1.86	5.66	0.56	6.93	16.55	15.37	25.32	14.86	DRY	NORM	NORM	WET	NORM	1940
1951	1.62	1.43	4.67	5.01	5.35	4.28	0.79	18.49	25.80	30.74	28.55	16.28	WET	WET	WET	WET	NORM	1951
1953	0.60	4.03	2.58	5.72	4.14	0.81	0.18	16.40	26.35	26.44	16.43	6.30	NORM	WET	WET	NORM	DRY	1953
1956	0.87	1.82	2.67	4.61	6.75	6.10	1.07	12.52	20.99	32.14	36.41	22.16	NORM	NORM	WET	WET	WET	1956
1958	0.67	1.47	1.21	3.16	2.54	0.58	1.86	7.24	13.37	15.15	9.98	9.28	DRY	NORM	NORM	DRY	DRY	1958
1964	1.41	2.59	1.82	2.44	2.02	4.82	1.20	12.05	13.55	12.76	20.94	15.26	NORM	NORM	NORM	NORM	NORM	1964
1965	2.09	2.73	7.19	4.26	2.06	2.61	5.78	29.12	29.89	21.89	16.21	24.62	WET	WET	NORM	NORM	WET	1965
1966	0.75	2.16	1.38	2.13	6.78	2.69	1.96	9.21	11.31	25.98	23.76	18.04	NORM	NORM	NORM	WET	NORM	1966
1971	0.07	1.91	1.95	4.49	0.54	3.04	1.62	9.74	19.28	12.55	14.69	11.48	NORM	NORM	NORM	NORM	NORM	1971
1977	4.23	1.82	1.48	5.86	1.41	3.21	5.27	12.31	22.36	17.43	18.31	23.64	NORM	NORM	NORM	NORM	WET	1977
1978	0.97	2.87	5.82	2.50	2.68	6.37	2.22	24.17	22.01	18.86	26.97	22.08	WET	NORM	NORM	WET	WET	1978
1979	1.58	3.19	2.40	3.99	2.74	2.77	0.40	15.16	19.96	18.60	17.78	9.48	NORM	NORM	NORM	NORM	DRY	1979
1980	0.79	0.25	1.44	11.71	2.95	2.94	0.79	5.61	38.26	33.71	26.43	11.20	DRY	WET	WET	WET	NORM	1980
1981	1.24	1.50	0.84	3.17	6.93	1.61	0.76	6.76	12.69	27.97	21.86	12.43	DRY	NORM	WET	NORM	NORM	1981
1982	0.62	0.71	6.53	4.52	3.44	3.23	2.54	21.63	27.33	25.89	21.09	17.52	WET	WET	NORM	NORM	NORM	1982
1983	2.90	0.91	1.92	2.72	1.40	2.08	3.94	10.48	12.91	11.56	11.76	17.38	NORM	NORM	DRY	DRY	NORM	1983
1984	1.62	2.99	3.76	8.25	1.56	1.80	2.40	18.88	35.26	24.94	16.77	12.36	WET	WET	NORM	NORM	NORM	1984
1985	2.15	2.40	1.99	3.60	2.95	3.62	8.03	12.92	17.18	18.04	20.36	34.28	NORM	NORM	NORM	NORM	WET	1985
1986	0.65	6.42	3.68	2.82	5.24	2.35	4.36	24.53	22.24	25.04	20.35	23.02	WET	NORM	NORM	NORM	WET	1986
1987	2.58	0.56	0.95	1.14	7.42	1.96	3.21	6.55	5.88	25.49	21.86	20.97	DRY	DRY	NORM	NORM	WET	1987
1988	0.93	1.10	1.93	0.49	1.97	5.68	2.11	8.92	6.43	8.82	21.47	19.66	NORM	DRY	DRY	NORM	WET	1988
1989	2.28	1.27	0.65	1.57	2.66	2.98	3.19	6.77	7.28	11.77	15.83	18.19	DRY	DRY	DRY	NORM	NORM	1989
1990	1.59	0.94	3.66	8.82	3.71	2.71	0.74	14.45	34.72	32.43	24.37	11.35	NORM	WET	WET	WET	NORM	1990
1991	0.74	3.98	6.28	5.62	1.47	2.33	3.22	27.54	33.40	21.93	15.55	15.79	WET	WET	NORM	NORM	NORM	1991
1992	1.07	1.33	0.51	9.07	4.68	3.20	1.59	5.26	29.56	32.69	28.03	15.85	DRY	WET	WET	WET	NORM	1992
1993	0.80	2.22	3.31	7.65	5.25	1.69	2.44	15.17	31.79	34.36	23.22	15.95	NORM	WET	WET	NORM	NORM	1993
1994	0.29	2.18	1.80	5.01	2.69	3.94	2.42	10.05	20.81	19.89	22.21	17.83	NORM	NORM	NORM	NORM	NORM	1994
1995	2.71	2.97	4.09	2.14	4.53	2.29	3.07	20.92	17.57	21.96	18.07	18.32	WET	NORM	NORM	NORM	NORM	1995
1996	0.35	0.15	4.72	2.85	0.63	2.93	2.80	14.81	18.14	12.31	12.90	14.89	NORM	NORM	NORM	NORM	NORM	1996
1997	0.88	3.00	0.73	2.42	8.24	1.66	2.71	9.07	11.72	30.29	23.88	19.69	NORM	NORM	WET	WET	WET	1997
1998	0.67	1.81	2.67	2.49	4.50	6.26	0.46	12.30	14.62	21.15	30.27	18.40	NORM	NORM	NORM	WET	NORM	1998
1999	0.62	2.32	4.15	8.44	5.14	2.72	1.92	17.71	35.94	36.45	26.88	16.34	WET	WET	WET	WET	NORM	1999
2000	0.66	1.15	4.21	2.59	3.91	1.38	0.74	15.59	17.34	21.12	14.55	8.89	NORM	NORM	NORM	NORM	DRY	2000
2001	2.75	7.48	3.12	6.22	5.85	1.10	3.00	27.07	32.38	33.11	21.22	17.05	WET	WET	WET	NORM	NORM	2001
2002	0.00	0.85	2.22	2.84	2.48	4.92	1.78	8.36	13.81	15.34	22.56	17.66	NORM	NORM	NORM	NORM	NORM	2002
2003	0.39	0.78	1.72	3.15	1.92	2.33	1.88	7.11	13.67	13.78	13.98	12.22	DRY	NORM	NORM	NORM	NORM	2003
2004	0.87	1.78	4.05	2.51	1.99	2.19	8.81	16.58	17.41	15.04	13.06	32.80	NORM	NORM	NORM	NORM	WET	2004
2005	0.08	1.10	4.00	3.18	1.74	4.56	7.34	14.28	18.64	15.58	20.34	32.88	NORM	NORM	NORM	NORM	WET	2005
2006	0.73	1.81	1.57	2.09	1.18	4.41	3.58	9.06	11.22	9.29	17.68	20.74	NORM	NORM	DRY	NORM	WET	2006
2007	4.62	6.09	3.92	3.21	0.48	5.25	3.90	28.56	23.56	11.78	19.92	22.68	WET	NORM	DRY	NORM	WET	2007
2008	1.18	3.33	6.83	3.83	2.28	1.97	2.55	28.33	28.48	21.33	14.30	13.87	WET	WET	NORM	NORM	NORM	2008
2009	5.02	1.61	1.47	3.03	5.27	4.63	1.26	12.65	13.64	23.34	27.46	18.31	NORM	NORM	NORM	WET	NORM	2009
2010	0.21	1.02	2.51	6.08	4.67	2.14	7.35	9.78	24.28	28.68	21.84	31.00	NORM	NORM	WET	NORM	WET	2010
2011	1.30	0.96	5.03	3.15	2.74	0.32	0.39	18.31	20.47	19.55	9.59	4.55	WET	NORM	NORM	DRY	DRY	2011
2012	0.93	3.37	3.61	2.58	0.46	1.95	0.28	18.50	18.33	10.15	9.35	5.20	WET	NORM	DRY	DRY	DRY	2012
2013	0.70	1.75	4.04	4.44	3.58	0.44	2.39	16.32	23.15	23.66	12.92	11.63	NORM	NORM	NORM	NORM	NORM	2013
2014	0.98	1.35	2.33	6.53	1.33	4.31	0.82	10.67	25.60	19.38	22.12	12.41	NORM	WET	NORM	NORM	NORM	2014
2015	0.09	1.70	4.52	4.51	3.45	5.94	1.01	17.05	24.27	23.89	29.23	18.36	NORM	NORM	NORM	WET	NORM	2015
2016	1.22	2.53	3.09	1.46	5.49	7.07	3.24	15.55	13.09	22.48	33.65	29.35	NORM	NORM	NORM	WET	WET	2016
2017	0.65	1.51	2.74	3.97	1.86	4.57	5.04	11.89	18.90	16.26	21.40	26.12	NORM	NORM	NORM	NORM	WET	2017
2018	2.03	1.66	1.52	4.26	3.42	2.73	2.77	9.91	17.48	20.30	19.29	17.19	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data
March	0.72	1.33	1.63	March 1.33
April	1.09	1.99	2.42	April 1.99
May	1.56	2.95	3.60	May 2.95
June	2.33	4.15	5.05	June 4.15
July	1.96	3.41	4.15	July 3.41
August	2.02	2.87	3.40	August 2.87
Sept.	1.26	2.31	2.82	Sept. 2.31
Jun-MAM	7.58	14.16	17.27	
Jul-JMA	11.20	20.34	24.77	
Aug-JJM	12.10	21.48	26.15	
Sep-AJJ	12.31	19.58	23.55	
Oct-SAJ	9.78	16.08	19.41	

NOTE:

Castlewood NWS Station (SD1519) has been replaced with Castlewood No. 2 NWS Station (SD1520) as of 2012.
 Watertown RGNL AP NWS Station (SD946) was used for Mar 1939.
 Bryant 1 NE NWS Station (SD1102) was used for Aug 2001.
 Hayti NWS Station (SD3681) was used for Mar, Apr 2017; Sep 2018.

Rainfall Data
Cedar Butte 1 NE
Station #SD1539
Mellette County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1980	1.06	0.61	0.69	2.51	1.03	2.35	0.75	4.35	9.52	8.80	11.62	7.98	DRY	DRY	DRY	NORM	NORM	1980
1981	0.82	0.35	3.05	2.55	5.24	1.94	0.05	10.67	14.10	23.87	18.85	9.27	NORM	NORM	WET	WET	NORM	1981
1982	1.54	1.10	6.71	4.15	2.72	1.16	1.92	23.87	26.97	23.17	13.07	10.80	WET	WET	WET	NORM	NORM	1982
1983	1.71	2.39	4.68	3.15	2.13	1.29	0.34	20.53	21.20	17.37	11.28	5.73	WET	NORM	NORM	NORM	DRY	1983
1984	1.22	2.44	1.78	3.35	4.74	1.56	1.26	11.44	16.05	22.70	17.51	11.64	NORM	NORM	WET	NORM	NORM	1984
1985	0.49	1.05	0.70	1.98	1.57	2.43	1.99	4.69	8.39	9.37	12.41	12.40	DRY	DRY	DRY	NORM	NORM	1985
1986	2.88	5.41	1.14	6.06	0.84	1.61	2.69	17.12	25.87	15.78	12.57	12.13	NORM	WET	NORM	NORM	NORM	1986
1987	3.30	0.32	4.11	1.10	3.25	2.01	1.24	16.27	11.84	16.06	13.63	10.99	NORM	NORM	NORM	NORM	NORM	1987
1988	1.15	1.01	4.99	5.29	0.86	0.22	1.60	18.14	26.86	18.15	7.67	6.10	NORM	WET	NORM	DRY	NORM	1988
1989	1.12	1.17	1.15	0.66	5.66	1.65	2.85	6.91	5.45	19.45	16.93	17.51	DRY	DRY	NORM	NORM	WET	1989
1990	1.31	1.16	5.81	6.34	2.50	0.54	0.58	21.06	31.80	25.99	12.96	5.32	WET	WET	WET	NORM	DRY	1990
1991	0.57	2.84	5.87	6.97	0.57	2.13	0.73	23.86	35.49	21.52	14.50	7.02	WET	WET	NORM	NORM	NORM	1991
1992	1.91	0.51	1.35	1.52	4.88	2.28	1.34	6.98	7.77	19.03	18.12	13.46	DRY	DRY	NORM	WET	WET	1992
1993	0.44	3.92	1.86	6.45	3.89	1.77	2.71	13.86	26.99	26.43	19.54	15.56	NORM	WET	WET	WET	WET	1993
1994	0.07	1.54	2.39	6.99	2.23	4.69	0.90	10.32	27.29	23.06	25.52	14.31	NORM	WET	WET	WET	WET	1994
1995	1.11	3.03	4.91	4.97	1.83	0.92	1.12	21.90	27.76	20.34	11.39	7.03	WET	WET	NORM	NORM	NORM	1995
1996	2.12	0.71	5.79	1.81	2.00	0.59	3.36	20.91	17.72	15.41	7.58	13.26	WET	NORM	NORM	DRY	WET	1996
1997	0.00	3.57	3.31	5.17	5.44	2.12	0.54	17.07	25.70	29.97	22.41	11.30	NORM	WET	WET	WET	NORM	1997
1998	0.48	1.12	3.01	5.77	6.30	0.45	0.93	11.75	24.45	33.45	19.72	9.99	NORM	WET	WET	WET	NORM	1998
1999	0.57	3.71	3.32	3.38	2.44	3.34	3.08	17.95	20.49	17.40	18.28	18.36	NORM	NORM	NORM	WET	WET	1999
2000	1.53	3.39	1.67	1.66	1.68	1.23	0.56	13.32	11.71	10.03	8.71	5.82	NORM	NORM	DRY	DRY	DRY	2000
2001	0.19	4.53	3.99	2.59	4.01	0.30	2.01	21.22	20.28	21.20	11.51	10.64	WET	NORM	NORM	NORM	NORM	2001
2002	1.49	0.77	1.98	0.72	0.34	3.01	3.05	8.97	6.89	4.44	10.43	15.51	NORM	DRY	DRY	NORM	WET	2002
2003	1.15	2.31	2.33	3.28	3.73	0.26	0.71	12.76	16.81	20.08	11.52	6.38	NORM	NORM	NORM	NORM	NORM	2003
2004	3.63	0.49	3.37	2.00	2.79	1.52	2.87	14.72	13.23	15.74	12.14	14.44	NORM	NORM	NORM	NORM	WET	2004
2005	0.97	4.43	3.78	4.1	2.83	1.28	0.65	21.17	24.29	20.47	13.60	7.34	WET	WET	NORM	NORM	NORM	2005
2006	2.95	2.06	0.58	1.64	0.14	2.94	4.69	8.81	8.14	4.28	10.74	20.09	NORM	DRY	DRY	NORM	WET	2006
2007	2.44	1.96	3.97	3.23	0.28	4.27	2.58	18.27	19.59	11.27	16.60	16.56	NORM	NORM	DRY	NORM	WET	2007
2008	0.51	1.32	4.85	4.45	2.18	0.40	1.94	17.70	24.37	20.29	10.01	8.80	NORM	WET	NORM	NORM	NORM	2008
2009	1.47	2.40	0.90	2.83	4.93	1.89	0.31	8.97	12.69	21.35	18.36	9.64	NORM	NORM	NORM	WET	NORM	2009
2010	2.35	2.80	2.79	4.82	2.97	1.10	1.57	16.32	22.84	21.34	14.06	9.88	NORM	NORM	NORM	NORM	NORM	2010
2011	0.68	1.97	4.75	6.02	2.36	2.53	1.34	18.87	29.53	23.87	18.33	11.44	WET	WET	WET	WET	NORM	2011
2012	0.05	3.52	3.25	2.84	1.03	0.96	0.59	16.84	18.54	12.02	7.78	4.72	NORM	NORM	NORM	DRY	DRY	2012
2013	0.47	2.26	3.50	2.22	1.68	4.74	0.68	15.49	15.92	12.98	19.80	13.20	NORM	NORM	NORM	WET	WET	2013
2014	0.26	2.33	4.50	4.86	0.37	4.10	1.62	18.42	25.91	15.33	17.90	13.43	NORM	WET	NORM	WET	WET	2014
2015	0.24	1.12	6.04	3.06	2.88	3.44	0.94	20.60	22.38	20.80	19.14	12.58	WET	NORM	NORM	WET	NORM	2015
2016	2.65	3.79	1.23	1.95	2.02	1.63	2.38	13.92	12.10	11.19	10.88	12.42	NORM	NORM	DRY	NORM	NORM	2016
2017	1.48	2.35	4.10	1.22	2.40	3.91	2.80	18.48	14.21	13.74	17.75	18.62	WET	NORM	NORM	WET	WET	2017
2018	1.84	1.86	2.10	5.36	1.56	0.95	2.08	11.86	22.14	17.50	11.33	9.70	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.59	1.30	1.60	March	1.30
April	1.12	2.12	2.59	April	2.12
May	1.99	3.22	3.89	May	3.22
June	1.95	3.47	4.22	June	3.47
July	1.80	2.86	3.45	July	2.86
August	1.08	1.78	2.15	August	1.78
Sept.	0.63	1.40	1.71	Sept.	1.40

NOTE:

District average was used for Mar-Jun 1998.

Wood NWS Station (SD9442) was used for Mar 2002; Mar, Sep 2004; Apr 2006; Sep 2007; Jul-Sep 2017; 2018.

Jun-MAM	8.80	15.20	18.45
Jul-JMA	10.95	18.97	23.03
Aug-JJM	11.29	18.74	22.68
Sep-AJJ	8.79	14.53	17.57
Oct-SAJ	5.85	10.62	12.88

Rainfall Data
Centerville 6 SE
Station #SD1579
Clay County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept	Oct	Year
1932	1.77	1.58	5.04	1.68	3.07	4.30	2.58	20.05	16.70	17.61	20.72	19.41	NORM	NORM	NORM	NORM	WET	1932
1937	1.57	4.65	2.44	2.66	0.43	4.29	1.11	18.19	17.51	9.05	16.39	12.34	NORM	NORM	DRY	NORM	NORM	1937
1939	0.87	1.62	1.70	2.15	2.10	2.39	1.25	9.21	11.47	12.30	13.52	10.63	DRY	DRY	DRY	NORM	NORM	1939
1940	2.25	3.92	0.12	8.68	2.43	2.88	1.42	10.45	30.20	24.77	22.18	12.45	DRY	WET	NORM	NORM	NORM	1940
1941	0.89	4.20	1.41	4.76	1.52	0.75	2.36	13.52	21.30	15.49	10.05	10.10	NORM	NORM	NORM	DRY	NORM	1941
1953	1.70	5.08	2.56	3.90	2.84	4.74	1.60	19.54	21.90	18.88	23.80	17.12	NORM	NORM	NORM	WET	NORM	1953
1956	0.71	2.07	2.81	0.54	2.94	1.80	0.60	13.28	9.31	12.71	11.82	8.34	NORM	DRY	DRY	NORM	DRY	1956
1958	0.79	3.46	0.72	1.02	2.98	0.57	2.13	9.87	7.96	11.70	8.69	10.51	DRY	DRY	DRY	DRY	NORM	1958
1962	2.92	2.29	4.37	5.86	5.03	5.07	2.69	20.61	28.61	31.18	31.13	23.24	NORM	WET	WET	WET	WET	1962
1964	2.11	3.77	2.10	6.29	3.02	2.32	3.07	15.95	26.84	23.74	19.29	16.87	NORM	WET	NORM	NORM	NORM	1964
1965	0.64	2.92	6.02	6.87	2.99	3.06	6.75	24.54	35.57	28.73	22.03	29.36	WET	WET	WET	NORM	WET	1965
1966	0.42	1.70	1.20	2.82	6.72	4.20	4.78	7.42	12.56	27.00	28.86	29.46	DRY	DRY	WET	WET	WET	1966
1967	0.07	2.10	1.68	7.56	2.47	3.37	1.02	9.31	28.14	24.21	22.61	12.27	DRY	WET	NORM	NORM	NORM	1967
1968	0.36	3.16	0.92	4.62	6.43	2.16	3.92	9.44	18.86	29.45	23.96	22.51	DRY	NORM	WET	WET	WET	1968
1970	1.45	2.74	3.65	2.48	1.47	0.85	3.18	17.88	17.48	13.02	7.97	12.71	NORM	NORM	DRY	DRY	NORM	1970
1972	0.89	1.63	7.54	2.46	5.35	2.06	2.19	26.77	24.09	28.51	19.34	16.04	WET	NORM	WET	NORM	NORM	1972
1974	0.96	0.65	3.87	3.10	1.76	2.46	0.94	13.87	17.69	15.35	14.00	9.50	NORM	NORM	NORM	NORM	NORM	1974
1976	0.93	2.27	1.96	1.31	1.79	1.05	1.14	11.35	10.12	9.95	8.04	7.31	NORM	DRY	DRY	DRY	DRY	1976
1980	0.30	0.98	2.17	2.12	1.25	6.49	1.09	8.77	11.68	10.16	24.09	17.50	DRY	DRY	DRY	WET	NORM	1980
1981	1.71	0.41	1.66	5.09	5.76	3.77	1.26	7.51	19.00	29.12	27.92	17.08	DRY	NORM	WET	WET	NORM	1981
1982	0.71	1.16	9.34	1.69	3.01	2.66	1.27	31.05	24.91	21.75	15.69	12.14	WET	NORM	NORM	NORM	NORM	1982
1983	2.80	2.00	3.16	11.02	2.95	1.06	2.16	16.28	41.38	34.05	20.10	11.55	NORM	WET	WET	NORM	NORM	1983
1984	1.67	6.43	4.06	7.94	2.06	1.15	1.34	26.71	38.37	26.12	15.51	8.38	WET	WET	WET	NORM	DRY	1984
1985	1.85	4.93	5.53	4.42	0.54	5.05	3.22	28.30	29.25	15.99	20.65	20.30	WET	WET	NORM	NORM	WET	1985
1986	1.89	5.17	4.44	3.38	2.31	2.68	5.26	25.55	24.19	18.13	16.04	23.45	WET	NORM	NORM	NORM	WET	1986
1987	4.15	0.50	3.15	3.58	4.75	1.42	2.67	14.60	17.54	24.56	17.34	15.60	NORM	NORM	NORM	NORM	NORM	1987
1988	0.52	2.65	2.04	1.45	0.83	5.24	4.15	11.94	11.08	7.43	18.83	23.76	NORM	DRY	DRY	NORM	WET	1988
1989	1.15	1.66	1.19	3.20	3.79	1.97	1.61	8.04	13.64	18.96	16.69	12.56	DRY	DRY	NORM	NORM	NORM	1989
1990	1.80	1.90	5.83	5.05	2.87	1.79	1.10	23.09	28.71	24.54	16.16	9.75	WET	WET	NORM	NORM	NORM	1990
1991	1.00	2.73	5.43	3.49	4.07	1.68	1.36	22.75	24.06	24.62	16.67	11.51	WET	NORM	NORM	NORM	NORM	1991
1992	2.25	1.92	2.32	1.89	6.74	4.69	4.17	13.05	12.23	26.32	29.44	28.63	NORM	DRY	WET	WET	WET	1992
1993	1.16	2.51	5.38	5.67	7.12	4.40	1.76	22.32	30.28	38.08	33.11	21.20	WET	WET	WET	WET	WET	1993
1994	0.00	2.47	1.51	4.39	3.39	1.41	2.30	9.47	18.66	20.46	15.40	13.11	DRY	NORM	NORM	NORM	NORM	1994
1995	4.19	4.45	5.23	1.77	3.80	3.22	2.39	28.78	20.22	20.17	19.03	17.41	WET	NORM	NORM	NORM	NORM	1995
1996	0.78	0.49	4.95	3.89	3.87	2.93	5.36	16.61	22.06	24.34	20.42	25.81	NORM	NORM	NORM	NORM	WET	1996
1997	0.37	2.21	3.51	3.60	1.27	2.08	3.47	15.32	20.03	14.52	12.38	15.84	NORM	NORM	NORM	NORM	NORM	1997
1998	3.72	5.23	1.98	5.51	2.78	3.16	0.28	20.12	25.72	21.34	20.55	9.94	NORM	NORM	NORM	NORM	NORM	1998
1999	0.63	4.56	4.00	6.48	3.46	0.58	0.25	21.75	32.00	27.34	15.14	5.37	WET	WET	WET	NORM	DRY	1999
2000	1.29	1.33	2.35	3.68	3.13	2.94	0.54	11.00	17.07	19.10	18.76	10.63	DRY	NORM	NORM	NORM	NORM	2000
2001	0.37	5.16	3.11	1.49	4.51	1.28	3.22	20.02	15.85	19.62	14.35	16.73	NORM	NORM	NORM	NORM	NORM	2001
2002	0.68	2.16	2.51	2.04	2.68	6.25	1.12	12.53	13.30	14.63	26.15	18.54	NORM	DRY	NORM	WET	NORM	2002
2003	1.00	2.88	3.21	5.03	5.04	1.37	5.92	16.39	24.39	28.39	19.22	25.54	NORM	NORM	WET	NORM	WET	2003
2004	2.39	1.32	4.99	2.26	0.99	4.12	5.95	20.00	18.08	12.48	16.60	27.08	NORM	NORM	DRY	NORM	WET	2004
2005	1.32	2.63	3.86	8.67	0.89	1.25	3.79	18.16	36.36	23.87	14.20	14.76	NORM	WET	NORM	NORM	NORM	2005
2006	1.81	3.44	1.51	3.72	0.39	3.23	7.84	13.22	17.62	10.12	14.19	30.37	NORM	NORM	DRY	NORM	WET	2006
2007	1.89	3.04	3.49	2.16	0.00	4.95	1.96	18.44	16.50	7.81	17.01	15.78	NORM	NORM	DRY	NORM	NORM	2007
2008	1.14	2.84	6.30	5.08	2.35	2.33	2.70	25.72	30.68	23.51	16.77	15.11	WET	WET	NORM	NORM	NORM	2008
2009	1.57	1.67	1.03	5.55	4.84	3.04	2.52	8.00	20.38	26.65	24.35	18.48	DRY	NORM	WET	WET	NORM	2009
2010	1.46	1.91	2.15	7.27	8.04	3.62	6.93	11.73	28.02	40.81	34.21	36.07	NORM	WET	WET	WET	WET	2010
2011	0.92	3.51	5.17	4.38	1.06	3.43	0.74	23.45	26.99	17.11	16.79	10.14	WET	WET	NORM	NORM	NORM	2011
2012	0.55	2.27	4.07	0.83	0.32	1.15	0.59	17.30	12.90	6.69	4.92	4.39	NORM	DRY	DRY	DRY	DRY	2012
2013	0.99	3.33	7.27	3.84	0.82	4.00	1.07	29.46	29.39	17.41	17.48	12.03	WET	WET	NORM	NORM	NORM	2013
2014	0.33	1.16	2.48	13.50	1.07	2.96	2.42	10.09	46.62	32.69	24.52	14.25	DRY	WET	WET	WET	NORM	2014
2015	0.32	1.16	3.53	3.56	5.91	7.05	3.64	13.23	18.90	28.38	36.53	30.93	NORM	NORM	WET	WET	WET	2015
2016	1.59	4.16	6.49	1.12	1.84	2.82	7.26	29.38	20.50	14.25	13.26	29.26	WET	NORM	NORM	NORM	WET	2016
2017	1.06	3.38	5.57	2.12	1.35	7.97	2.48	24.53	20.88	13.86	28.73	24.73	WET	NORM	NORM	WET	WET	2017
2018	1.71	2.56	3.83	8.12	3.25	3.59	7.33	18.32	34.58	29.82	25.39	32.42	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.86	1.64	2.02	March	1.64
April	1.43	2.47	3.01	April	2.47
May	2.50	3.65	4.35	May	3.65
June	2.65	3.95	4.72	June	3.95
July	1.89	3.35	4.08	July	3.35
August	1.72	2.83	3.43	August	2.83
Sept.	1.26	2.26	2.75	Sept.	2.26
Jun-MAM	11.22	17.53	21.09		
Jul-JMA	14.38	21.62	25.87		
Aug-JJM	13.47	21.60	26.03		
Sep-AJJ	11.59	19.14	23.17		
Oct-SAJ	9.11	15.79	19.19		

Rainfall Data
Chamberlain 5 S
Station #SD1621
Brule County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1938	2.85	6.96	4.99	2.05	2.12	1.09	1.58	31.74	23.09	15.45	9.56	9.04	WET	NORM	NORM	DRY	NORM	1938
1955	0.11	1.78	1.71	3.21	1.34	1.19	1.13	8.80	14.83	12.15	9.46	7.11	DRY	NORM	DRY	DRY	DRY	1955
1963	0.72	2.44	5.23	1.79	6.88	0.52	4.16	21.29	18.27	29.45	17.11	20.40	WET	NORM	WET	NORM	WET	1963
1968	0.62	6.51	2.92	4.33	0.55	0.91	1.79	22.40	25.34	13.23	8.16	7.74	WET	WET	NORM	DRY	DRY	1968
1969	0.08	0.79	4.33	1.39	3.16	2.60	3.26	14.65	13.62	16.59	15.51	18.14	NORM	DRY	NORM	NORM	WET	1969
1977	4.20	3.59	4.59	1.91	4.52	4.06	4.34	25.15	18.50	21.97	23.13	25.66	WET	NORM	NORM	WET	WET	1977
1980	0.58	0.95	2.46	2.95	0.82	3.99	1.12	9.86	14.72	10.82	16.56	12.16	DRY	NORM	DRY	NORM	NORM	1980
1981	2.81	0.64	1.79	1.58	3.32	3.08	0.26	9.46	8.96	14.91	17.46	10.26	DRY	DRY	NORM	NORM	NORM	1981
1982	1.34	0.96	6.76	2.38	3.55	2.66	2.43	23.54	21.62	22.17	17.46	16.16	WET	NORM	NORM	NORM	NORM	1982
1983	1.99	1.78	3.32	3.95	6.85	1.90	2.30	15.51	20.27	31.77	23.35	17.55	NORM	NORM	WET	WET	WET	1983
1984	1.42	4.49	3.02	6.78	2.17	3.23	1.12	19.46	30.87	23.09	20.81	11.99	NORM	WET	WET	WET	NORM	1984
1985	2.28	2.55	2.74	3.22	2.04	2.79	3.24	15.60	17.69	15.30	15.67	17.34	NORM	NORM	NORM	NORM	WET	1985
1986	1.18	3.47	2.89	2.02	2.08	1.78	3.11	16.79	15.31	13.17	11.52	14.97	NORM	NORM	NORM	NORM	NORM	1986
1987	4.95	1.23	1.96	3.51	3.73	3.52	1.15	13.29	15.68	20.17	21.53	14.22	NORM	NORM	NORM	WET	NORM	1987
1988	0.75	2.70	7.06	1.72	2.16	0.98	3.38	27.33	21.98	16.98	8.98	14.26	WET	NORM	NORM	DRY	NORM	1988
1989	1.71	1.61	1.57	2.57	3.31	2.40	1.61	9.64	12.46	16.64	16.39	12.94	DRY	DRY	NORM	NORM	NORM	1989
1990	1.46	1.49	6.61	2.87	2.61	3.36	0.67	24.27	23.32	20.18	18.17	11.34	WET	NORM	NORM	NORM	NORM	1990
1991	1.08	3.18	4.97	5.13	0.48	1.72	2.03	22.35	28.51	16.67	11.25	10.01	WET	WET	NORM	NORM	NORM	1991
1992	1.16	1.20	0.63	3.88	6.07	3.05	3.05	5.45	14.10	26.60	25.17	21.32	DRY	NORM	WET	WET	WET	1992
1993	1.33	3.25	3.12	5.63	4.77	0.48	2.04	17.19	26.38	28.69	16.61	11.85	NORM	WET	WET	NORM	NORM	1993
1994	0.13	2.74	1.34	5.66	3.55	3.08	1.18	9.63	22.40	23.31	22.00	13.25	DRY	NORM	WET	WET	NORM	1994
1995	2.25	6.17	5.89	3.70	1.08	1.96	3.75	32.26	29.05	16.53	11.74	16.25	WET	WET	NORM	NORM	WET	1995
1996	0.87	0.84	5.40	1.28	2.70	2.06	6.95	18.75	15.48	16.06	12.86	27.67	NORM	NORM	NORM	NORM	WET	1996
1997	0.20	2.86	3.54	3.95	3.10	2.58	1.62	16.54	21.79	20.74	17.89	13.12	NORM	NORM	NORM	NORM	NORM	1997
1998	1.52	2.34	1.74	5.92	3.38	1.72	0.39	11.42	23.58	23.72	17.84	7.99	NORM	NORM	WET	NORM	DRY	1998
1999	0.52	3.66	7.62	4.75	1.25	3.49	2.23	30.70	33.15	20.87	17.72	14.92	WET	WET	NORM	NORM	NORM	1999
2000	0.42	3.14	4.05	2.71	2.52	1.49	0.31	18.85	19.37	17.03	12.22	6.43	NORM	NORM	NORM	NORM	DRY	2000
2001	0.28	7.19	3.55	2.84	2.71	0.20	3.49	25.31	22.81	17.36	8.86	13.58	WET	NORM	NORM	DRY	NORM	2001
2002	1.46	1.37	1.65	2.51	0.84	5.70	1.82	9.15	12.20	9.19	21.29	17.70	DRY	DRY	DRY	WET	WET	2002
2003	0.90	2.79	4.15	5.41	2.27	1.85	0.64	18.93	27.32	21.78	15.50	7.89	NORM	WET	NORM	NORM	DRY	2003
2004	2.23	0.72	3.77	4.31	0.73	1.71	3.76	14.98	21.19	14.58	10.90	15.43	NORM	NORM	NORM	DRY	NORM	2004
2005	1.26	2.62	3.52	8.99	0.92	0.7	2.4	17.06	36.63	24.26	12.93	9.52	NORM	WET	WET	NORM	NORM	2005
2006	1.84	1.49	0.55	1.27	1.00	1.45	4.38	6.47	6.40	6.09	7.62	17.04	DRY	DRY	DRY	DRY	WET	2006
2007	2.49	2.56	5.61	4.09	0.24	8.87	1.59	24.44	26.05	14.51	31.18	22.75	WET	WET	NORM	WET	WET	2007
2008	0.74	2.43	3.30	6.33	3.22	1.36	4.57	15.50	28.02	25.62	16.85	19.65	NORM	WET	WET	NORM	WET	2008
2009	1.85	1.61	0.79	5.06	0.00	5.10	0.27	7.44	18.37	10.91	20.36	11.01	DRY	NORM	DRY	WET	NORM	2009
2010	1.67	3.82	5.50	6.89	6.47	1.25	1.46	25.81	35.49	38.69	23.58	13.35	WET	WET	WET	WET	NORM	2010
2011	0.42	2.39	4.04	6.31	2.10	3.26	0.36	17.32	29.40	22.96	20.29	9.70	NORM	WET	WET	WET	NORM	2011
2012	0.89	3.08	1.37	3.48	0.68	1.31	0.09	11.16	16.26	10.37	8.77	3.57	NORM	NORM	DRY	DRY	DRY	2012
2013	0.64	2.69	4.24	4.90	3.55	1.74	1.65	18.74	25.87	24.69	17.22	11.98	NORM	WET	WET	NORM	NORM	2013
2014	0.29	3.00	1.77	5.32	0.54	5.95	1.13	11.60	22.50	14.03	24.25	15.83	NORM	NORM	NORM	WET	NORM	2014
2015	0.09	0.41	5.98	3.30	7.53	4.45	3.73	18.85	22.27	35.17	31.71	27.62	NORM	NORM	WET	WET	WET	2015
2016	1.02	6.15	4.16	1.85	1.18	1.68	2.17	25.80	20.02	11.40	9.25	11.05	WET	NORM	DRY	DRY	NORM	2016
2017	0.41	3.32	1.21	1.17	2.30	4.28	3.66	10.68	9.25	10.45	18.61	21.84	DRY	DRY	DRY	NORM	WET	2017
2018	1.40	1.12	2.02	4.27	3.26	4.27	3.66	9.70	17.97	20.34	23.60	22.78	DRY	NORM	NORM	WET	WET	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data
	Bound	N	Bound		
March	0.71	1.45	1.77		March 1.45
April	1.62	2.40	2.86		April 2.40
May	2.36	3.62	4.35		May 3.62
June	2.44	3.40	4.02		June 3.40
July	1.93	2.92	3.50		July 2.92
August	1.63	2.28	2.70		August 2.28
Sept.	1.07	1.98	2.42		Sept. 1.98
Jun-MAM	11.03	17.11	20.54		
Jul-JMA	13.66	19.84	23.62		
Aug-JJM	13.03	19.18	22.89		
Sep-AJJ	11.19	16.08	19.12		
Oct-SAJ	8.40	13.42	16.16		

NOTE:

Academy 2 NE NWS Station (SD0043) was used for 1938; 1955; Mar, Apr, Jun-Sep 1963; 1968-1969; 1977; 1980; Apr 2008.
Gann Valley 4 NW NWS Station (SD3217) was used for May 1965.

Rainfall Data
Chester
Station #SD1634
Lake County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	Year
1940	3.84	2.00	0.48	3.76	0.71	4.26	0.83	9.28	14.24	10.13	17.96	11.72	DRY	NORM	DRY	NORM	NORM	1940
1950	1.45	2.34	5.32	1.29	3.42	0.99	4.07	22.09	16.85	18.16	11.10	17.61	WET	NORM	NORM	DRY	NORM	1950
1956	1.17	1.87	2.52	3.27	6.57	3.49	0.56	12.47	16.72	28.77	26.88	15.23	NORM	NORM	WET	WET	NORM	1956
1962	1.44	1.85	4.54	4.72	8.35	2.48	3.37	18.76	25.09	39.03	28.86	23.42	NORM	WET	WET	WET	WET	1962
1964	2.51	3.45	1.90	2.21	3.55	3.62	2.44	15.11	13.88	16.97	20.17	18.11	NORM	NORM	NORM	NORM	NORM	1964
1965	0.98	3.43	5.00	6.48	1.07	0.90	5.01	22.84	32.87	21.17	11.32	17.90	WET	WET	NORM	DRY	NORM	1965
1968	1.34	4.41	2.17	5.69	1.83	1.79	3.28	16.67	25.82	19.04	14.72	15.25	NORM	WET	NORM	NORM	NORM	1968
1971	0.89	1.99	1.49	3.56	2.60	2.60	1.83	9.34	15.65	16.41	16.56	13.29	DRY	NORM	NORM	NORM	NORM	1971
1976	1.45	1.94	0.37	1.79	1.35	0.67	2.00	6.44	8.05	8.00	6.50	8.69	DRY	DRY	DRY	DRY	DRY	1976
1979	2.98	3.37	4.12	3.73	6.66	6.27	3.35	22.08	22.80	31.56	35.86	29.25	WET	NORM	WET	WET	WET	1979
1980	0.86	0.68	1.60	4.03	2.79	5.01	1.52	7.02	15.97	18.03	24.64	17.37	DRY	NORM	NORM	WET	NORM	1980
1981	1.72	1.32	0.89	3.86	3.51	3.75	1.35	7.03	14.68	19.14	22.13	15.06	DRY	NORM	NORM	NORM	NORM	1981
1982	1.35	2.08	5.56	1.78	5.43	4.28	4.43	22.19	18.54	25.41	25.48	27.28	WET	NORM	WET	WET	WET	1982
1983	3.83	2.70	2.17	4.68	1.66	1.91	1.39	15.74	21.08	16.51	13.73	9.65	NORM	NORM	NORM	NORM	DRY	1983
1984	1.66	5.24	3.93	8.40	2.31	0.65	1.30	23.93	38.30	27.66	14.97	7.51	WET	WET	WET	NORM	DRY	1984
1985	3.18	4.65	3.51	1.44	1.76	2.87	4.00	23.01	15.99	11.67	13.57	19.50	WET	NORM	DRY	NORM	NORM	1985
1986	1.73	6.30	3.65	7.07	2.37	4.67	6.40	25.28	34.81	24.90	25.82	30.91	WET	WET	NORM	WET	WET	1986
1987	3.00	0.41	3.00	2.83	7.50	1.74	1.74	12.82	14.90	31.16	23.05	16.20	NORM	NORM	WET	NORM	NORM	1987
1988	0.61	3.40	3.46	1.82	0.79	4.92	2.94	17.79	15.78	9.47	18.16	19.45	NORM	NORM	DRY	NORM	NORM	1988
1989	1.76	1.95	0.96	3.60	2.21	1.33	3.81	8.54	14.67	14.79	12.01	16.30	DRY	NORM	NORM	DRY	NORM	1989
1990	1.43	2.28	4.75	8.37	3.19	2.78	0.56	20.24	36.89	31.06	23.09	10.43	WET	WET	WET	NORM	DRY	1990
1991	0.49	2.14	3.98	4.30	1.63	2.61	4.02	16.71	23.00	17.47	15.39	18.91	NORM	NORM	NORM	NORM	NORM	1991
1992	1.36	1.63	0.96	6.20	6.62	8.10	1.92	7.50	22.15	33.22	43.74	28.58	DRY	NORM	WET	WET	WET	1992
1993	0.97	2.03	5.08	9.18	6.29	3.49	2.13	20.27	39.73	42.31	32.23	19.66	WET	WET	WET	WET	NORM	1993
1994	0.36	1.79	1.33	3.73	1.43	2.28	2.75	7.93	15.64	13.08	13.43	14.24	DRY	NORM	NORM	NORM	NORM	1994
1995	3.11	5.01	4.40	2.06	6.18	5.01	1.87	26.33	19.99	27.06	29.45	21.81	WET	NORM	WET	WET	WET	1995
1996	0.56	0.34	4.01	3.77	1.30	2.49	5.32	13.27	19.67	15.45	13.84	22.24	NORM	NORM	NORM	NORM	WET	1996
1997	1.37	2.25	3.81	2.39	4.33	2.23	4.32	17.30	17.04	21.58	17.74	21.75	NORM	NORM	NORM	NORM	WET	1997
1998	1.63	3.89	1.07	4.10	4.37	2.83	1.35	12.62	18.33	22.38	21.33	14.08	NORM	NORM	NORM	NORM	NORM	1998
1999	1.02	5.06	3.81	5.33	3.39	3.77	1.95	22.57	28.67	24.64	23.42	16.78	WET	WET	NORM	WET	NORM	1999
2000	0.99	2.31	6.47	3.04	2.43	2.84	1.66	25.02	24.37	19.84	16.42	13.09	WET	NORM	NORM	NORM	NORM	2000
2001	0.89	5.70	1.89	3.35	1.89	1.96	2.75	17.96	19.53	14.26	13.01	14.06	NORM	NORM	NORM	NORM	NORM	2001
2002	1.98	1.78	1.38	3.37	0.73	7.29	1.32	9.68	14.65	10.31	26.70	19.27	DRY	NORM	DRY	WET	NORM	2002
2003	0.26	2.82	2.22	4.85	1.77	1.56	3.66	12.56	21.81	17.23	13.07	15.87	NORM	NORM	NORM	NORM	NORM	2003
2004	1.57	1.30	5.16	3.05	6.13	2.76	5.64	19.65	20.77	29.65	23.59	28.57	NORM	NORM	WET	WET	WET	2004
2005	1.04	2.04	4.19	4.18	3.02	2.73	10.03	17.69	22.96	21.61	18.41	38.57	NORM	NORM	NORM	NORM	WET	2005
2006	1.85	2.87	1.36	2.09	0.61	9.33	5.82	11.67	11.86	7.37	31.30	36.73	NORM	DRY	DRY	WET	WET	2006
2007	2.53	5.18	2.10	3.32	0.89	6.84	1.16	19.19	19.34	11.41	25.62	18.05	NORM	NORM	DRY	WET	NORM	2007
2008	1.09	3.07	3.10	2.87	3.64	0.90	1.84	16.53	17.88	19.76	12.85	10.96	NORM	NORM	NORM	NORM	NORM	2008
2009	1.52	2.40	1.47	5.35	4.67	2.17	1.07	10.73	21.39	26.18	21.20	12.22	NORM	NORM	WET	NORM	NORM	2009
2010	0.97	1.99	2.10	6.64	4.43	4.30	7.99	11.25	26.11	28.67	28.40	37.00	NORM	WET	WET	WET	WET	2010
2011	0.55	2.84	4.97	3.50	9.99	2.14	0.13	21.14	23.28	41.94	29.90	14.66	WET	NORM	WET	WET	NORM	2011
2012	0.47	2.68	8.58	1.45	0.36	2.62	1.24	31.57	24.19	12.56	10.03	9.32	WET	NORM	DRY	DRY	DRY	2012
2013	0.93	3.06	3.94	3.14	1.47	2.49	1.11	18.87	20.36	14.63	13.55	9.78	NORM	NORM	NORM	NORM	DRY	2013
2014	1.33	1.69	2.28	8.24	0.73	2.96	1.36	11.55	30.97	20.95	18.58	10.73	NORM	WET	NORM	NORM	NORM	2014
2015	0.27	1.13	3.49	7.95	4.52	3.64	2.69	13.00	31.96	32.95	27.91	19.87	NORM	WET	WET	WET	NORM	2015
2016	1.76	2.62	5.67	3.34	1.89	4.91	2.03	24.01	23.98	18.02	21.85	17.80	WET	NORM	NORM	NORM	NORM	2016
2017	1.11	1.38	4.91	2.02	1.47	4.55	2.93	18.60	17.26	13.36	18.61	19.36	NORM	NORM	NORM	NORM	NORM	2017
2018	2.90	3.81	2.54	6.77	4.88	4.07	7.28	18.14	29.20	30.72	28.74	34.86	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound
March	Interpolated from nearby stations.		
April	Interpolated from nearby stations.		
May	Interpolated from nearby stations.		
June	Interpolated from nearby stations.		
July	Interpolated from nearby stations.		
August	Interpolated from nearby stations.		
Sept.	Interpolated from nearby stations.		
Jun-MAM	10.0	16.6	20.1
Jul-JMA	12.9	20.6	24.9
Aug-JJM	13.0	20.7	24.9
Sep-AJJ	12.6	19.3	23.1
Oct-SAJ	10.5	16.9	20.4

Normals are for 1971-2000 data

NOTE:

Chester NWS Station (SD1634) has not collected data as of 2001.

Chester NWS Station (SD1634) has been replaced with Chester 2 N NWS Station (SD1636) as of 2002.

Wentworth 2 WNW NWS Station (SD9042) was used for 1940; 1950; 1956; 1962; 1964; 1965; 1968; 1971; 1976; Mar-Sep 2001; May 2003; Sep 2004; Mar-May 2005.

Rainfall Data
Clark
Station #SD1739
Clark County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1938	0.94	3.16	3.45	3.18	2.09	1.10	2.00	17.61	19.60	16.08	10.66	10.29	WET	NORM	NORM	DRY	NORM	1938
1939	0.24	0.86	2.95	4.26	2.14	1.54	0.76	10.81	19.54	17.89	13.16	7.50	NORM	NORM	NORM	NORM	DRY	1939
1952	0.47	0.60	0.69	4.13	1.97	1.16	0.37	3.74	14.37	14.86	11.55	5.40	DRY	NORM	NORM	NORM	DRY	1952
1953	0.79	4.31	2.87	7.01	7.67	2.05	1.06	18.02	31.08	39.90	28.50	14.95	WET	WET	WET	WET	NORM	1953
1958	0.63	1.36	1.97	2.26	2.00	0.58	0.81	9.26	12.08	12.49	8.00	5.59	NORM	NORM	NORM	DRY	DRY	1958
1965	1.36	3.85	4.78	3.90	1.76	1.47	4.44	23.40	25.11	17.86	11.83	18.02	WET	WET	NORM	NORM	WET	1965
1971	0.11	2.04	2.59	6.02	0.27	4.26	1.51	11.96	25.28	15.44	19.34	13.32	NORM	WET	NORM	NORM	NORM	1971
1977	3.44	2.79	1.94	5.69	1.57	2.92	3.52	14.84	23.74	18.03	17.59	17.97	NORM	WET	NORM	NORM	WET	1977
1978	0.67	2.30	3.91	2.77	1.94	3.68	1.10	17.00	18.43	15.27	17.69	12.60	WET	NORM	NORM	NORM	NORM	1978
1979	1.86	2.86	1.37	4.69	5.14	3.32	0.21	11.69	19.67	26.17	24.93	12.41	NORM	NORM	WET	WET	NORM	1979
1980	0.64	0.98	0.97	5.06	2.33	4.86	0.71	5.51	18.10	18.08	24.30	14.18	DRY	NORM	NORM	WET	NORM	1980
1981	1.43	0.67	1.81	2.35	4.07	1.03	0.74	8.20	11.34	18.72	13.58	8.35	DRY	DRY	NORM	NORM	DRY	1981
1982	1.36	0.95	4.20	1.52	5.52	2.08	2.58	15.86	13.91	23.80	18.80	17.42	NORM	NORM	NORM	NORM	NORM	1982
1983	2.63	0.38	1.44	3.25	2.25	3.82	2.54	7.71	13.01	14.69	19.21	17.51	DRY	NORM	NORM	NORM	NORM	1983
1984	1.74	2.57	1.68	6.24	2.01	3.72	1.28	11.92	24.65	20.19	21.42	13.29	NORM	WET	NORM	NORM	NORM	1984
1985	1.75	1.32	2.09	2.26	6.26	4.45	4.84	10.66	12.28	25.39	28.13	29.68	NORM	NORM	WET	WET	WET	1985
1986	0.78	6.68	2.57	3.82	2.68	3.47	5.79	21.85	23.28	18.25	19.59	26.99	WET	WET	NORM	NORM	WET	1986
1987	2.94	0.33	2.28	0.86	3.15	3.99	1.29	10.44	7.47	13.45	19.13	15.00	NORM	DRY	NORM	NORM	NORM	1987
1988	0.72	1.18	2.94	1.11	0.94	3.35	4.31	11.90	10.39	7.98	13.04	20.57	NORM	DRY	DRY	NORM	WET	1988
1989	1.23	1.91	2.87	2.18	2.19	2.64	1.00	13.66	14.19	13.80	14.48	10.47	NORM	NORM	NORM	NORM	NORM	1989
1990	1.60	1.92	2.56	5.95	2.07	1.03	0.89	13.12	24.89	20.67	13.18	6.80	NORM	WET	NORM	NORM	DRY	1990
1991	0.32	5.06	4.92	7.54	2.23	2.80	2.24	25.20	37.52	26.69	20.40	14.55	WET	WET	WET	NORM	NORM	1991
1992	0.92	1.46	0.49	5.54	5.43	2.57	2.14	5.31	19.06	27.86	24.11	16.99	DRY	NORM	WET	WET	NORM	1992
1993	1.04	2.06	3.88	9.87	5.94	3.55	1.96	16.80	39.43	41.44	32.40	18.92	WET	WET	WET	WET	WET	1993
1994	0.53	2.50	2.14	4.48	6.51	4.91	1.73	11.95	20.22	30.63	32.23	21.52	NORM	NORM	WET	WET	WET	1994
1995	3.06	2.69	3.85	2.20	6.45	1.92	2.45	19.99	16.99	27.60	20.86	17.64	WET	NORM	WET	NORM	NORM	1995
1996	0.40	0.24	5.00	1.54	1.33	1.69	3.78	15.88	14.86	12.07	9.27	16.05	NORM	NORM	NORM	DRY	NORM	1996
1997	1.58	2.00	1.27	2.46	7.74	1.62	1.59	9.39	11.92	29.41	22.80	15.75	NORM	NORM	WET	WET	NORM	1997
1998	0.60	2.60	4.66	2.97	3.43	2.66	0.05	19.78	20.83	20.89	17.81	8.90	WET	NORM	NORM	NORM	NORM	1998
1999	0.64	1.82	4.39	6.74	1.82	4.58	2.89	17.45	30.82	23.33	24.12	19.65	WET	WET	NORM	WET	WET	1999
2000	0.37	1.23	2.94	2.86	2.91	1.81	0.69	11.65	15.69	17.39	14.11	8.60	NORM	NORM	NORM	NORM	NORM	2000
2001	0.44	5.78	2.39	4.66	2.68	0.58	3.78	19.17	24.54	19.75	11.76	15.18	WET	WET	NORM	NORM	NORM	2001
2002	0.94	1.12	2.11	2.71	2.89	5.09	0.73	9.51	13.47	16.20	23.76	15.26	NORM	NORM	NORM	WET	NORM	2002
2003	0.28	1.35	3.12	2.80	1.95	2.22	1.78	12.34	15.99	14.57	13.36	11.73	NORM	NORM	NORM	NORM	NORM	2003
2004	2.34	1.79	4.78	3.98	3.23	1.14	5.74	20.26	23.29	22.43	13.86	22.73	WET	WET	NORM	NORM	WET	2004
2005	0.12	0.89	2.54	5.84	2.7	2.63	3.1	9.52	23.49	22.32	19.13	17.26	NORM	WET	NORM	NORM	NORM	2005
2006	2.45	1.41	0.61	2.06	0.69	3.69	5.83	7.10	8.81	6.80	14.51	25.56	DRY	DRY	DRY	NORM	WET	2006
2007	2.55	2.58	9.09	3.64	0.09	4.99	2.83	34.98	31.68	16.64	18.79	18.56	WET	WET	NORM	NORM	WET	2007
2008	1.15	1.82	1.85	4.67	4.99	1.25	3.40	10.34	19.53	26.16	18.40	17.69	NORM	NORM	WET	NORM	NORM	2008
2009	0.90	1.13	1.66	2.97	5.87	3.29	3.20	8.14	13.36	25.21	24.58	22.05	DRY	NORM	WET	WET	WET	2009
2010	1.20	1.98	3.15	5.31	5.10	1.84	5.79	14.61	24.21	29.07	21.03	26.15	NORM	WET	WET	NORM	WET	2010
2011	1.26	2.28	3.43	3.39	4.79	1.49	0.76	16.11	19.31	24.58	17.44	10.05	NORM	NORM	WET	NORM	NORM	2011
2012	0.55	3.93	2.69	2.57	0.80	1.97	0.12	16.48	17.02	10.23	10.08	5.10	NORM	NORM	DRY	DRY	DRY	2012
2013	0.68	2.15	4.09	5.14	3.22	0.73	3.74	17.25	25.75	24.03	13.77	15.90	WET	WET	NORM	NORM	NORM	2013
2014	0.57	2.26	2.55	4.43	1.04	2.88	0.68	12.74	20.65	14.53	15.15	8.84	NORM	NORM	NORM	NORM	NORM	2014
2015	0.09	0.90	5.16	3.65	3.84	4.19	0.53	17.37	22.17	23.98	23.90	13.81	WET	NORM	NORM	WET	NORM	2015
2016	0.16	2.63	2.56	1.31	2.94	3.68	2.54	13.10	11.68	14.00	18.23	17.92	NORM	NORM	NORM	NORM	NORM	2016
2017	0.55	1.28	1.74	5.84	1.83	3.31	5.76	8.33	22.28	18.91	19.43	25.73	NORM	NORM	NORM	NORM	WET	2017
2018	0.29	1.45	1.99	2.12	3.20	3.25	2.28	9.16	11.79	15.83	18.27	16.54	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound
March	0.73	1.31	1.59
April	1.13	1.98	2.41
May	1.75	2.86	3.46
June	2.33	3.75	4.53
July	1.55	3.14	3.84
August	2.04	2.90	3.43
Sept.	0.92	1.99	2.42
Jun-MAM	8.24	13.85	16.79
Jul-JMA	11.62	18.95	22.92
Aug-JJM	11.06	19.78	24.04
Sep-AJJ	11.55	18.73	22.50
Oct-SAJ	8.39	14.91	17.96

Normals are for 1971-2000 data

March 1.31
April 1.98
May 2.86
June 3.75
July 3.14
August 2.90
Sept. 1.99

NOTE:
Clark NWS Station (SD1739) was renamed to Clark No. 2 NWS Station (SD1740) as of 2012.

Rainfall Data
Clear Lake
Station #SD1777
Deuel County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1939	0.71	1.31	2.54	5.78	7.18	4.21	1.10	10.95	23.73	35.64	32.77	18.90	NORM	NORM	WET	WET	NORM	1939
1951	2.73	2.70	3.81	4.31	4.36	5.90	0.84	19.56	23.25	25.51	30.73	18.68	WET	NORM	NORM	WET	NORM	1951
1958	0.73	2.75	1.57	3.48	2.42	1.80	3.06	10.94	16.33	15.79	13.72	15.20	NORM	NORM	NORM	NORM	NORM	1958
1965	2.26	3.13	7.45	2.68	2.38	3.57	4.60	30.87	26.07	19.95	18.15	23.32	WET	WET	NORM	NORM	WET	1965
1971	0.03	1.77	1.77	6.72	3.78	2.63	1.03	8.88	25.47	26.55	22.17	12.13	DRY	NORM	NORM	NORM	NORM	1971
1974	1.07	1.75	4.39	2.90	1.56	3.07	0.66	17.74	19.23	14.87	15.23	9.68	NORM	NORM	NORM	NORM	DRY	1974
1977	5.29	1.94	2.10	4.36	2.34	4.50	5.60	15.47	19.22	17.84	22.54	28.14	NORM	NORM	NORM	NORM	WET	1977
1978	1.12	3.37	4.87	2.83	2.14	4.87	2.51	22.47	21.60	16.95	21.72	19.41	WET	NORM	NORM	NORM	NORM	1978
1979	1.75	3.02	2.48	4.01	2.62	6.04	0.66	15.23	20.01	18.36	27.37	16.68	NORM	NORM	NORM	WET	NORM	1979
1980	0.69	0.13	2.54	7.97	2.72	4.64	0.78	8.57	29.12	26.64	27.33	14.34	DRY	WET	WET	WET	NORM	1980
1981	1.41	1.26	1.21	4.16	2.96	1.13	0.75	7.56	16.16	18.41	13.47	7.47	DRY	NORM	NORM	NORM	DRY	1981
1982	1.14	1.43	5.33	2.65	6.80	3.73	2.60	19.99	20.04	31.03	27.44	22.06	WET	NORM	WET	WET	WET	1982
1983	4.09	1.46	1.63	3.23	2.48	1.64	2.62	11.90	14.41	15.53	13.11	13.62	NORM	NORM	NORM	DRY	NORM	1983
1984	2.06	3.28	2.56	7.92	1.18	1.09	3.55	16.30	32.16	21.94	13.55	14.01	NORM	WET	NORM	NORM	NORM	1984
1985	3.09	2.35	2.94	2.43	5.03	4.33	5.30	16.61	15.52	22.89	25.48	29.59	NORM	NORM	NORM	WET	WET	1985
1986	1.35	5.85	4.15	3.42	5.85	2.34	4.43	25.50	24.41	28.54	22.14	23.82	WET	NORM	WET	NORM	WET	1986
1987	2.20	0.70	1.42	1.35	4.93	1.95	2.78	7.86	7.59	18.91	17.06	17.17	DRY	DRY	NORM	NORM	NORM	1987
1988	1.08	1.21	1.74	0.48	2.27	6.34	2.34	8.72	6.13	9.51	24.04	21.97	DRY	DRY	DRY	NORM	WET	1988
1989	2.95	1.82	1.10	1.89	2.48	4.66	3.15	9.89	9.69	12.32	20.83	21.25	NORM	DRY	DRY	NORM	WET	1989
1990	1.53	1.44	3.88	8.46	5.10	3.02	1.12	16.05	34.58	36.10	27.72	14.50	NORM	WET	WET	WET	NORM	1990
1991	1.15	4.67	4.38	5.82	3.03	3.59	2.45	23.63	30.89	25.11	22.65	17.56	WET	WET	NORM	NORM	NORM	1991
1992	1.41	2.00	1.39	16.12	4.10	2.73	2.08	9.58	53.14	45.93	32.51	15.80	NORM	WET	WET	WET	NORM	1992
1993	1.92	2.67	4.99	8.41	5.51	2.14	2.85	22.23	37.88	38.34	25.85	18.34	WET	WET	WET	WET	NORM	1993
1994	0.57	3.02	1.89	6.84	2.70	4.27	3.07	12.28	27.32	23.67	25.05	20.45	NORM	WET	NORM	WET	NORM	1994
1995	3.95	5.05	4.37	1.58	5.45	1.86	4.14	27.16	18.53	23.88	18.06	21.59	WET	NORM	NORM	NORM	WET	1995
1996	0.40	0.77	5.47	1.94	1.88	2.95	2.96	18.35	17.53	14.99	14.55	16.66	NORM	NORM	NORM	NORM	NORM	1996
1997	1.58	2.83	1.14	1.49	7.27	4.49	1.59	10.66	9.58	25.93	29.50	21.02	NORM	DRY	NORM	WET	WET	1997
1998	1.67	0.70	3.53	4.95	2.04	2.63	0.38	13.66	22.61	19.55	16.92	8.44	NORM	NORM	NORM	NORM	DRY	1998
1999	0.79	2.19	4.76	6.23	3.20	1.98	6.27	19.45	30.40	26.82	18.57	25.97	WET	WET	WET	NORM	WET	1999
2000	0.81	1.08	3.79	2.21	3.48	1.13	1.16	14.34	15.29	18.65	12.56	9.22	NORM	NORM	NORM	DRY	DRY	2000
2001	0.44	6.16	0.54	6.52	4.29	1.52	2.23	14.38	26.80	26.45	19.66	14.02	NORM	WET	NORM	NORM	NORM	2001
2002	2.21	2.38	1.85	2.21	2.00	4.34	1.11	12.52	12.71	12.27	19.23	14.01	NORM	NORM	DRY	NORM	NORM	2002
2003	0.68	2.28	2.77	3.05	2.73	1.00	2.01	13.55	16.97	17.06	11.51	10.76	NORM	NORM	NORM	DRY	DRY	2003
2004	0.87	1.73	4.69	3.10	2.65	5.38	8.85	18.40	20.41	18.84	24.54	39.96	NORM	NORM	NORM	NORM	WET	2004
2005	0.39	2.29	4.74	4.52	1.83	3.33	5.07	19.19	25.33	19.27	18.17	23.70	WET	NORM	NORM	NORM	WET	2005
2006	1.39	2.69	2.49	2.60	1.10	4.72	7.44	14.24	15.47	10.99	18.96	32.86	NORM	NORM	DRY	NORM	WET	2006
2007	2.97	4.60	2.87	3.72	1.88	3.91	2.29	20.78	21.50	15.95	19.21	16.57	WET	NORM	NORM	NORM	NORM	2007
2008	1.10	3.35	3.49	4.27	2.95	0.92	1.25	18.27	23.14	20.88	12.93	8.54	NORM	NORM	NORM	DRY	DRY	2008
2009	3.74	1.14	1.10	3.92	4.94	2.57	1.97	9.32	15.10	23.76	21.51	15.99	NORM	NORM	NORM	NORM	NORM	2009
2010	0.82	1.11	3.17	6.69	4.23	2.84	7.38	12.55	27.52	29.24	23.67	32.05	NORM	WET	WET	NORM	WET	2010
2011	1.67	1.73	5.41	4.20	5.13	0.62	0.25	21.36	25.15	29.20	16.32	7.12	WET	NORM	WET	NORM	DRY	2011
2012	1.27	3.82	4.89	2.55	0.55	2.72	0.40	23.58	21.25	11.64	11.81	7.19	WET	NORM	DRY	DRY	DRY	2012
2013	1.38	2.38	3.96	8.93	2.49	0.61	2.00	18.02	37.09	29.29	15.74	9.71	NORM	WET	WET	NORM	DRY	2013
2014	3.44	2.94	2.33	6.09	1.25	3.57	0.75	16.31	25.87	18.26	19.30	10.64	NORM	NORM	NORM	NORM	DRY	2014
2015	0.48	1.65	4.38	3.86	4.27	8.60	0.63	16.92	21.99	24.91	38.20	23.36	NORM	NORM	NORM	WET	WET	2015
2016	1.57	2.95	3.14	1.69	4.97	6.32	3.92	16.89	14.30	21.43	30.59	29.37	NORM	NORM	NORM	WET	WET	2016
2017	1.60	1.53	4.96	3.24	3.00	6.49	3.34	19.54	21.17	20.44	28.71	26.00	WET	NORM	NORM	WET	WET	2017
2018	2.99	2.43	1.38	5.10	3.46	2.93	4.65	11.99	20.49	21.96	20.81	23.27	NORM	NORM	NORM	NORM	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.92	1.79	2.19	March	1.79
April	1.28	2.25	2.74	April	2.25
May	1.89	3.12	3.78	May	3.12
June	2.15	4.27	5.22	June	4.27
July	2.37	3.46	4.12	July	3.46
August	2.17	3.12	3.71	August	3.12
Sept.	1.39	2.44	2.97	Sept.	2.44
Jun-MAM	9.15	15.65	19.01		
Jul-JMA	11.51	21.30	25.96		
Aug-JJM	13.30	22.04	26.58		
Sep-AJJ	13.40	20.55	24.59		
Oct-SAJ	10.88	17.02	20.45		

NOTE:

Castlewood NWS Station (SD1519) was used for Mar, Jun 1999.

Rainfall Data
Colton
Station #SD1851
Minnehaha County, SD

Portion of the table to be used with the PrecipCategories tool.

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	Year
1937	1.36	5.19	3.96	3.20	2.63	5.06	1.48	23.62	22.71	18.25	23.64	17.19	WET	NORM	NORM	NORM	NORM	1937
1953	1.86	5.23	2.71	5.35	2.31	4.26	2.51	20.45	26.70	20.34	22.75	18.36	WET	WET	NORM	NORM	NORM	1953
1958	0.95	2.55	0.81	1.48	3.52	0.61	2.11	8.48	8.61	14.33	10.35	11.07	DRY	DRY	NORM	DRY	NORM	1958
1962	1.72	1.70	6.07	3.98	5.50	2.77	3.58	23.33	25.78	30.53	23.29	21.78	WET	NORM	WET	NORM	WET	1962
1965	1.09	3.35	7.29	4.91	1.49	1.29	4.91	29.66	32.66	21.58	11.76	18.80	WET	WET	NORM	DRY	NORM	1965
1968	0.61	4.34	2.69	4.10	2.37	1.70	4.01	17.36	22.02	18.00	13.94	17.80	NORM	NORM	NORM	NORM	NORM	1968
1976	1.16	1.25	2.00	2.51	6.45	0.94	2.40	9.66	12.78	26.37	18.23	15.53	NORM	NORM	NORM	NORM	NORM	1976
1979	2.85	2.82	4.43	3.73	3.97	4.59	2.85	21.78	22.87	23.80	25.44	21.70	WET	NORM	NORM	WET	WET	1979
1980	0.67	0.66	1.64	3.80	2.27	4.59	0.60	6.91	15.34	16.05	22.11	13.25	DRY	NORM	NORM	NORM	NORM	1980
1981	1.81	1.63	0.57	2.88	3.43	3.47	1.37	6.78	11.41	16.62	20.15	14.48	DRY	DRY	NORM	NORM	NORM	1981
1982	1.39	1.84	6.27	1.33	6.00	6.70	4.72	23.88	18.37	26.93	33.43	33.56	WET	NORM	WET	WET	WET	1982
1983	3.75	2.23	2.53	4.33	1.63	2.58	1.75	15.80	20.28	16.08	15.33	12.04	NORM	NORM	NORM	NORM	NORM	1983
1984	1.42	4.97	2.94	8.36	1.44	1.30	0.80	20.18	35.93	23.98	15.14	6.44	WET	WET	NORM	NORM	DRY	1984
1985	2.83	5.06	3.91	1.65	2.41	3.26	3.02	24.68	17.83	14.44	16.25	17.99	WET	NORM	NORM	NORM	NORM	1985
1986	1.63	6.50	3.82	7.99	3.02	3.84	8.91	26.09	38.11	28.86	25.55	37.43	WET	WET	WET	WET	WET	1986
1987	3.71	0.38	3.57	2.56	8.02	2.68	2.03	15.18	15.20	32.75	26.64	19.47	NORM	NORM	WET	WET	NORM	1987
1988	0.66	3.46	3.86	1.54	3.32	4.89	3.34	19.16	15.80	16.90	22.85	23.12	WET	NORM	NORM	NORM	WET	1988
1989	1.32	1.94	1.07	3.56	2.25	1.89	3.53	8.41	14.76	14.94	13.73	16.62	DRY	NORM	NORM	NORM	NORM	1989
1990	1.44	2.80	4.31	6.85	3.63	3.95	0.42	19.97	31.97	28.90	25.96	12.79	WET	WET	WET	WET	NORM	1990
1991	0.48	2.12	4.91	7.22	3.22	2.37	3.20	19.45	33.60	29.01	20.77	17.56	WET	WET	WET	NORM	NORM	1991
1992	2.09	2.25	1.10	5.68	9.30	6.34	2.08	9.89	21.49	40.36	43.30	28.22	NORM	NORM	WET	WET	WET	1992
1993	2.11	2.11	6.71	9.29	8.79	2.60	2.60	26.46	43.40	51.66	34.67	21.79	WET	WET	WET	WET	WET	1993
1994	0.22	4.02	1.74	4.35	1.27	1.40	3.36	13.48	20.55	14.25	11.09	14.15	NORM	NORM	NORM	DRY	NORM	1994
1995	2.85	7.19	5.87	2.15	5.20	4.16	3.69	34.84	25.38	25.77	25.03	24.59	WET	NORM	NORM	WET	WET	1995
1996	0.62	0.35	5.18	2.30	1.49	3.97	3.53	16.86	17.61	14.25	17.19	20.02	NORM	NORM	NORM	NORM	NORM	1996
1997	0.70	2.13	4.49	2.32	2.32	1.68	3.43	18.43	18.07	16.09	12.00	15.97	NORM	NORM	NORM	DRY	NORM	1997
1998	2.33	4.01	1.25	3.42	3.79	4.90	1.81	14.10	16.77	19.46	25.70	19.02	NORM	NORM	NORM	WET	NORM	1998
1999	0.92	5.53	4.21	4.24	4.67	1.41	1.39	24.61	26.67	26.70	17.81	11.66	WET	WET	WET	NORM	NORM	1999
2000	1.01	3.57	7.44	3.08	2.75	5.17	2.10	30.47	27.69	21.85	24.09	19.39	WET	WET	NORM	NORM	NORM	2000
2001	0.76	6.68	2.25	4.51	2.90	0.46	2.16	20.87	24.71	19.97	11.69	10.30	WET	NORM	NORM	DRY	DRY	2001
2002	1.80	1.98	1.60	2.72	1.57	9.24	2.19	10.56	13.34	11.75	33.58	26.62	NORM	NORM	DRY	WET	WET	2002
2003	0.29	2.86	2.89	5.35	2.53	1.51	3.74	14.68	24.69	21.18	14.94	16.77	NORM	NORM	NORM	NORM	NORM	2003
2004	2.03	1.28	8.10	6.00	1.17	3.79	5.08	28.89	35.48	23.61	19.71	23.99	WET	WET	NORM	NORM	WET	2004
2005	1.91	2.76	3.34	3.86	2.65	1.44	9.45	17.45	21.02	19.01	13.48	33.88	NORM	NORM	NORM	NORM	WET	2005
2006	2.13	4.85	1.28	1.63	0.46	6.38	4.42	15.67	12.30	5.92	21.69	26.48	NORM	NORM	DRY	NORM	WET	2006
2007	4.84	1.78	2.79	6.55	0.88	9.64	1.91	16.77	27.01	18.53	37.23	25.89	NORM	WET	NORM	WET	WET	2007
2008	0.87	2.06	2.12	3.17	3.05	0.74	1.12	11.35	15.81	17.61	11.49	7.89	NORM	NORM	NORM	DRY	DRY	2008
2009	0.82	2.56	1.18	6.62	3.20	2.11	0.63	9.48	24.78	24.02	19.35	9.31	NORM	NORM	NORM	NORM	DRY	2009
2010	0.90	2.07	2.15	10.04	4.58	5.05	6.59	11.49	36.49	35.97	34.35	34.45	NORM	WET	WET	WET	WET	2010
2011	0.43	3.20	6.52	3.76	6.77	1.76	0.23	26.39	27.52	34.35	22.58	10.98	WET	WET	WET	NORM	NORM	2011
2012	0.27	3.24	7.32	0.95	0.40	3.50	0.89	28.71	20.73	10.42	12.25	10.07	WET	NORM	DRY	DRY	DRY	2012
2013	0.88	0.58	3.65	4.12	2.05	2.42	1.64	12.99	20.24	18.04	15.48	11.81	NORM	NORM	NORM	NORM	NORM	2013
2014	0.86	0.63	2.45	9.96	0.69	5.42	1.80	9.47	35.41	24.44	27.60	16.93	NORM	WET	NORM	WET	NORM	2014
2015	0.00	0.92	3.31	0.57	8.09	3.86	2.16	11.77	9.25	28.72	28.33	22.29	NORM	DRY	WET	WET	WET	2015
2016	2.11	2.84	5.05	2.44	2.32	2.65	2.12	22.94	20.26	16.89	15.03	13.98	WET	NORM	NORM	NORM	NORM	2016
2017	0.45	1.47	3.60	2.08	2.44	3.98	2.13	14.19	14.91	15.08	18.90	16.79	NORM	NORM	NORM	NORM	NORM	2017
2018	1.72	6.66	2.20	8.19	3.43	3.52	5.74	21.64	35.63	28.87	25.61	27.69	WET	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.95	1.64	1.99	March	1.79
April	1.76	2.97	3.61	April	2.25
May	2.38	3.64	4.38	May	3.12
June	2.58	3.93	4.71	June	4.27
July	2.31	3.61	4.35	July	3.46
August	2.27	3.23	3.83	August	3.12
Sept.	1.63	2.66	3.22	Sept.	2.44
Jun-MAM	9.2	15.7	19.0		
Jul-JMA	11.5	21.3	26.0		
Aug-JJM	13.3	22.0	26.6		
Sep-AJJ	13.4	20.6	24.6		
Oct-SAJ	10.9	17.0	20.5		

NOTE:
Sioux Falls Foss FLD NWS Station (SD7667) was used for 1953; 1958; 1962; 1965; 1968; 1976; Mar-Jun 2004.
Montrose 8 N NWS Station (SD5738) was used for Aug 2011.

Rainfall Data
Columbia 8 N
Station #SD1873
Brown County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1951	0.62	0.77	2.13	3.47	3.07	2.01	0.47	8.55	15.44	18.28	15.64	8.50	NORM	NORM	NORM	NORM	NORM	1951
1952	0.45	0.29	0.82	3.23	1.11	0.72	0.18	3.49	11.62	10.61	7.61	3.09	DRY	NORM	DRY	DRY	DRY	1952
1955	0.05	0.96	2.30	4.39	2.55	2.60	0.55	8.87	18.73	18.73	17.29	9.40	NORM	NORM	NORM	NORM	NORM	1955
1958	0.00	2.10	1.98	2.70	1.69	0.68	0.23	10.14	14.16	12.45	8.12	3.74	NORM	NORM	NORM	DRY	DRY	1958
1965	1.00	3.18	3.02	3.35	3.04	2.45	2.60	16.42	19.27	18.84	16.78	15.74	WET	NORM	NORM	NORM	NORM	1965
1971	0.07	1.45	2.62	3.84	1.72	1.27	1.32	10.83	18.21	15.46	11.09	8.22	NORM	NORM	NORM	NORM	NORM	1971
1978	0.73	2.00	3.44	7.04	1.67	3.29	0.00	15.05	30.00	22.53	20.25	8.25	NORM	WET	WET	WET	NORM	1978
1979	1.57	2.49	2.15	4.05	3.11	0.61	0.41	13.00	18.94	19.58	12.10	5.56	NORM	NORM	NORM	NORM	DRY	1979
1980	0.54	0.58	2.52	2.40	1.08	4.71	1.03	9.26	12.82	10.56	18.69	13.59	NORM	NORM	DRY	NORM	NORM	1980
1981	0.78	1.21	1.71	3.19	5.69	2.78	1.18	8.33	14.20	25.16	22.91	14.79	NORM	NORM	WET	WET	NORM	1981
1982	4.19	0.62	2.57	1.56	3.41	0.72	2.08	13.14	10.44	15.92	10.54	11.09	NORM	NORM	NORM	NORM	NORM	1982
1983	2.99	0.67	1.65	3.88	5.09	3.00	0.85	9.28	15.61	24.68	23.06	13.64	NORM	NORM	WET	WET	NORM	1983
1984	1.49	2.92	1.20	6.22	1.57	2.25	0.85	10.93	23.98	18.35	16.11	8.62	NORM	WET	NORM	NORM	NORM	1984
1985	1.13	0.46	3.74	2.11	2.31	2.79	2.29	13.27	14.27	14.89	15.10	14.76	NORM	NORM	NORM	NORM	NORM	1985
1986	0.48	9.60	3.16	3.25	4.52	3.28	3.16	29.16	25.67	23.22	22.13	20.56	WET	WET	WET	WET	WET	1986
1987	2.38	0.28	2.10	1.28	3.87	1.73	0.92	9.24	8.32	16.27	14.21	10.09	NORM	DRY	NORM	NORM	NORM	1987
1988	0.26	0.10	3.03	1.19	3.97	2.70	5.09	9.55	9.73	17.32	17.23	24.64	NORM	DRY	NORM	NORM	WET	1988
1989	1.50	2.88	0.87	1.70	2.01	2.83	2.44	9.87	9.72	10.30	14.21	14.99	NORM	DRY	DRY	NORM	NORM	1989
1990	1.10	2.66	1.78	4.90	1.57	4.31	2.13	11.76	20.92	16.29	20.97	16.58	NORM	WET	NORM	WET	WET	1990
1991	0.69	3.68	5.52	3.59	1.62	1.63	0.62	24.61	25.49	17.56	11.72	6.74	WET	WET	NORM	NORM	DRY	1991
1992	0.80	0.47	2.84	4.01	3.46	2.49	5.05	10.26	18.18	21.24	18.40	23.59	NORM	NORM	NORM	NORM	WET	1992
1993	0.53	1.32	2.35	6.05	5.80	2.60	1.02	10.22	24.17	31.85	25.45	14.06	NORM	WET	WET	WET	NORM	1993
1994	0.36	1.81	1.21	0.69	5.01	2.60	1.70	7.61	6.30	17.62	18.51	15.31	DRY	DRY	NORM	NORM	NORM	1994
1995	1.86	1.61	4.00	1.55	3.32	2.95	1.48	17.08	14.26	17.06	17.04	13.66	WET	NORM	NORM	NORM	NORM	1995
1996	0.76	0.38	4.54	3.12	1.14	1.31	3.99	15.14	18.82	14.20	9.33	15.73	NORM	NORM	NORM	DRY	NORM	1996
1997	0.69	2.07	1.57	2.21	3.54	0.52	1.33	9.54	11.84	16.61	10.85	8.57	NORM	NORM	NORM	NORM	NORM	1997
1998	1.61	2.01	4.93	5.56	1.07	4.21	0.13	20.42	28.55	19.26	20.33	9.88	WET	WET	NORM	WET	NORM	1998
1999	1.08	1.13	2.76	4.31	3.63	1.91	8.27	11.62	19.58	22.27	17.30	32.26	NORM	NORM	WET	NORM	WET	1999
2000	4.70	1.45	2.41	2.53	7.39	1.83	0.77	14.83	13.86	29.64	22.80	13.36	NORM	NORM	WET	WET	NORM	2000
2001	0.18	3.25	3.29	2.81	5.81	0.68	1.82	16.55	18.26	26.34	16.47	12.63	WET	NORM	WET	NORM	NORM	2001
2002	0.37	0.85	1.24	0.45	3.58	3.48	1.17	5.79	4.68	12.88	18.05	14.05	DRY	DRY	NORM	NORM	NORM	2002
2003	0.17	2.52	4.75	7.74	1.83	1.52	1.44	19.46	35.24	25.72	15.96	9.19	WET	WET	WET	NORM	NORM	2003
2004	1.85	0.51	8.99	2.62	2.76	3.45	3.82	29.84	26.35	22.51	18.49	21.12	WET	WET	WET	NORM	WET	2004
2005	0.06	0.62	3.44	8.05	3.56	2.58	1.69	11.62	31.65	30.22	22.91	13.79	NORM	WET	WET	WET	NORM	2005
2006	1.54	2.45	2.43	1.80	0.83	4.10	2.58	13.73	12.71	8.52	15.76	16.77	NORM	NORM	DRY	NORM	WET	2006
2007	1.59	3.41	11.23	3.70	3.35	3.20	2.25	42.10	36.97	28.68	20.00	16.50	WET	WET	WET	WET	NORM	2007
2008	1.01	0.86	1.85	3.11	5.22	2.76	3.87	8.28	13.89	23.73	21.83	22.35	NORM	NORM	WET	WET	WET	2008
2009	1.21	1.11	0.84	5.12	5.61	7.22	3.28	5.95	18.15	27.91	38.00	29.89	DRY	NORM	WET	WET	WET	2009
2010	1.31	1.51	4.85	2.98	4.43	1.93	4.92	18.88	20.15	24.10	17.63	23.05	WET	NORM	WET	NORM	WET	2010
2011	1.05	2.38	3.05	4.55	7.93	1.46	0.68	14.96	22.13	35.94	24.79	12.89	NORM	WET	WET	WET	NORM	2011
2012	0.34	3.09	1.19	1.84	3.13	2.28	0.09	10.09	10.99	14.26	14.94	7.96	NORM	NORM	NORM	NORM	NORM	2012
2013	0.26	1.55	3.73	5.37	2.59	0.21	3.86	14.55	25.12	22.24	11.18	14.59	NORM	WET	WET	NORM	NORM	2013
2014	0.38	2.92	1.59	5.47	0.68	5.86	0.74	10.99	22.51	14.57	24.41	14.62	NORM	WET	NORM	WET	NORM	2014
2015	0.32	0.41	7.55	2.47	2.53	4.18	0.60	23.79	22.92	20.08	20.07	12.69	WET	WET	NORM	WET	NORM	2015
2016	0.42	3.91	1.47	2.43	5.90	2.67	0.67	12.65	14.14	24.03	22.24	13.25	NORM	NORM	WET	WET	NORM	2016
2017	0.24	1.53	1.31	2.23	0.83	2.15	2.97	7.23	10.84	8.26	10.34	14.04	DRY	NORM	DRY	NORM	NORM	2017
2018	1.85	1.25	0.65	3.58	4.89	2.18	2.77	6.30	13.29	22.48	19.90	17.56	DRY	NORM	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.69	1.42	1.73	March	1.42
April	0.82	1.80	2.20	April	1.80
May	1.83	2.78	3.33	May	2.78
June	1.85	3.19	3.87	June	3.19
July	1.70	2.95	3.58	July	2.95
August	1.56	2.31	2.76	August	2.31
Sept.	0.81	1.99	2.47	Sept.	1.99
Jun-MAM	7.82	13.36	16.12		
Jul-JMA	10.03	16.93	20.47		
Aug-JJM	10.63	18.01	21.81		
Sep-AJJ	9.93	16.02	19.31		
Oct-SAJ	7.25	13.54	16.51		

NOTE:
Westport 2 NW NWS Station (SD9138) was used for Apr-Sep 2018.

Rainfall Data
Conde
Station #SD1917
Spink County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches									Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-		June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1938	0.45	2.81	2.70	3.40	3.74	1.27	3.24		14.17	18.41	20.72	14.69	16.00	NORM	NORM	NORM	NORM	NORM	1938
1939	0.06	0.62	1.94	4.35	1.72	1.22	0.82		7.12	17.55	15.80	11.45	6.62	NORM	NORM	NORM	NORM	DRY	1939
1952	0.78	0.25	0.36	5.62	2.39	1.67	0.08		2.36	17.83	18.77	15.41	5.97	DRY	NORM	NORM	NORM	DRY	1952
1953	0.60	3.47	2.68	7.06	4.78	4.37	0.20		15.58	30.01	31.14	29.73	14.12	NORM	WET	WET	WET	NORM	1953
1958	0.38	1.20	1.71	1.73	3.36	0.63	0.35		7.91	9.81	15.25	10.34	5.67	NORM	NORM	NORM	DRY	DRY	1958
1965	0.75	3.45	6.16	3.74	1.87	1.54	3.42		26.13	26.99	19.25	12.10	15.21	WET	WET	NORM	NORM	NORM	1965
1971	0.00	1.22	1.75	5.21	0.82	2.45	1.27		7.69	20.35	14.63	14.20	9.53	NORM	WET	NORM	NORM	NORM	1971
1972	1.30	1.56	8.81	0.85	3.80	0.81	0.47		30.85	21.73	21.91	10.88	6.83	WET	WET	WET	NORM	DRY	1972
1977	3.42	1.54	1.82	4.38	1.32	4.75	2.79		11.96	18.32	14.54	21.27	19.19	NORM	NORM	NORM	WET	WET	1977
1978	0.45	1.74	4.21	2.46	2.81	2.63	0.31		16.56	17.54	17.56	15.97	9.00	WET	NORM	NORM	NORM	NORM	1978
1979	1.65	2.11	1.36	3.09	4.78	3.57	0.02		9.95	14.10	21.88	23.36	11.98	NORM	NORM	WET	WET	NORM	1979
1980	0.50	1.24	1.26	4.46	2.17	3.54	0.56		6.76	17.14	16.69	19.42	10.93	DRY	NORM	NORM	NORM	NORM	1980
1981	1.24	0.85	1.45	2.13	1.85	1.69	0.73		7.29	10.14	11.26	10.90	7.42	NORM	NORM	NORM	NORM	NORM	1981
1982	1.22	0.82	4.67	2.21	2.77	2.18	2.27		16.87	16.79	17.40	14.29	13.94	WET	NORM	NORM	NORM	NORM	1982
1983	2.08	0.53	1.32	4.42	4.92	2.82	1.82		7.10	16.43	24.92	22.72	16.02	NORM	NORM	WET	WET	NORM	1983
1984	1.46	2.24	1.56	8.54	2.61	3.78	0.77		10.62	30.98	26.47	25.10	12.48	NORM	WET	WET	WET	NORM	1984
1985	0.83	0.65	2.54	1.88	1.90	2.62	2.83		9.75	11.37	12.00	13.54	15.63	NORM	NORM	NORM	NORM	NORM	1985
1986	0.35	7.02	2.11	3.98	2.77	2.99	3.83		20.72	23.18	18.38	18.49	20.24	WET	WET	NORM	NORM	WET	1986
1987	2.93	0.49	1.71	0.84	2.13	1.53	1.12		9.04	6.43	9.78	9.69	8.55	NORM	DRY	NORM	DRY	NORM	1987
1988	0.41	0.85	4.23	0.93	1.72	3.08	3.69		14.80	12.10	11.25	13.61	18.95	NORM	NORM	NORM	NORM	WET	1988
1989	1.77	3.50	0.81	1.53	0.68	3.19	2.59		11.20	9.71	5.91	12.46	14.83	NORM	NORM	DRY	NORM	NORM	1989
1990	1.74	1.52	1.98	5.94	2.69	1.94	1.58		10.72	23.30	21.93	17.14	11.31	NORM	WET	WET	NORM	NORM	1990
1991	0.57	6.30	6.91	3.24	1.60	3.26	2.38		33.90	29.84	18.19	16.22	15.26	WET	WET	NORM	NORM	NORM	1991
1992	0.78	0.52	0.40	9.79	3.87	1.39	1.10		3.02	30.69	31.59	21.70	9.95	DRY	WET	WET	WET	NORM	1992
1993	0.91	1.50	3.08	4.26	9.29	5.18	1.12		13.15	20.44	39.47	38.38	23.01	NORM	WET	WET	WET	WET	1993
1994	0.30	2.52	1.02	0.62	5.29	4.62	1.07		8.40	6.42	18.13	25.06	17.74	NORM	DRY	NORM	WET	WET	1994
1995	2.88	3.60	4.01	2.23	4.15	2.99	1.80		22.11	18.31	20.92	19.50	15.53	WET	NORM	NORM	NORM	NORM	1995
1996	0.83	0.05	3.71	2.33	1.10	0.59	2.94		12.06	14.46	11.67	6.30	11.10	NORM	NORM	NORM	DRY	NORM	1996
1997	0.50	2.60	1.60	1.04	13.66	2.45	2.51		10.50	8.92	44.66	35.71	26.09	NORM	DRY	WET	WET	WET	1997
1998	1.13	4.51	5.65	3.79	2.54	3.03	0.03		27.10	27.18	20.85	17.96	8.69	WET	WET	NORM	NORM	NORM	1998
1999	1.04	2.35	3.48	4.73	2.26	4.08	5.90		16.18	23.50	19.72	21.49	28.12	WET	WET	NORM	WET	WET	1999
2000	0.58	1.12	2.03	2.98	2.41	1.97	0.53		8.91	14.12	15.22	13.71	7.94	NORM	NORM	NORM	NORM	NORM	2000
2001	0.16	4.34	2.38	4.45	3.66	1.05	2.19		15.98	22.45	22.26	14.92	12.33	NORM	WET	WET	NORM	NORM	2001
2002	0.78	1.07	1.65	1.95	2.77	4.91	0.41		7.87	10.22	13.86	22.22	13.82	NORM	NORM	NORM	WET	NORM	2002
2003	0.85	2.32	4.64	5.56	1.78	1.03	0.95		19.41	28.28	21.10	12.21	6.69	WET	WET	NORM	NORM	DRY	2003
2004	2.26	1.25	4.44	3.92	4.69	1.54	4.52		18.08	21.89	26.35	17.92	21.33	WET	WET	WET	NORM	WET	2004
2005	0.19	0.73	2.38	9.51	2.07	5.57	3.91		8.79	34.02	27.61	30.36	24.94	NORM	WET	WET	WET	WET	2005
2006	1.45	2.45	2.20	2.20	0.53	3.31	2.86		12.95	13.45	8.19	13.19	15.73	NORM	NORM	DRY	NORM	NORM	2006
2007	1.45	3.12	10.56	5.81	0.09	1.64	3.20		39.37	41.67	22.45	10.91	12.97	WET	WET	WET	NORM	NORM	2007
2008	0.17	0.71	1.88	5.27	4.91	0.93	5.52		7.23	20.28	27.15	17.88	23.33	NORM	WET	WET	NORM	WET	2008
2009	1.21	1.61	2.21	3.40	5.32	2.27	3.14		11.06	16.23	24.97	20.85	19.28	NORM	NORM	WET	WET	WET	2009
2010	1.62	2.97	3.42	5.26	3.59	1.02	5.43		17.82	25.59	24.71	15.50	21.92	WET	WET	WET	NORM	WET	2010
2011	1.16	3.59	3.71	3.94	2.85	0.80	0.29		19.47	22.83	20.14	12.04	5.32	WET	NORM	NORM	NORM	DRY	2011
2012	0.37	4.28	2.83	1.07	1.87	1.81	0.04		17.42	13.15	10.58	10.24	5.61	WET	NORM	NORM	DRY	DRY	2012
2013	0.59	1.59	3.24	5.20	3.98	0.91	1.78		13.49	23.67	25.58	15.89	11.14	NORM	WET	WET	NORM	NORM	2013
2014	1.04	1.08	2.44	8.21	0.66	3.26	0.66		10.52	30.59	20.84	19.31	9.16	NORM	WET	NORM	NORM	NORM	2014
2015	0.19	0.34	6.43	1.43	4.07	3.71	0.10		20.16	17.49	21.50	20.70	11.79	WET	NORM	NORM	WET	NORM	2015
2016	0.30	1.79	2.65	1.71	1.22	3.73	1.02		11.83	12.22	9.73	15.34	11.74	NORM	NORM	NORM	NORM	NORM	2016
2017	0.79	1.46	1.34	4.67	1.32	1.95	4.21		7.73	18.15	14.64	13.16	17.85	NORM	NORM	NORM	NORM	WET	2017
2018	1.23	0.71	1.06	2.27	2.73	1.25	2.91		5.83	9.64	13.79	11.48	13.96	DRY	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound
March	0.6	1.17	1.42
April	0.92	1.95	2.38
May	1.49	2.70	3.29
June	1.79	2.98	3.62
July	1.48	3.07	3.75
August	1.94	2.70	3.19
Sept.	0.65	1.70	2.08
Jun-MAM	6.91	13.17	16.05
Jul-JMA	9.27	16.29	19.82
Aug-JJM	9.51	17.87	21.78
Sep-AJJ	10.57	17.22	20.69
Oct-SAJ	7.31	13.57	16.37

Normals are for 1971-2000 data

March	1.17
April	1.95
May	2.70
June	2.98
July	3.07
August	2.70
Sept.	1.70

NOTE:

Conde NWS Station (SD1917) has not collected data as of 2008.

Raymond 3 NE NWS Station (SD7007) was used for 1938; 1939; Mar 1971; Apr, Jul, Aug 1972; Jun 1983; May 1985; Jun-Jul 1986.

Turton NWS Station (SD8420) was used for 2008-2018.

Rainfall Data
Cottonwood 2 E
Station #SD1972
Jackson County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.94	1.02	0.49	2.90	2.00	1.68	0.60	4.45	10.70	12.29	11.94	7.16	DRY	NORM	NORM	NORM	NORM	1980
1981	0.14	0.17	2.50	4.56	4.49	2.98	0.12	7.98	18.85	25.09	22.48	10.81	NORM	NORM	WET	WET	WET	1981
1982	1.83	0.55	7.18	2.58	3.12	1.55	1.63	24.47	22.65	21.70	13.47	11.11	WET	WET	WET	NORM	WET	1982
1983	1.25	1.08	4.16	2.22	1.30	0.85	0.30	15.89	16.06	12.50	7.37	3.90	NORM	NORM	NORM	NORM	DRY	1983
1984	0.59	2.24	3.15	6.57	1.36	1.02	0.44	14.52	28.25	20.37	12.35	4.72	NORM	WET	WET	NORM	NORM	1984
1985	1.22	0.79	0.72	1.95	1.89	1.58	1.43	4.96	8.08	10.29	10.47	9.34	DRY	DRY	NORM	NORM	NORM	1985
1986	1.82	5.43	2.26	3.84	1.93	2.80	2.82	19.46	21.47	15.73	16.10	15.99	WET	WET	NORM	WET	WET	1986
1987	1.96	0.41	3.62	1.33	1.59	0.94	0.38	13.64	11.64	11.05	7.33	4.61	NORM	NORM	NORM	NORM	NORM	1987
1988	0.90	0.62	2.94	4.09	1.56	1.13	0.56	10.96	18.77	15.80	10.60	5.50	NORM	NORM	NORM	NORM	NORM	1988
1989	1.42	1.21	1.41	0.92	1.07	0.19	3.48	8.07	6.79	6.46	3.63	11.89	NORM	DRY	DRY	DRY	WET	1989
1990	1.62	0.59	2.93	1.87	2.83	0.86	0.55	11.59	12.06	15.16	10.11	6.20	NORM	NORM	NORM	NORM	NORM	1990
1991	0.26	2.33	6.83	5.85	0.22	1.45	0.76	25.41	33.54	19.19	10.64	5.40	WET	WET	NORM	NORM	NORM	1991
1992	1.66	0.93	1.15	5.73	4.17	1.01	0.42	6.97	20.42	25.12	17.10	7.45	DRY	NORM	WET	WET	NORM	1992
1993	0.30	1.86	2.67	4.72	4.54	1.39	1.80	12.03	21.36	25.73	17.97	12.72	NORM	WET	WET	WET	WET	1993
1994	0.26	1.79	0.83	1.92	2.04	3.03	0.69	6.33	9.21	10.79	15.09	10.17	DRY	DRY	NORM	NORM	NORM	1994
1995	1.30	1.90	5.20	2.69	1.17	0.11	0.83	20.70	20.37	14.09	5.36	3.88	WET	NORM	NORM	DRY	DRY	1995
1996	0.89	1.28	5.11	1.15	1.98	0.99	3.13	18.78	14.95	13.35	8.08	13.35	WET	NORM	NORM	NORM	WET	1996
1997	0.50	2.70	3.34	6.32	6.44	1.99	0.67	15.92	28.34	35.30	25.17	12.43	NORM	WET	WET	WET	WET	1997
1998	2.73	0.23	3.04	3.42	2.31	3.73	0.85	12.31	16.57	16.81	19.23	12.32	NORM	NORM	NORM	WET	WET	1998
1999	0.75	2.49	2.39	4.05	0.51	2.10	2.47	12.90	19.42	12.02	11.37	12.12	NORM	NORM	NORM	NORM	WET	1999
2000	1.38	3.59	1.01	2.10	1.61	0.28	0.20	11.59	11.91	10.04	6.16	2.77	NORM	NORM	NORM	DRY	DRY	2000
2001	0.50	2.80	1.66	2.21	4.58	1.09	0.97	11.08	12.75	19.82	14.64	9.67	NORM	NORM	WET	NORM	NORM	2001
2002	1.27	1.08	1.95	0.35	0.91	1.82	3.46	9.28	6.03	5.38	7.63	14.93	NORM	DRY	DRY	NORM	WET	2002
2003	1.41	2.02	1.60	2.01	0.44	0.46	0.89	10.25	11.25	6.94	4.27	4.03	NORM	NORM	DRY	DRY	DRY	2003
2004	1.22	0.27	1.65	1.88	1.29	0.66	3.96	6.71	9.21	9.28	6.44	14.49	DRY	DRY	DRY	DRY	WET	2004
2005	1.12	3.16	4.12	2.52	1.19	0.78	1.19	19.80	18.96	12.73	7.24	6.32	WET	NORM	NORM	NORM	NORM	2005
2006	1.80	2.05	0.49	0.93	0.58	2.39	2.25	7.37	5.82	4.09	9.26	12.11	DRY	DRY	DRY	NORM	WET	2006
2007	1.83	1.47	2.31	1.59	0.57	2.33	1.15	11.70	10.86	7.20	9.72	8.68	NORM	NORM	DRY	NORM	NORM	2007
2008	0.59	1.38	5.55	3.84	3.93	1.63	0.58	20.00	24.00	25.02	16.59	8.93	WET	WET	WET	WET	NORM	2008
2009	1.63	2.08	0.31	2.13	2.88	1.18	0.31	6.72	9.09	13.21	11.43	6.17	DRY	DRY	NORM	NORM	NORM	2009
2010	1.08	2.31	2.81	3.99	4.01	1.08	1.18	14.13	19.90	22.82	15.25	9.71	NORM	NORM	WET	WET	NORM	2010
2011	0.44	1.77	5.09	1.66	2.23	0.86	0.45	19.25	16.93	15.10	8.70	5.30	WET	NORM	NORM	NORM	NORM	2011
2012	0.02	2.05	1.22	4.52	0.78	1.40	0.00	7.78	18.05	12.60	10.28	3.58	NORM	NORM	NORM	NORM	DRY	2012
2013	0.56	2.89	3.40	2.28	0.78	3.02	0.53	16.54	16.53	10.30	12.90	8.41	WET	NORM	NORM	NORM	NORM	2013
2014	0.27	1.24	2.33	4.11	0.81	2.82	2.10	9.74	18.23	12.98	14.19	12.75	NORM	NORM	NORM	NORM	WET	2014
2015	0.10	0.80	6.90	6.79	0.96	3.05	0.89	22.40	34.97	23.36	17.86	9.73	WET	WET	WET	WET	NORM	2015
2016	1.52	3.12	0.94	1.05	2.42	2.60	0.11	10.58	8.15	10.30	13.69	7.95	NORM	DRY	NORM	NORM	NORM	2016
2017	0.76	2.30	1.08	3.14	1.59	0.37	1.24	8.60	13.88	12.13	7.43	6.05	NORM	NORM	NORM	NORM	NORM	2017
2018	1.50	1.65	3.38	4.45	0.65	0.90	0.97	14.94	21.76	14.23	8.45	5.36	NORM	WET	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1961-1990 data	
March	0.54	1.15	1.40	March	1.15
April	0.90	1.71	2.09	April	1.71
May	1.69	2.95	3.59	May	2.95
June	1.85	3.07	3.72	June	3.07
July	1.31	2.26	2.74	July	2.26
August	0.84	1.63	1.99	August	1.63
Sept.	0.39	1.12	1.35	Sept.	1.12
Jun-MAM	7.41	13.42	16.35		
Jul-JMA	9.83	16.82	20.43		
Aug-JJM	9.32	15.87	19.25		
Sep-AJJ	6.99	12.48	15.17		
Oct-SAJ	4.16	8.88	10.77		

Rainfall Data
Custer
Station #SD2087
Custer County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	1.03	1.46	2.34	3.28	3.99	2.24	0.61	10.97	15.98	20.87	17.98	10.30	NORM	NORM	NORM	NORM	NORM	1980
1981	0.54	1.08	6.35	0.75	3.12	2.02	0.41	21.75	16.03	17.21	13.05	8.39	WET	NORM	NORM	NORM	NORM	1981
1982	1.08	1.12	5.06	5.81	4.15	2.52	3.64	18.50	28.67	29.13	21.67	20.11	WET	WET	WET	WET	WET	1982
1983	1.00	0.58	3.58	1.33	2.33	3.81	0.75	12.90	11.73	13.23	17.42	12.20	NORM	NORM	NORM	NORM	NORM	1983
1984	0.00	2.75	2.09	5.23	5.96	1.65	1.01	11.77	22.62	30.43	22.10	12.29	NORM	WET	WET	WET	NORM	1984
1985	1.63	0.69	1.34	1.11	2.38	0.74	3.33	7.03	6.70	10.70	8.09	13.85	DRY	DRY	DRY	DRY	NORM	1985
1986	0.71	3.30	1.85	4.86	1.13	1.66	4.17	12.86	21.58	14.96	12.10	16.96	NORM	NORM	NORM	NORM	WET	1986
1987	1.43	0.32	3.74	1.10	1.77	1.34	0.79	13.29	11.10	11.25	8.66	6.82	NORM	DRY	DRY	DRY	DRY	1987
1988	0.99	1.18	2.38	2.13	2.03	2.02	0.31	10.49	12.33	12.73	12.25	7.00	NORM	NORM	NORM	NORM	DRY	1988
1989	1.01	1.56	2.01	1.87	2.20	1.27	4.85	10.16	11.19	12.35	10.08	19.29	NORM	DRY	NORM	DRY	WET	1989
1990	1.99	2.31	3.56	1.00	4.85	1.50	1.36	17.29	12.43	20.11	15.20	11.93	NORM	NORM	NORM	NORM	NORM	1990
1991	1.08	2.67	7.54	4.14	1.96	2.93	0.45	29.04	30.17	21.70	16.85	9.17	WET	WET	NORM	NORM	NORM	1991
1992	2.38	0.69	2.68	3.12	3.13	1.54	0.47	11.80	15.41	18.31	14.00	7.62	NORM	NORM	NORM	NORM	NORM	1992
1993	1.11	1.98	3.00	5.95	2.92	2.03	1.17	14.07	25.83	23.66	17.88	10.49	NORM	WET	WET	NORM	NORM	1993
1994	0.82	2.15	1.81	1.97	1.64	1.69	0.29	10.55	11.68	10.67	10.32	5.89	NORM	NORM	DRY	DRY	DRY	1994
1995	1.21	1.99	7.55	4.94	2.28	1.04	1.38	27.84	31.91	24.27	12.62	8.50	WET	WET	WET	NORM	NORM	1995
1996	0.89	2.17	5.47	2.24	1.91	4.31	2.06	21.64	19.83	15.68	18.99	16.71	WET	NORM	NORM	NORM	WET	1996
1997	0.40	2.29	3.33	2.76	4.30	4.11	2.21	14.97	17.23	21.75	23.69	19.15	NORM	NORM	NORM	WET	WET	1997
1998	1.79	0.78	3.09	5.07	1.84	3.32	2.38	12.62	22.17	18.75	18.71	15.62	NORM	WET	NORM	NORM	WET	1998
1999	0.67	3.43	2.67	4.57	3.40	7.54	1.29	15.54	22.48	22.01	33.99	22.35	NORM	WET	NORM	WET	WET	1999
2000	0.80	4.30	1.66	0.80	2.07	0.96	0.62	14.38	10.02	9.47	7.82	5.85	NORM	DRY	DRY	DRY	DRY	2000
2001	0.69	2.58	3.16	1.76	5.63	3.31	1.25	15.33	14.18	23.57	22.95	16.00	NORM	NORM	WET	WET	WET	2001
2002	1.54	1.93	2.79	1.85	1.74	3.75	3.00	13.77	13.06	11.71	16.58	18.24	NORM	NORM	DRY	NORM	WET	2002
2003	1.63	2.54	1.41	3.94	0.61	2.48	1.62	10.94	17.18	11.12	12.60	10.43	NORM	NORM	DRY	NORM	NORM	2003
2004	0.80	0.52	1.70	1.79	2.89	0.74	2.62	6.94	9.29	13.95	9.79	12.23	DRY	DRY	NORM	DRY	NORM	2004
2005	0.60	1.73	1.62	1.00	0.69	0.3	1.00	8.92	7.97	5.69	3.28	4.29	DRY	DRY	DRY	DRY	DRY	2005
2006	2.06	0.88	3.54	1.95	2.67	1.50	2.84	14.44	13.81	15.45	11.79	14.19	NORM	NORM	NORM	NORM	NORM	2006
2007	0.82	1.97	4.04	1.23	3.81	5.23	1.31	16.88	13.74	17.93	24.54	18.20	NORM	NORM	NORM	WET	WET	2007
2008	1.25	1.34	6.31	4.38	3.47	0.89	1.49	22.86	27.10	25.48	13.99	9.72	WET	WET	WET	NORM	NORM	2008
2009	0.64	3.78	1.95	3.29	3.74	1.80	1.32	14.05	17.55	19.75	16.17	11.30	NORM	NORM	NORM	NORM	NORM	2009
2010	0.41	3.29	4.37	5.25	3.47	0.85	1.66	20.10	27.78	25.28	14.74	10.15	WET	WET	WET	NORM	NORM	2010
2011	1.47	0.70	5.97	1.80	2.09	4.59	1.28	20.78	18.04	15.84	19.75	15.11	WET	NORM	NORM	WET	WET	2011
2012	0.24	1.64	2.66	3.15	3.11	0.50	0.18	11.50	16.41	18.29	10.87	4.65	NORM	NORM	NORM	NORM	DRY	2012
2013	0.76	2.54	2.65	0.00	3.61	2.92	1.66	13.79	7.84	13.48	15.98	14.43	NORM	DRY	NORM	NORM	NORM	2013
2014	1.23	2.10	0.56	6.42	2.50	2.98	4.59	7.11	22.48	20.90	20.36	22.23	DRY	WET	NORM	WET	WET	2014
2015	0.22	2.30	5.39	5.25	2.42	2.16	0.43	20.99	28.83	23.15	16.57	8.03	WET	WET	WET	NORM	NORM	2015
2016	1.33	1.13	1.48	4.43	3.11	1.81	1.95	8.03	17.38	19.67	16.08	12.58	DRY	NORM	NORM	NORM	NORM	2016
2017	0.78	3.41	2.26	1.83	6.55	1.56	1.22	14.38	13.42	25.57	19.61	13.33	NORM	NORM	WET	NORM	NORM	2017
2018	1.33	1.53	5.47	5.02	7.05	1.35	0.95	20.80	27.53	36.66	23.17	12.60	WET	WET	WET	WET	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.64	1.07	1.32	March	1.07
April	1.35	2.06	2.48	April	2.06
May	2.18	3.31	3.97	May	3.31
June	1.93	3.17	3.85	June	3.17
July	2.03	3.02	3.61	July	3.02
August	1.51	2.38	2.86	August	2.38
Sept.	0.66	1.50	1.83	Sept.	1.50

Jun-MAM	9.88	15.12	18.19
Jul-JMA	11.50	18.19	21.97
Aug-JJM	12.13	18.71	22.50
Sep-AJJ	10.52	16.35	19.65
Oct-SAJ	7.03	12.28	14.82

Note:

Hermosa 3 SSW NWS Station (SD3775) was used for Mar-Jun 1983.

Rainfall Data
Deadwood
Station #SD2207
Lawrence County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	1.20	3.22	3.54	2.44	1.10	2.54	0.60	18.26	17.62	11.72	12.26	7.98	NORM	NORM	DRY	NORM	NORM	1980
1981	0.03	0.22	5.98	3.36	3.74	1.46	1.36	18.41	22.26	23.92	15.22	10.74	NORM	NORM	NORM	NORM	NORM	1981
1982	2.36	2.60	15.99	3.30	4.00	2.65	2.26	55.53	44.48	34.59	19.25	16.08	WET	WET	WET	WET	WET	1982
1983	2.87	2.68	3.48	1.12	2.65	4.47	0.82	18.67	13.00	13.67	19.83	14.05	NORM	DRY	NORM	WET	NORM	1983
1984	2.76	6.62	2.25	5.78	2.38	3.06	1.03	22.75	28.46	20.95	19.72	11.59	NORM	NORM	NORM	WET	NORM	1984
1985	1.77	1.11	2.15	3.12	0.55	0.31	2.81	10.44	14.77	10.04	5.15	9.60	DRY	DRY	DRY	DRY	NORM	1985
1986	0.84	4.39	2.35	4.00	2.88	0.48	5.23	16.67	21.09	18.99	11.20	19.53	NORM	NORM	NORM	NORM	WET	1986
1987	4.20	1.00	3.59	0.64	1.27	4.71	1.51	16.97	10.10	8.68	17.31	15.22	NORM	DRY	DRY	NORM	WET	1987
1988	4.00	1.00	5.34	3.19	0.48	2.05	3.33	22.02	21.25	13.16	10.30	14.57	NORM	NORM	NORM	NORM	NORM	1988
1989	2.55	5.28	3.35	2.64	2.18	1.16	2.34	23.16	19.90	15.17	10.48	11.52	NORM	NORM	NORM	NORM	NORM	1989
1990	1.97	4.08	3.18	1.84	3.02	0.46	0.97	19.67	15.96	15.92	9.26	6.85	NORM	NORM	NORM	NORM	NORM	1990
1991	1.25	3.05	7.50	4.26	1.86	0.41	0.83	29.85	30.83	21.60	9.21	5.17	WET	WET	NORM	NORM	DRY	1991
1992	2.20	3.87	3.05	3.63	2.14	1.26	0.88	19.09	20.86	16.73	11.69	7.30	NORM	NORM	NORM	NORM	NORM	1992
1993	2.90	4.53	4.91	8.31	5.37	1.49	1.55	26.69	39.28	37.64	23.52	13.00	NORM	WET	WET	WET	NORM	1993
1994	2.29	2.34	1.22	0.93	3.28	0.25	1.00	10.63	7.57	12.92	8.24	6.78	DRY	DRY	NORM	DRY	NORM	1994
1995	2.49	3.83	13.32	5.82	6.05	0.88	2.08	50.11	47.93	43.11	20.56	14.05	WET	WET	WET	WET	NORM	1995
1996	3.94	1.28	4.03	2.02	1.65	4.04	2.85	18.59	15.40	13.02	17.44	18.28	NORM	NORM	NORM	NORM	WET	1996
1997	0.95	5.93	3.78	2.27	6.49	3.37	1.00	24.15	20.30	27.79	25.36	16.23	NORM	NORM	WET	WET	WET	1997
1998	2.35	1.80	1.48	8.74	2.85	3.94	1.50	10.39	30.98	27.51	26.26	15.23	DRY	WET	WET	WET	WET	1998
1999	2.05	4.71	3.42	7.52	0.96	4.17	0.96	21.73	34.11	21.34	21.95	12.18	NORM	WET	NORM	WET	NORM	1999
2000	2.36	5.16	4.77	3.66	2.48	0.00	1.86	26.99	25.68	19.53	8.62	8.06	NORM	NORM	NORM	NORM	NORM	2000
2001	1.95	4.09	3.28	3.37	6.23	2.46	0.92	19.97	20.76	28.71	23.21	13.91	NORM	NORM	WET	WET	NORM	2001
2002	1.85	4.69	3.00	0.62	0.88	2.50	5.50	20.23	12.55	6.88	9.88	22.38	NORM	DRY	DRY	NORM	WET	2002
2003	1.18	3.93	5.35	4.80	1.62	0.94	3.15	25.09	29.03	19.81	10.86	12.95	NORM	WET	NORM	NORM	NORM	2003
2004	2.25	2.48	2.93	0.73	5.93	1.73	0.93	16.00	10.53	22.18	17.78	12.18	NORM	DRY	NORM	NORM	NORM	2004
2005	1.26	4.32	6.25	2.86	1.16	2.72	1.5	28.65	25.40	15.45	13.34	11.10	WET	NORM	NORM	NORM	NORM	2005
2006	1.60	8.36	4.01	0.82	1.01	1.96	6.77	30.35	18.84	8.68	8.72	25.24	WET	NORM	DRY	NORM	WET	2006
2007	3.08	1.85	9.41	6.25	2.13	3.35	0.62	35.01	39.42	28.30	20.56	10.69	WET	WET	WET	WET	NORM	2007
2008	2.21	3.59	10.85	9.03	3.39	1.54	1.28	41.94	52.38	39.08	20.43	10.31	WET	WET	WET	WET	NORM	2008
2009	6.26	3.16	1.90	3.35	3.51	3.69	1.76	18.28	17.01	19.13	21.44	16.17	NORM	NORM	NORM	WET	WET	2009
2010	1.36	6.05	5.82	5.08	1.42	2.88	1.06	30.92	32.93	20.24	16.56	10.36	WET	WET	NORM	NORM	NORM	2010
2011	1.85	2.89	8.28	5.11	1.78	2.13	0.62	32.47	34.78	23.84	15.06	7.90	WET	WET	NORM	NORM	NORM	2011
2012	0.39	3.60	2.87	1.47	3.38	2.27	0.00	16.20	13.75	15.95	15.04	7.92	NORM	DRY	NORM	NORM	NORM	2012
2013	1.87	4.19	12.23	2.67	3.42	2.91	3.70	46.94	36.66	27.83	18.24	20.34	WET	WET	WET	NORM	WET	2013
2014	4.00	5.95	2.20	4.65	1.35	2.35	4.95	22.50	24.30	15.55	14.40	20.90	NORM	NORM	NORM	NORM	WET	2014
2015	0.52	2.72	9.18	6.23	3.93	4.23	1.16	33.50	39.77	33.43	26.78	15.87	WET	WET	WET	WET	WET	2015
2016	2.54	2.51	1.64	0.91	2.49	2.84	2.08	12.48	8.52	10.93	14.41	14.41	DRY	DRY	DRY	NORM	NORM	2016
2017	1.18	2.48	3.29	3.25	1.60	1.05	2.25	16.01	18.81	14.59	9.60	10.45	NORM	NORM	NORM	NORM	NORM	2017
2018	1.97	2.56	5.34	6.09	4.00	2.28	1.65	23.11	31.51	29.52	20.93	13.51	NORM	WET	WET	WET	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	1.65	2.36	3.28	March	2.36
April	2.40	3.49	4.66	April	3.49
May	2.74	4.62	5.11	May	4.62
June	2.31	3.94	4.68	June	3.94
July	1.64	2.71	3.38	July	2.71
August	0.98	2.03	2.54	August	2.03
Sept.	0.92	1.74	2.04	Sept.	1.74

NOTE:

Deadwood NWS Station (SD2207) has not collected data as of 2006.

Lead NWS Station (SD4834) was used for Sep 1983; Mar-Jul 1984; Mar 1990; Aug, Sep 1996; Jun, Sep 2001; Mar 2003; Mar 2004; Sep 2005; May-Sep 2006; 2012-2013; 2015-2018.

Deadwood 2 NE NWS Station (SD2209) was used for 2007-2011; 2014.

Jun-MAM	14.67	23.20	27.93
Jul-JMA	14.81	24.55	28.92
Aug-JJM	12.28	20.63	24.61
Sep-AJJ	8.53	15.45	19.06
Oct-SAJ	6.36	11.99	14.58

Rainfall Data
De Smet
Station #SD2302
Kingsbury County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1941	0.26	4.99	1.43	4.35	1.08	1.58	2.55	14.53	20.90	13.37	11.25	11.89	NORM	NORM	NORM	DRY	NORM	1941
1952	1.04	0.89	0.75	3.84	1.83	1.94	0.75	5.07	13.91	13.92	13.32	7.96	DRY	NORM	NORM	NORM	DRY	1952
1956	1.01	2.48	2.09	5.81	3.80	7.26	1.61	12.24	24.09	25.11	35.19	23.15	NORM	NORM	NORM	WET	WET	1956
1958	0.50	1.74	2.37	4.25	4.15	1.83	1.71	11.09	19.23	23.32	18.04	12.94	NORM	NORM	NORM	NORM	NORM	1958
1964	1.73	2.43	1.87	2.10	2.59	2.79	1.33	12.20	12.47	13.84	15.65	12.16	NORM	NORM	NORM	NORM	NORM	1964
1970	1.53	3.82	2.28	4.63	3.07	1.13	1.20	16.01	22.27	20.75	14.16	8.93	NORM	NORM	NORM	NORM	NORM	1970
1971	0.05	2.07	2.69	3.88	2.08	2.23	1.07	12.26	19.09	16.69	14.73	9.75	NORM	NORM	NORM	NORM	NORM	1971
1973	1.90	0.59	2.82	1.21	2.77	2.43	2.72	11.54	9.86	13.55	14.04	15.79	NORM	DRY	NORM	NORM	NORM	1973
1976	1.45	1.50	0.43	1.47	1.29	0.50	2.45	5.74	6.77	7.24	5.55	9.64	DRY	DRY	DRY	DRY	NORM	1976
1977	3.51	2.59	2.01	7.78	1.40	2.92	3.16	14.72	29.95	21.77	19.34	16.72	NORM	WET	NORM	NORM	NORM	1977
1979	1.97	3.20	2.28	3.35	1.99	2.49	0.08	15.21	17.81	14.95	14.80	7.21	NORM	NORM	NORM	NORM	DRY	1979
1980	0.69	0.67	1.71	5.27	1.86	4.17	0.95	7.16	19.90	17.83	21.50	13.05	DRY	NORM	NORM	NORM	NORM	1980
1981	1.57	0.64	1.09	3.86	4.72	2.38	0.69	6.12	14.40	22.97	20.44	11.55	DRY	NORM	NORM	NORM	NORM	1981
1982	0.93	1.56	6.30	1.86	4.62	2.33	2.77	22.95	19.74	23.88	18.09	17.59	WET	NORM	NORM	NORM	NORM	1982
1983	3.28	1.05	1.31	3.39	2.05	1.44	3.44	9.31	13.84	14.24	11.81	15.25	NORM	NORM	NORM	DRY	NORM	1983
1984	1.28	3.46	2.11	11.92	1.55	5.85	2.22	14.53	43.44	30.60	32.57	19.91	NORM	WET	WET	WET	WET	1984
1985	3.51	2.39	3.84	2.51	3.31	4.21	7.62	19.81	17.60	18.79	21.76	34.59	WET	NORM	NORM	NORM	WET	1985
1986	1.40	7.36	3.88	2.86	7.45	3.46	4.46	27.76	23.70	31.95	28.14	27.75	WET	NORM	WET	WET	WET	1986
1987	3.30	0.45	0.97	1.79	8.31	3.28	1.76	7.11	7.76	29.48	28.25	20.15	DRY	DRY	WET	WET	WET	1987
1988	1.63	1.17	2.28	1.71	1.63	2.42	3.82	10.81	10.86	10.59	12.23	17.93	NORM	DRY	DRY	NORM	NORM	1988
1989	1.87	2.45	2.15	4.67	4.57	3.30	2.60	13.22	20.76	25.20	23.71	18.97	NORM	NORM	NORM	WET	NORM	1989
1990	0.81	0.74	5.00	9.72	3.12	2.33	0.17	17.29	39.90	33.80	22.95	8.29	NORM	WET	WET	NORM	DRY	1990
1991	0.35	4.06	6.54	6.25	1.51	1.50	2.13	28.09	35.89	23.57	13.77	10.90	WET	WET	NORM	NORM	NORM	1991
1992	1.09	2.02	1.37	4.18	4.21	3.12	2.66	9.24	17.30	22.36	21.96	18.43	NORM	NORM	NORM	NORM	NORM	1992
1993	1.25	3.11	3.64	8.74	5.34	3.24	2.07	18.39	36.61	37.14	29.14	18.03	NORM	WET	WET	WET	NORM	1993
1994	0.55	1.33	1.45	2.60	3.35	3.87	2.59	7.56	12.03	16.70	20.91	18.86	DRY	NORM	NORM	NORM	NORM	1994
1995	2.76	4.31	4.63	3.63	5.60	2.73	4.05	25.27	24.46	28.69	23.02	23.21	WET	WET	WET	NORM	WET	1995
1996	0.40	0.25	5.05	1.64	2.07	1.49	3.78	16.05	15.27	14.54	10.25	16.39	NORM	NORM	NORM	DRY	NORM	1996
1997	0.20	1.27	0.10	1.55	7.32	1.21	4.29	3.04	6.12	25.16	19.82	22.61	DRY	DRY	NORM	NORM	WET	1997
1998	2.10	2.23	3.40	3.67	3.71	4.57	0.26	16.76	20.04	21.87	24.80	13.63	NORM	NORM	NORM	WET	NORM	1998
1999	1.00	2.91	2.53	4.47	7.29	3.57	3.42	14.41	21.38	33.34	29.76	24.69	NORM	NORM	WET	WET	WET	1999
2000	0.35	1.60	4.88	3.69	2.48	1.84	0.53	18.19	22.43	19.70	14.17	7.75	NORM	NORM	NORM	NORM	DRY	2000
2001	0.86	6.27	3.27	5.84	2.65	0.93	1.73	23.21	30.33	22.90	13.93	9.70	WET	WET	NORM	NORM	NORM	2001
2002	2.49	1.20	1.88	1.81	2.20	4.39	1.30	10.53	10.39	12.10	19.38	14.88	NORM	DRY	DRY	NORM	NORM	2002
2003	0.30	2.42	2.10	4.58	2.46	1.41	1.10	11.44	20.36	18.64	13.73	8.58	NORM	NORM	NORM	NORM	DRY	2003
2004	1.02	1.38	5.76	4.88	5.39	1.79	4.32	21.06	27.54	31.69	21.03	21.93	WET	WET	WET	NORM	WET	2004
2005	0.25	1.02	2.45	3.46	2.23	1.47	9.7	9.64	16.30	16.06	12.33	34.27	NORM	NORM	NORM	NORM	WET	2005
2006	1.59	1.79	0.98	2.46	0.86	6.81	5.51	8.11	11.13	8.48	24.61	31.01	DRY	DRY	DRY	WET	WET	2006
2007	3.39	3.42	4.25	2.27	1.05	4.17	2.14	22.98	18.73	11.94	16.88	15.81	WET	NORM	DRY	NORM	NORM	2007
2008	2.19	3.46	2.21	3.77	3.12	1.14	1.30	15.74	19.19	19.11	13.43	9.30	NORM	NORM	NORM	NORM	NORM	2008
2009	2.27	1.91	4.12	3.34	7.00	1.97	2.57	18.45	20.17	31.80	23.25	18.65	NORM	NORM	WET	NORM	NORM	2009
2010	1.34	1.24	3.15	10.72	7.74	2.50	3.23	13.27	39.70	47.81	33.70	22.43	NORM	WET	WET	WET	WET	2010
2011	2.41	2.33	4.18	2.88	3.15	2.83	0.34	19.61	19.33	19.39	17.67	9.83	WET	NORM	NORM	NORM	NORM	2011
2012	0.71	3.65	3.79	1.26	1.01	2.79	0.85	19.38	15.01	9.34	11.65	9.14	WET	NORM	DRY	DRY	NORM	2012
2013	0.92	2.72	4.59	5.28	1.12	1.47	2.65	20.13	27.74	18.51	11.93	12.01	WET	WET	NORM	DRY	NORM	2013
2014	1.02	0.97	2.53	6.07	2.11	4.34	1.15	10.55	24.24	21.00	23.31	14.24	NORM	NORM	NORM	WET	NORM	2014
2015	0.16	0.41	1.98	3.03	4.16	6.64	1.81	6.92	13.46	20.52	31.27	22.87	DRY	NORM	NORM	WET	WET	2015
2016	1.07	2.36	2.84	1.54	2.29	5.42	3.46	14.31	12.66	12.79	22.38	23.51	NORM	NORM	NORM	NORM	WET	2016
2017	1.28	1.98	2.73	2.04	6.19	3.45	5.11	13.43	13.56	25.38	24.77	28.42	NORM	NORM	NORM	WET	WET	2017
2018	1.85	1.53	2.02	4.08	3.96	3.24	1.65	10.97	17.81	22.06	21.72	15.39	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound
March	0.75	1.53	1.87
April	1.20	2.21	2.69
May	1.69	3.08	3.75
June	2.45	3.92	4.74
July	2.00	3.55	4.32
August	1.85	2.76	3.30
Sept.	0.98	2.36	2.87
Jun-MAM	8.22	15.19	18.50
Jul-JMA	11.93	20.13	24.41
Aug-JJM	12.59	21.57	26.19
Sep-AJJ	12.00	19.30	23.28
Oct-SAJ	8.64	16.15	19.53

Normals are for 1971-2000 data

NOTE:
Iroquois NWS Station (SD4254) was used for Jun 2003.

March	1.53
April	2.21
May	3.08
June	3.92
July	3.55
August	2.76
Sept.	2.36

Rainfall Data
Dupree
Station #SD2429
Ziebach County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.27	0.89	1.35	2.12	1.04	2.41	0.60	6.10	9.95	8.71	11.43	7.66	DRY	DRY	DRY	NORM	NORM	1980
1981	0.15	0.09	2.21	4.41	2.80	2.73	1.56	6.96	17.74	19.43	18.20	12.94	DRY	NORM	NORM	WET	WET	1981
1982	2.52	0.79	7.30	2.10	2.40	2.59	0.86	26.00	21.69	18.70	14.67	10.16	WET	WET	NORM	NORM	NORM	1982
1983	1.42	0.76	2.36	2.34	0.85	2.35	0.99	10.02	12.50	9.59	11.09	8.52	NORM	NORM	DRY	NORM	NORM	1983
1984	0.98	2.52	1.44	4.49	2.30	2.18	0.98	10.34	18.87	17.32	15.63	9.60	NORM	NORM	NORM	NORM	NORM	1984
1985	1.81	1.14	2.23	2.03	1.07	2.25	1.74	10.78	11.69	9.50	10.92	10.79	NORM	NORM	DRY	NORM	NORM	1985
1986	0.60	4.63	4.00	3.02	4.34	0.37	3.06	21.86	21.69	23.06	12.81	14.26	WET	WET	WET	NORM	WET	1986
1987	3.54	0.24	5.72	1.89	4.53	3.11	0.47	21.18	17.35	23.09	20.28	12.16	WET	NORM	WET	WET	WET	1987
1988	1.21	0.77	2.90	3.80	0.06	0.65	0.36	11.45	17.97	10.68	5.87	2.44	NORM	NORM	NORM	DRY	DRY	1988
1989	1.91	3.04	0.35	1.21	2.38	1.75	1.89	9.04	7.37	9.91	11.22	11.55	NORM	DRY	NORM	NORM	WET	1989
1990	0.27	0.98	1.58	5.52	1.54	1.03	0.57	6.97	20.70	17.24	11.69	5.31	DRY	NORM	NORM	NORM	NORM	1990
1991	0.68	2.46	5.32	2.02	1.29	0.85	0.56	21.56	19.16	13.23	7.15	4.67	WET	NORM	NORM	DRY	NORM	1991
1992	0.50	0.50	1.01	3.58	5.47	1.25	0.59	4.53	13.26	24.58	18.27	9.74	DRY	NORM	WET	WET	NORM	1992
1993	1.37	1.47	3.53	7.10	4.18	0.16	0.60	14.90	29.83	30.27	15.94	6.30	NORM	WET	WET	WET	NORM	1993
1994	0.48	1.51	0.61	3.79	3.10	1.07	0.76	5.33	14.10	17.49	13.20	7.52	DRY	NORM	NORM	NORM	NORM	1994
1995	1.26	2.67	4.23	6.22	0.69	2.00	0.96	19.29	29.79	18.74	13.60	7.57	WET	WET	NORM	NORM	NORM	1995
1996	0.36	1.14	6.63	1.47	0.52	0.89	5.55	22.53	18.81	11.13	5.18	18.95	WET	NORM	NORM	DRY	WET	1996
1997	0.14	2.39	2.65	0.80	3.90	2.56	0.45	12.87	10.09	15.95	16.28	10.37	NORM	DRY	NORM	WET	NORM	1997
1998	0.90	0.91	1.38	4.39	1.23	2.50	0.22	6.86	16.84	13.85	14.35	6.89	DRY	NORM	NORM	NORM	NORM	1998
1999	0.53	2.94	3.19	5.26	2.53	5.55	1.48	15.98	25.10	21.30	26.97	18.07	NORM	WET	WET	WET	WET	1999
2000	2.48	4.60	3.87	3.06	1.73	0.15	0.39	23.29	21.52	15.18	6.97	3.20	WET	NORM	NORM	DRY	DRY	2000
2001	0.14	2.05	1.76	2.27	3.34	0.13	0.73	9.52	12.38	16.32	9.34	5.79	NORM	NORM	NORM	NORM	NORM	2001
2002	0.40	0.84	0.72	1.86	1.25	0.78	1.32	4.24	7.86	8.19	6.70	6.77	DRY	DRY	DRY	DRY	NORM	2002
2003	0.93	1.71	2.22	1.77	1.44	0.69	1.29	11.01	11.46	10.08	6.72	6.69	NORM	NORM	NORM	DRY	NORM	2003
2004	0.88	1.11	2.84	1.90	3.59	1.27	3.80	11.62	12.49	17.41	12.89	17.53	NORM	NORM	NORM	NORM	WET	2004
2005	0.57	1.92	3.74	3.59	3.59	1.38	0.43	15.63	20.17	21.69	14.91	7.64	NORM	NORM	WET	NORM	NORM	2005
2006	1.20	1.54	0.66	1.32	0.28	2.25	2.97	6.26	6.82	4.14	8.63	13.69	DRY	DRY	DRY	NORM	WET	2006
2007	2.00	2.12	3.72	4.14	2.66	2.30	0.31	17.40	21.98	19.98	16.36	8.19	WET	WET	WET	WET	NORM	2007
2008	0.66	2.13	4.43	7.31	4.50	1.06	0.86	18.21	32.92	32.55	19.49	9.20	WET	WET	WET	WET	NORM	2008
2009	1.93	1.92	2.17	3.13	3.19	1.71	0.67	12.28	15.65	18.00	14.64	8.62	NORM	NORM	NORM	NORM	NORM	2009
2010	0.79	2.03	5.99	8.00	2.25	0.75	3.60	22.82	38.01	28.74	14.75	14.55	WET	WET	WET	NORM	WET	2010
2011	1.44	2.62	5.08	4.90	3.15	2.20	0.47	21.92	27.48	24.33	17.80	8.96	WET	WET	WET	WET	NORM	2011
2012	0.38	2.68	1.88	2.82	3.73	0.53	0.15	11.38	14.90	18.71	11.87	5.24	NORM	NORM	NORM	NORM	NORM	2012
2013	0.36	1.04	4.98	2.24	2.53	2.15	1.43	17.38	17.72	17.05	13.75	11.12	WET	NORM	NORM	NORM	NORM	2013
2014	0.94	1.94	1.48	6.81	1.23	7.47	0.90	9.26	25.33	18.79	31.68	18.87	NORM	WET	NORM	WET	WET	2014
2015	0.20	0.78	7.20	3.50	1.45	2.01	0.65	23.36	25.68	18.55	12.43	7.42	WET	WET	NORM	NORM	NORM	2015
2016	1.18	4.37	1.44	4.15	1.44	1.10	0.50	14.24	19.70	14.06	10.33	5.14	NORM	NORM	NORM	NORM	NORM	2016
2017	0.30	1.03	1.90	2.90	0.45	6.65	0.67	8.06	13.53	9.05	23.75	15.76	NORM	NORM	DRY	WET	WET	2017
2018	1.25	1.00	2.46	6.25	1.72	0.16	1.55	10.63	24.67	20.12	10.17	6.69	NORM	WET	WET	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.45	1.15	1.39	March	1.15
April	0.94	1.86	2.27	April	1.86
May	1.76	3.06	3.72	May	3.06
June	2.27	3.34	3.98	June	3.34
July	1.14	2.25	2.75	July	2.25
August	0.88	1.70	2.08	August	1.70
Sept.	0.46	1.17	1.42	Sept.	1.17

NOTE:

Dupree 15 SSE NWS Station (SD2446) was used for May 1983; Mar 1994; Mar 1996.

Jun-MAM	7.61	14.05	17.09
Jul-JMA	11.27	18.00	21.65
Aug-JJM	9.72	16.49	19.93
Sep-AJJ	7.19	12.94	15.72
Oct-SAJ	4.28	9.16	11.17

Rainfall Data
Dupree 15 SSE
Station #SD2446
Ziebach County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1980	0.38	0.87	0.73	1.67	1.08	1.86	1.41	4.31	7.34	7.31	9.41	9.03	DRY	DRY	DRY	NORM	NORM	1980
1981	0.14	0.00	2.33	2.41	2.47	2.60	0.46	7.13	11.89	14.56	15.15	9.05	NORM	NORM	NORM	NORM	NORM	1981
1982	2.54	0.38	7.84	2.75	4.65	3.44	1.21	26.82	24.31	27.29	22.37	15.16	WET	WET	WET	WET	WET	1982
1983	1.20	0.53	2.36	2.98	1.35	1.95	1.19	9.34	14.19	12.37	11.53	8.82	NORM	NORM	NORM	NORM	NORM	1983
1984	0.51	1.77	1.79	5.85	2.26	0.51	0.81	9.42	22.90	20.27	11.90	5.71	NORM	WET	WET	NORM	NORM	1984
1985	1.81	1.14	2.23	2.03	1.07	2.31	1.65	10.78	11.69	9.50	11.10	10.64	NORM	NORM	DRY	NORM	NORM	1985
1986	0.66	3.64	4.93	3.31	2.42	0.89	3.51	22.73	23.43	18.81	10.82	14.73	WET	WET	NORM	NORM	WET	1986
1987	3.41	0.08	3.84	1.72	3.48	5.58	0.44	15.09	12.92	17.72	25.42	15.96	NORM	NORM	NORM	WET	WET	1987
1988	0.44	0.76	3.44	1.48	1.50	0.17	0.97	12.28	12.08	10.90	4.99	4.75	NORM	NORM	NORM	DRY	NORM	1988
1989	2.12	2.25	0.98	1.12	3.31	1.07	2.00	9.56	7.57	13.15	10.95	11.45	NORM	DRY	NORM	NORM	NORM	1989
1990	0.54	1.15	1.90	3.50	2.09	1.87	0.95	8.54	15.45	15.17	13.29	8.68	NORM	NORM	NORM	NORM	NORM	1990
1991	0.46	4.69	4.98	1.88	2.24	1.31	0.55	24.78	20.29	15.46	10.29	6.51	WET	WET	NORM	NORM	NORM	1991
1992	0.63	0.17	1.22	3.17	7.74	2.26	0.61	4.63	12.12	30.78	25.43	14.09	DRY	NORM	WET	WET	WET	1992
1993	1.28	1.61	3.93	5.87	6.24	0.65	1.22	16.29	27.08	34.39	20.30	11.20	NORM	WET	WET	WET	NORM	1993
1994	0.48	1.25	0.60	5.42	2.99	0.10	1.12	4.78	18.71	20.41	11.70	6.55	DRY	NORM	WET	NORM	NORM	1994
1995	0.93	1.98	6.34	4.50	1.43	0.35	0.77	23.91	28.16	19.63	8.41	4.44	WET	WET	NORM	NORM	NORM	1995
1996	0.36	0.79	6.38	1.62	0.87	2.78	8.17	21.08	18.41	12.23	11.70	30.94	WET	NORM	NORM	NORM	WET	1996
1997	0.23	3.16	4.57	0.47	5.16	3.11	0.87	20.26	13.71	20.99	20.12	13.99	DRY	NORM	WET	WET	WET	1997
1998	0.95	0.61	1.50	3.76	1.25	2.09	0.15	6.67	14.89	12.77	12.53	5.88	WET	NORM	NORM	NORM	NORM	1998
1999	0.37	3.04	3.06	3.33	2.11	2.33	1.06	15.63	19.15	16.05	14.54	9.95	NORM	NORM	NORM	NORM	NORM	1999
2000	2.77	4.79	3.26	2.47	2.67	0.00	0.17	22.13	18.72	16.21	7.81	3.18	WET	NORM	NORM	NORM	DRY	2000
2001	0.12	1.59	2.47	1.53	4.16	0.00	0.92	10.71	11.12	18.01	9.85	6.92	NORM	NORM	NORM	NORM	NORM	2001
2002	0.69	0.63	0.83	1.61	1.64	1.75	1.35	4.44	7.12	8.97	10.14	9.19	DRY	DRY	DRY	NORM	NORM	2002
2003	0.58	2.60	1.58	1.94	1.31	0.46	1.26	10.52	11.58	9.39	5.94	6.01	NORM	NORM	DRY	DRY	NORM	2003
2004	0.84	0.55	3.00	3.67	2.64	1.80	3.78	10.94	17.56	18.26	14.35	17.58	NORM	NORM	NORM	NORM	WET	2004
2005	0.56	1.55	3.7	4.28	2.2	2.7	0.83	14.76	21.79	18.86	16.78	10.09	NORM	WET	NORM	WET	NORM	2005
2006	0.75	1.12	0.82	2.04	0.31	1.84	2.62	5.45	8.88	5.83	8.18	11.85	DRY	DRY	DRY	NORM	WET	2006
2007	2.94	1.34	2.54	3.09	2.01	4.33	0.73	13.24	15.69	14.75	20.10	12.86	NORM	NORM	NORM	WET	WET	2007
2008	0.59	2.25	4.43	8.18	3.78	1.89	1.36	18.38	35.65	32.13	21.41	11.64	WET	WET	WET	WET	WET	2008
2009	2.59	1.76	1.56	2.70	2.78	2.90	0.70	10.79	12.98	15.30	16.96	10.68	NORM	NORM	NORM	WET	NORM	2009
2010	1.61	1.83	3.86	7.40	2.37	1.46	3.05	16.85	31.75	25.77	16.52	14.44	WET	WET	WET	WET	WET	2010
2011	0.70	2.00	1.96	5.04	1.35	2.25	0.71	10.58	21.04	16.09	14.49	7.98	NORM	WET	NORM	NORM	NORM	2011
2012	0.23	2.68	1.88	2.75	3.73	0.52	0.00	11.23	14.69	18.57	11.77	4.77	NORM	NORM	NORM	NORM	NORM	2012
2013	0.19	1.16	7.29	0.10	2.93	3.66	1.17	24.38	16.03	16.27	16.94	13.76	WET	NORM	NORM	WET	WET	2013
2014	0.86	2.34	1.93	7.79	1.60	6.95	0.90	11.33	29.57	22.31	31.84	18.20	NORM	WET	WET	WET	WET	2014
2015	0.24	0.29	6.59	3.35	0.92	1.35	0.78	20.59	23.52	16.05	9.24	5.96	WET	WET	NORM	NORM	NORM	2015
2016	0.84	4.88	1.31	2.28	2.04	1.57	0.50	14.53	14.34	11.99	11.07	6.68	NORM	NORM	NORM	NORM	NORM	2016
2017	0.26	1.40	1.64	1.58	0.10	5.09	1.26	7.98	9.42	5.10	17.05	14.06	NORM	DRY	DRY	WET	WET	2017
2018	1.26	1.17	3.06	5.18	2.00	0.50	1.40	12.78	22.83	19.42	10.68	7.20	NORM	WET	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.44	1.08	1.31	March	1.08
April	0.69	1.64	2.02	April	1.64
May	1.71	3.03	3.69	May	3.03
June	1.93	2.98	3.58	June	2.98
July	1.51	2.58	3.13	July	2.58
August	0.68	1.52	1.87	August	1.52
Sept.	0.48	1.29	1.56	Sept.	1.29
Jun-MAM	6.95	13.45	16.42		
Jul-JMA	9.90	16.64	20.14		
Aug-JJM	10.10	16.73	20.24		
Sep-AJJ	6.99	12.70	15.45		
Oct-SAJ	4.31	9.49	11.55		

NOTE:

Dupree NWS Station (SD2429) was used for Mar-Jul 1985; May 2008; Apr, May, July 2012.

Rainfall Data
Eagle Butte
Station #SD2468
Dewey County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1949	0.52	2.10	1.09	1.47	0.75	0.41	0.80	7.99	8.69	6.28	4.20	3.97	DRY	DRY	DRY	DRY	DRY	1949
1968	0.66	3.86	1.92	6.40	1.37	3.24	0.74	14.14	26.90	18.83	18.86	10.07	NORM	WET	NORM	WET	NORM	1968
1969	0.45	0.81	1.05	3.32	3.83	0.02	0.41	5.22	12.87	19.18	11.04	5.10	DRY	NORM	NORM	NORM	DRY	1969
1970	0.84	4.42	2.40	2.47	2.23	0.98	2.05	16.88	16.63	14.03	9.87	10.34	NORM	NORM	NORM	NORM	NORM	1970
1980	0.11	0.57	1.16	1.67	0.97	2.20	0.60	4.73	7.90	7.41	10.21	7.17	DRY	DRY	DRY	NORM	NORM	1980
1981	0.34	0.11	3.40	3.43	2.55	2.42	0.93	10.76	17.20	17.91	15.79	10.18	NORM	NORM	NORM	NORM	NORM	1981
1982	4.21	1.27	9.68	2.39	3.74	2.62	0.83	35.79	27.80	25.68	17.73	11.47	WET	WET	WET	WET	NORM	1982
1983	1.55	1.49	3.96	2.10	1.44	2.67	1.11	16.41	15.71	12.48	12.99	10.11	NORM	NORM	NORM	NORM	NORM	1983
1984	2.05	2.64	1.34	5.44	1.88	1.13	0.30	11.35	21.64	17.86	12.59	5.04	NORM	WET	NORM	NORM	DRY	1984
1985	3.26	1.20	1.70	2.74	0.57	2.77	1.66	10.76	12.82	8.89	12.19	11.09	NORM	NORM	DRY	NORM	NORM	1985
1986	0.88	5.01	5.75	3.73	2.74	0.94	2.84	28.15	27.70	21.43	12.03	13.14	WET	WET	WET	NORM	WET	1986
1987	1.76	0.38	5.38	3.55	1.98	4.65	0.56	18.66	21.79	18.42	21.46	12.96	WET	WET	NORM	WET	WET	1987
1988	0.45	1.89	2.82	4.55	0.15	0.80	0.87	12.69	21.18	12.37	7.25	4.36	NORM	NORM	NORM	DRY	DRY	1988
1989	2.04	2.80	0.71	1.02	2.25	1.22	1.95	9.77	7.28	9.50	9.18	10.54	NORM	DRY	DRY	NORM	NORM	1989
1990	0.12	1.39	1.51	4.54	2.02	1.89	1.25	7.43	18.03	16.65	14.25	9.55	DRY	NORM	NORM	NORM	NORM	1990
1991	0.64	2.36	4.75	2.13	3.70	1.76	0.50	19.61	18.25	20.11	14.81	8.72	WET	NORM	NORM	NORM	NORM	1991
1992	0.50	0.64	1.07	4.12	5.09	1.68	0.73	4.99	15.14	24.58	19.34	10.64	DRY	NORM	WET	WET	NORM	1992
1993	1.48	1.01	4.37	5.94	6.04	0.73	0.61	16.61	27.57	34.37	20.21	9.33	NORM	WET	WET	WET	NORM	1993
1994	0.28	1.41	0.68	3.51	2.72	1.07	0.91	5.14	13.30	15.86	12.16	7.59	DRY	NORM	NORM	NORM	NORM	1994
1995	0.84	2.12	4.27	4.34	0.71	1.89	0.66	17.89	23.68	15.08	11.43	6.47	WET	WET	NORM	NORM	NORM	1995
1996	0.30	0.81	5.89	3.32	0.81	1.08	7.69	19.59	22.55	14.96	8.18	26.04	WET	WET	NORM	DRY	WET	1996
1997	0.14	2.70	3.19	1.20	5.56	3.29	0.60	15.11	12.68	22.27	22.19	13.94	NORM	NORM	WET	WET	WET	1997
1998	0.60	1.10	0.97	3.79	0.53	3.24	0.48	5.71	14.41	10.14	14.57	8.45	DRY	NORM	DRY	NORM	NORM	1998
1999	0.21	2.68	3.43	4.79	3.08	2.78	1.85	15.86	23.91	22.25	19.29	14.19	NORM	WET	WET	WET	WET	1999
2000	2.53	4.28	3.26	3.56	1.83	0.65	0.15	20.87	21.48	15.87	9.17	3.58	WET	NORM	NORM	NORM	DRY	2000
2001	0.23	1.86	2.25	2.65	2.48	0.00	0.41	10.70	14.31	14.99	7.61	3.71	NORM	NORM	NORM	DRY	DRY	2001
2002	0.63	0.71	0.83	1.11	2.26	2.04	1.23	4.54	5.70	9.83	11.75	10.03	DRY	DRY	DRY	NORM	NORM	2002
2003	0.87	2.49	2.53	2.10	1.35	0.60	1.72	13.44	13.85	10.78	6.60	7.71	NORM	NORM	NORM	DRY	NORM	2003
2004	1.07	0.35	3.53	3.08	2.24	1.07	4.69	12.36	16.65	16.41	10.77	18.45	NORM	NORM	NORM	NORM	WET	2004
2005	0.83	1.92	3.63	3.09	2.06	1.47	1.23	15.56	18.45	15.99	11.62	8.69	NORM	NORM	NORM	NORM	NORM	2005
2006	1.41	1.36	1.01	0.52	0.63	1.86	3.20	7.16	4.94	3.94	7.36	13.95	DRY	DRY	DRY	DRY	WET	2006
2007	2.14	1.40	2.25	1.88	1.35	4.31	0.10	11.69	11.54	10.06	17.51	10.27	NORM	DRY	DRY	WET	NORM	2007
2008	0.85	2.65	4.89	7.63	3.93	1.09	1.47	20.82	35.32	31.94	18.76	10.52	WET	WET	WET	WET	NORM	2008
2009	3.14	1.63	0.82	6.15	1.93	1.98	0.70	8.86	21.72	18.91	15.95	7.99	NORM	WET	NORM	NORM	NORM	2009
2010	1.83	3.23	3.87	10.50	2.63	2.19	3.00	19.90	42.47	32.76	22.33	16.01	WET	WET	WET	WET	WET	2010
2011	0.68	2.82	3.28	6.22	3.06	2.01	0.62	16.16	28.04	24.90	18.37	8.94	NORM	WET	WET	WET	NORM	2011
2012	0.23	2.68	1.63	2.53	1.55	0.32	0.00	10.48	13.53	11.34	6.59	2.19	NORM	NORM	NORM	DRY	DRY	2012
2013	0.19	1.16	7.29	0.96	2.93	3.66	1.17	24.38	18.62	18.00	17.80	13.76	WET	NORM	NORM	WET	WET	2013
2014	0.86	2.34	1.93	7.79	1.60	6.95	0.90	11.33	29.57	22.31	31.84	18.20	NORM	WET	WET	WET	WET	2014
2015	0.24	0.29	6.59	3.35	0.92	1.35	0.78	20.59	23.52	16.05	9.24	5.96	WET	WET	NORM	NORM	NORM	2015
2016	0.84	4.88	1.31	2.28	2.04	1.57	0.50	14.53	14.34	11.99	11.07	6.68	NORM	NORM	NORM	NORM	NORM	2016
2017	0.26	1.40	1.64	1.58	0.10	5.09	1.26	7.98	9.42	5.10	17.05	14.06	DRY	DRY	DRY	WET	WET	2017
2018	1.26	1.17	3.06	5.18	2.00	0.50	1.40	12.78	22.83	19.42	10.68	7.20	NORM	WET	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.44	1.25	1.5	March	1.25
April	1.07	1.92	2.34	April	1.92
May	1.82	3.17	3.86	May	3.17
June	2.30	3.24	3.83	June	3.24
July	1.27	2.52	3.08	July	2.52
August	1.23	1.91	2.30	August	1.91
Sept.	0.47	1.20	1.46	Sept.	1.20

NOTE:

Eagle Butte NWS Station (SD2468) has not collected data as of 2013.

Dupree 15 SSE NWS Station (SD2446) was used for Sep 2009; Mar 2012; 2013-2018.

Dupree NWS Station (SD2429) was used for 1949; Apr 2012.

Jun-MAM	8.04	14.60	17.76
Jul-JMA	11.61	17.98	21.55
Aug-JJM	10.23	17.21	20.76
Sep-AJJ	8.53	14.01	16.89
Oct-SAJ	5.14	9.94	12.06

Rainfall Data
Edgemont
Station #SD2557
Fall River County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	2.38	2.16	3.23	2.09	0.97	1.85	0.39	16.39	14.89	10.32	9.58	5.84	WET	NORM	NORM	NORM	NORM	1980
1981	0.66	0.74	3.22	1.73	2.54	1.00	0.16	11.80	12.37	14.30	9.81	5.02	NORM	NORM	NORM	NORM	NORM	1981
1982	1.34	1.00	4.18	4.45	2.20	3.29	2.42	15.88	22.71	19.68	18.72	16.04	WET	WET	WET	WET	WET	1982
1983	0.89	0.75	1.95	4.25	1.05	3.31	0.28	8.24	17.40	13.60	16.28	8.51	DRY	NORM	NORM	WET	NORM	1983
1984	0.77	3.29	3.26	1.88	2.40	1.62	0.47	17.13	15.45	14.22	11.54	7.05	WET	NORM	NORM	NORM	NORM	1984
1985	0.77	3.15	1.05	1.03	1.20	0.50	1.99	10.22	8.34	6.71	4.93	8.17	NORM	DRY	DRY	DRY	NORM	1985
1986	0.52	3.27	1.07	4.87	1.63	1.19	3.52	10.27	20.02	15.70	11.70	14.57	NORM	WET	NORM	NORM	WET	1986
1987	1.35	0.69	2.97	0.59	1.71	1.04	0.76	11.64	8.40	9.28	7.13	6.07	NORM	DRY	NORM	DRY	NORM	1987
1988	1.17	0.63	2.54	2.88	2.18	1.87	0.84	10.05	14.35	14.84	12.85	8.44	NORM	NORM	NORM	NORM	NORM	1988
1989	1.14	1.67	1.41	1.20	2.21	1.46	3.94	8.71	8.09	10.44	10.00	16.95	NORM	DRY	NORM	NORM	WET	1989
1990	1.17	2.31	4.45	1.22	3.84	0.86	2.48	19.14	14.87	18.41	11.48	13.00	WET	NORM	WET	NORM	WET	1990
1991	0.35	1.58	4.91	3.16	0.36	1.52	0.29	18.24	20.88	12.31	8.44	4.27	WET	WET	NORM	NORM	DRY	1991
1992	1.07	0.66	2.49	2.14	3.93	1.72	0.10	9.86	12.06	18.56	15.16	7.67	NORM	NORM	WET	WET	NORM	1992
1993	1.08	1.71	1.98	6.14	2.67	1.82	1.00	10.44	24.09	22.27	16.94	9.31	NORM	WET	WET	WET	NORM	1993
1994	0.73	1.62	1.47	1.22	2.04	0.45	0.32	8.38	8.22	10.03	6.65	3.90	DRY	DRY	NORM	DRY	DRY	1994
1995	0.63	1.36	4.42	3.09	1.07	0.55	3.61	16.61	19.47	13.81	6.88	13.00	WET	WET	NORM	DRY	WET	1995
1996	0.85	3.00	3.68	1.86	0.55	2.72	1.37	17.89	15.94	9.05	11.12	10.10	WET	NORM	NORM	NORM	NORM	1996
1997	0.32	2.52	2.84	3.17	4.61	1.05	0.73	13.88	17.71	23.01	15.54	8.90	NORM	NORM	WET	WET	NORM	1997
1998	2.02	0.27	3.58	3.36	3.38	2.36	2.08	13.30	17.51	20.44	17.20	14.34	NORM	NORM	WET	WET	WET	1998
1999	0.55	3.76	1.17	5.57	0.98	1.96	1.79	11.58	22.81	15.25	13.41	10.27	NORM	WET	NORM	WET	NORM	1999
2000	1.48	4.74	0.78	0.43	2.21	0.49	1.19	13.30	7.59	8.27	6.32	6.76	NORM	DRY	DRY	DRY	NORM	2000
2001	0.83	2.46	1.67	3.22	4.96	1.26	0.33	10.76	15.46	22.99	16.92	8.47	NORM	NORM	WET	WET	NORM	2001
2002	1.42	1.69	1.68	1.23	0.74	2.38	2.47	9.84	8.74	6.36	9.85	12.91	NORM	DRY	DRY	NORM	WET	2002
2003	1.88	1.96	1.95	2.80	0.05	1.89	1.58	11.65	14.26	7.70	8.57	8.57	NORM	NORM	DRY	NORM	NORM	2003
2004	0.91	0.32	0.97	0.89	2.46	0.98	2.39	4.46	4.93	10.13	8.75	11.59	DRY	DRY	NORM	NORM	WET	2004
2005	1.68	2.73	2.66	6.24	2.07	1.91	0.37	15.12	26.77	21.35	16.11	7.00	NORM	WET	WET	WET	NORM	2005
2006	0.93	1.35	2.11	1.35	3.15	1.34	0.91	9.96	9.62	14.26	11.67	8.56	NORM	DRY	NORM	NORM	NORM	2006
2007	1.74	1.09	1.72	0.67	3.50	2.05	0.83	9.08	6.54	13.56	13.82	10.09	NORM	DRY	NORM	WET	NORM	2007
2008	0.74	0.85	4.66	1.92	3.10	1.43	1.00	16.42	15.93	17.80	12.41	8.96	WET	NORM	WET	NORM	NORM	2008
2009	1.68	3.32	0.63	2.11	1.97	0.73	0.76	10.21	10.91	10.76	8.24	5.71	NORM	NORM	NORM	NORM	NORM	2009
2010	0.39	2.52	3.30	3.45	1.63	1.15	0.24	15.33	19.47	15.09	10.16	4.65	NORM	WET	NORM	NORM	DRY	2010
2011	0.44	0.47	4.74	1.30	2.00	1.27	0.74	15.60	13.85	13.34	9.11	6.76	NORM	NORM	NORM	NORM	NORM	2011
2012	0.06	1.30	2.54	1.17	1.60	1.00	0.10	10.28	9.89	9.68	7.37	3.90	NORM	NORM	NORM	NORM	DRY	2012
2013	0.10	2.33	1.89	0.61	1.66	2.09	0.93	10.43	7.94	8.09	10.20	8.63	NORM	DRY	DRY	NORM	NORM	2013
2014	0.58	1.99	2.96	4.02	0.52	2.51	5.04	13.44	19.97	12.56	12.59	20.66	NORM	WET	NORM	NORM	WET	2014
2015	0.33	1.14	5.57	7.55	2.66	0.96	0.38	19.32	34.93	28.65	15.75	5.72	WET	WET	WET	WET	NORM	2015
2016	1.89	1.78	1.48	0.54	2.48	1.91	1.18	9.89	6.36	10.00	11.23	9.84	NORM	DRY	NORM	NORM	NORM	2016
2017	0.72	2.28	1.37	2.20	1.25	1.08	0.95	9.39	11.62	9.52	7.94	6.26	NORM	NORM	NORM	NORM	NORM	2017
2018	0.74	1.70	5.09	3.63	3.66	0.83	1.12	19.41	22.77	23.33	13.44	8.68	WET	WET	WET	WET	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.6	0.95	1.15	March	0.95
April	1.29	2.11	2.56	April	2.11
May	1.83	2.66	3.17	May	2.66
June	1.58	2.51	3.03	June	2.51
July	1.27	1.95	2.34	July	1.95
August	1.01	1.56	1.88	August	1.56
Sept.	0.51	1.23	1.50	Sept.	1.23

NOTE:

Hot Springs NWS Station (SD4007) was used for Jun 2008.

Jun-MAM	8.67	13.15	15.78
Jul-JMA	9.69	14.96	17.99
Aug-JJM	8.80	13.53	16.25
Sep-AJJ	7.15	11.09	13.35
Oct-SAJ	4.82	8.76	10.60

Rainfall Data
Edgemont 23 NNW
Station #SD2565
Custer County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	2.38	2.16	3.23	2.09	0.97	1.85	0.39	16.39	14.89	10.32	9.58	5.84	WET	NORM	NORM	NORM	NORM	1980
1981	0.66	0.74	3.22	1.73	2.54	1.00	0.16	11.80	12.37	14.30	9.81	5.02	NORM	NORM	NORM	NORM	DRY	1981
1982	1.34	1.00	4.18	4.45	2.20	3.29	2.42	15.88	22.71	19.68	18.72	16.04	WET	WET	WET	WET	WET	1982
1983	0.89	0.75	1.95	4.25	1.05	3.31	0.28	8.24	17.40	13.60	16.28	8.51	NORM	NORM	NORM	WET	NORM	1983
1984	0.77	3.29	3.26	1.88	2.40	1.62	0.47	17.13	15.45	14.22	11.54	7.05	WET	NORM	NORM	NORM	NORM	1984
1985	0.77	3.15	1.05	1.03	1.20	0.50	1.99	10.22	8.34	6.71	4.93	8.17	NORM	DRY	DRY	DRY	NORM	1985
1986	0.52	3.27	1.07	4.87	1.63	1.19	3.52	10.27	20.02	15.70	11.70	14.57	NORM	WET	NORM	NORM	WET	1986
1987	1.35	0.69	2.97	0.59	1.71	1.04	0.76	11.64	8.40	9.28	7.13	6.07	NORM	DRY	DRY	DRY	NORM	1987
1988	1.17	0.63	2.54	2.88	2.18	1.87	0.84	10.05	14.35	14.84	12.85	8.44	NORM	NORM	NORM	NORM	NORM	1988
1989	1.14	1.67	1.41	1.20	2.21	1.46	3.94	8.71	8.09	10.44	10.00	16.95	NORM	DRY	NORM	NORM	WET	1989
1990	1.21	2.94	2.38	1.35	2.51	1.15	1.36	14.23	11.75	12.61	9.82	8.89	WET	NORM	NORM	NORM	NORM	1990
1991	0.24	1.84	6.77	4.03	0.80	1.41	0.22	24.23	27.47	17.23	9.86	4.28	WET	WET	WET	NORM	DRY	1991
1992	1.23	0.98	1.83	4.21	3.97	1.66	0.33	8.68	17.27	22.16	17.13	8.28	NORM	NORM	WET	WET	NORM	1992
1993	0.35	0.59	3.10	6.63	4.18	1.88	1.00	10.83	26.68	28.90	20.63	10.94	NORM	WET	WET	WET	WET	1993
1994	0.70	1.96	1.49	2.39	0.79	0.92	0.17	9.09	12.11	8.64	6.73	3.14	NORM	NORM	DRY	DRY	DRY	1994
1995	0.93	1.32	3.88	4.85	1.69	1.35	1.79	15.21	23.63	18.65	12.28	9.76	WET	WET	WET	NORM	NORM	1995
1996	1.15	2.96	4.30	1.20	1.57	3.71	1.41	19.97	15.16	11.41	15.47	13.22	WET	NORM	NORM	WET	WET	1996
1997	0.29	2.37	1.75	1.89	5.37	0.69	1.82	10.28	11.54	21.64	14.70	12.21	NORM	NORM	WET	NORM	WET	1997
1998	1.93	0.49	2.59	4.69	3.20	2.36	1.24	10.68	19.74	21.57	18.17	11.64	NORM	WET	WET	WET	WET	1998
1999	0.00	2.44	1.93	4.83	0.67	3.93	1.27	10.67	20.79	13.60	17.96	12.34	NORM	WET	NORM	WET	WET	1999
2000	0.47	2.78	1.13	2.37	2.30	0.49	0.78	9.42	12.15	12.77	8.44	5.62	NORM	NORM	NORM	DRY	DRY	2000
2001	0.84	1.98	1.62	3.22	1.87	2.00	0.33	9.66	14.88	13.67	12.96	6.86	NORM	NORM	NORM	NORM	NORM	2001
2002	1.40	1.28	2.96	0.81	1.38	2.38	2.88	12.84	9.63	8.72	10.71	14.78	NORM	DRY	DRY	NORM	WET	2002
2003	1.88	1.43	1.46	4.27	0.61	3.79	1.80	9.12	17.16	11.83	16.86	13.59	NORM	NORM	NORM	WET	WET	2003
2004	0.50	0.85	1.50	2.37	2.47	0.60	1.97	6.70	10.96	13.65	9.11	9.58	DRY	NORM	NORM	NORM	NORM	2004
2005	1.04	2.83	2.66	3.01	1.15	2.42	1.00	14.68	17.18	12.13	12.57	8.99	WET	NORM	NORM	NORM	NORM	2005
2006	0.93	1.42	2.11	0.78	1.33	1.63	0.91	10.10	7.98	7.66	8.33	7.32	NORM	DRY	DRY	DRY	NORM	2006
2007	1.05	1.20	2.34	0.67	3.50	2.05	0.83	10.47	7.89	14.18	13.82	10.09	NORM	DRY	NORM	NORM	NORM	2007
2008	0.74	0.83	4.66	1.97	3.10	3.26	1.00	16.38	16.06	17.90	17.95	12.62	WET	NORM	WET	WET	WET	2008
2009	0.71	3.32	0.63	3.24	2.12	0.73	0.76	9.24	14.30	13.47	9.67	5.86	NORM	NORM	NORM	NORM	NORM	2009
2010	0.39	2.31	3.63	6.25	3.26	0.27	0.63	15.90	28.32	25.91	13.58	5.69	WET	WET	WET	NORM	DRY	2010
2011	1.03	1.38	5.62	1.30	2.00	1.27	0.74	20.65	16.52	14.22	9.11	6.76	WET	NORM	NORM	NORM	NORM	2011
2012	0.06	1.03	1.90	2.65	1.65	0.03	0.05	7.82	12.78	12.15	6.04	1.86	DRY	NORM	NORM	DRY	DRY	2012
2013	0.31	2.71	2.60	2.64	3.84	2.47	1.71	13.53	15.83	19.40	17.73	13.91	NORM	NORM	WET	WET	WET	2013
2014	1.21	1.42	1.88	4.80	0.90	1.00	0.83	9.69	19.58	14.18	9.60	5.39	NORM	WET	NORM	NORM	DRY	2014
2015	0.24	1.46	4.37	5.48	4.06	1.43	0.47	16.27	26.64	27.51	17.89	8.33	WET	WET	WET	WET	NORM	2015
2016	1.89	1.78	1.48	0.54	2.48	1.91	1.18	9.89	6.36	10.00	11.23	9.84	NORM	DRY	NORM	NORM	NORM	2016
2017	0.50	1.79	1.97	1.34	1.66	0.60	1.78	9.99	9.75	9.63	6.46	8.20	NORM	DRY	DRY	DRY	NORM	2017
2018	0.95	1.67	5.78	4.51	6.20	1.11	1.05	21.63	26.76	33.40	20.24	11.57	WET	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.47	0.83	1.02	March	0.83
April	1.05	1.71	2.07	April	1.71
May	1.81	2.48	2.92	May	2.48
June	1.81	2.71	3.25	June	2.71
July	1.44	2.16	2.59	July	2.16
August	1.29	1.79	2.11	August	1.79
Sept.	0.56	1.03	1.26	Sept.	1.03

Note:

Edgemont NWS Station (SD2557) was used for 1980-1989; Aug 1998; Aug 2000; Jun, Sep 2001; Aug 2002; Mar 2003; May 2005; Mar, May, Sep 2006; Jun-Sep 2007; Mar, May, Jun, Sep 2008; Apr, May, Aug, Sep 2009; Mar 2010; Jun-Sep 2011; Mar, Apr 2012.

Jun-MAM	8.00	11.69	13.92
Jul-JMA	10.10	14.80	17.66
Aug-JJM	9.75	14.38	17.19
Sep-AJJ	8.56	12.40	14.76
Oct-SAJ	5.70	8.83	10.59

Rainfall Data
 Elm Springs 3 ESE
 Station #SD2647
 Meade County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.73	1.15	1.15	2.20	0.75	1.12	0.82	6.48	10.05	7.80	7.06	5.45	DRY	NORM	DRY	NORM	NORM	1980
1981	0.11	0.07	1.86	1.91	3.62	1.91	0.98	5.83	9.52	16.54	14.88	10.38	DRY	DRY	NORM	WET	WET	1981
1982	2.59	0.74	11.31	2.58	2.63	3.52	1.32	38.00	31.10	24.36	18.40	13.63	WET	WET	WET	WET	WET	1982
1983	1.61	1.09	2.89	2.16	0.94	2.21	0.34	12.46	13.35	10.03	10.67	6.38	NORM	NORM	NORM	NORM	NORM	1983
1984	0.47	3.31	1.76	3.62	3.88	2.24	1.23	12.37	17.69	20.64	18.10	12.05	NORM	NORM	WET	WET	WET	1984
1985	1.19	0.60	1.30	1.90	0.68	0.69	1.34	6.29	8.90	7.14	5.33	6.08	DRY	DRY	DRY	DRY	NORM	1985
1986	0.93	4.78	2.79	3.14	1.28	1.59	3.91	18.86	19.78	12.91	10.47	16.19	WET	NORM	NORM	NORM	WET	1986
1987	2.18	0.05	4.93	0.79	2.61	3.57	0.37	17.07	12.28	14.34	16.72	10.86	NORM	NORM	NORM	WET	WET	1987
1988	1.36	0.58	3.16	3.64	0.32	1.46	1.13	12.00	17.82	11.40	8.66	6.63	NORM	NORM	NORM	NORM	NORM	1988
1989	1.43	1.56	1.07	0.86	0.65	1.55	2.74	7.76	6.28	4.74	6.81	11.97	DRY	DRY	DRY	NORM	WET	1989
1990	1.14	0.98	2.90	1.55	0.99	1.51	0.97	11.80	11.43	8.97	8.06	6.92	NORM	NORM	NORM	NORM	NORM	1990
1991	0.68	2.27	4.99	4.47	1.45	1.78	0.86	20.19	25.66	18.28	12.71	7.59	WET	WET	WET	NORM	NORM	1991
1992	0.87	0.70	2.20	4.52	2.60	0.63	0.48	8.87	18.66	19.04	11.61	5.30	NORM	NORM	WET	NORM	NORM	1992
1993	0.89	2.62	4.79	3.67	4.03	0.73	1.54	20.50	23.21	24.22	13.92	10.11	WET	WET	WET	WET	NORM	1993
1994	0.17	1.17	0.53	2.84	0.69	1.61	0.43	4.10	10.75	8.28	9.05	5.20	DRY	NORM	DRY	NORM	NORM	1994
1995	1.01	1.86	8.18	4.09	1.79	0.32	0.63	29.27	30.49	21.73	8.63	4.32	WET	WET	WET	NORM	NORM	1995
1996	1.10	1.67	5.41	0.59	1.61	2.07	1.92	20.67	14.26	11.42	10.02	11.51	WET	NORM	NORM	NORM	WET	1996
1997	0.45	3.33	5.77	3.74	4.27	1.39	0.96	24.42	26.09	26.06	16.45	9.93	WET	WET	WET	WET	NORM	1997
1998	2.27	0.56	2.32	5.79	1.21	2.27	1.38	10.35	22.57	17.53	15.02	9.89	NORM	WET	WET	WET	NORM	1998
1999	1.65	3.55	2.13	4.16	2.51	2.54	0.93	15.14	20.29	17.98	16.80	10.38	NORM	WET	WET	WET	WET	1999
2000	2.13	4.57	1.96	2.87	2.81	0.07	0.36	17.15	17.10	16.13	8.70	4.03	NORM	NORM	NORM	NORM	NORM	2000
2001	0.37	1.82	2.61	2.16	3.69	0.45	0.25	11.84	13.52	18.00	10.89	5.34	NORM	NORM	WET	NORM	NORM	2001
2002	1.06	1.74	1.99	0.45	0.87	1.10	1.86	10.51	7.07	5.50	5.49	8.65	NORM	DRY	DRY	DRY	NORM	2002
2003	1.82	2.35	1.54	2.88	1.39	0.15	2.11	11.14	14.07	11.47	6.11	8.02	NORM	NORM	NORM	DRY	NORM	2003
2004	1.35	0.24	4.65	1.42	1.61	1.26	3.45	15.78	13.80	12.32	8.42	14.48	NORM	NORM	NORM	NORM	WET	2004
2005	1.15	1.02	4.86	2.87	1.07	1.55	1.01	17.77	19.35	13.81	9.66	7.20	WET	NORM	NORM	NORM	NORM	2005
2006	1.51	2.31	1.28	0.66	0.63	1.35	3.14	9.97	6.85	4.49	5.97	12.75	NORM	DRY	DRY	DRY	WET	2006
2007	1.48	1.27	2.98	3.48	0.16	1.98	0.27	12.96	17.67	10.42	9.74	4.93	NORM	NORM	NORM	NORM	NORM	2007
2008	0.64	1.31	8.41	4.62	2.25	1.59	0.65	28.49	31.99	24.40	13.89	7.38	WET	WET	WET	WET	NORM	2008
2009	2.50	2.90	1.55	2.27	2.84	2.44	0.20	12.95	12.81	14.61	15.27	8.32	NORM	NORM	NORM	WET	NORM	2009
2010	0.76	2.96	4.92	2.85	1.45	1.43	2.46	21.44	21.35	14.97	10.04	11.69	WET	WET	NORM	NORM	WET	2010
2011	1.12	1.74	6.68	3.11	2.37	2.91	1.02	24.64	24.43	20.01	16.58	11.25	WET	WET	WET	WET	WET	2011
2012	0.07	1.97	1.46	1.58	0.82	0.95	0.02	8.39	9.63	7.08	6.07	2.78	NORM	NORM	DRY	DRY	DRY	2012
2013	0.48	1.95	4.39	1.52	4.09	1.44	1.57	17.55	15.29	19.70	14.02	11.68	WET	NORM	WET	WET	WET	2013
2014	0.42	1.21	2.52	5.53	0.13	1.88	2.18	10.40	22.84	13.97	11.43	10.43	NORM	WET	NORM	NORM	WET	2014
2015	0.00	1.10	8.27	7.65	1.58	4.82	0.70	27.01	40.59	28.31	25.27	13.32	WET	WET	WET	WET	WET	2015
2016	1.32	3.78	1.48	1.53	1.45	2.35	1.98	13.32	11.33	8.89	11.48	12.09	NORM	NORM	NORM	NORM	WET	2016
2017	1.03	2.42	1.56	0.99	2.98	0.55	1.17	10.55	8.51	12.48	8.60	7.59	NORM	DRY	NORM	NORM	NORM	2017
2018	1.25	1.57	3.99	7.17	3.11	1.44	0.92	16.36	31.06	27.66	17.71	8.75	NORM	WET	WET	WET	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.49	1.12	1.36	March	1.12
April	0.82	1.79	2.18	April	1.79
May	1.90	3.22	3.90	May	3.22
June	1.66	2.72	3.30	June	2.72
July	1.04	1.90	2.32	July	1.90
August	0.83	1.54	1.88	August	1.54
Sept.	0.39	1.12	1.37	Sept.	1.12

NOTE:

Wasta NWS Station (SD8911) was used for Apr 2008.

Jun-MAM	7.83	14.36	17.42
Jul-JMA	9.60	16.39	19.88
Aug-JJM	8.34	14.36	17.46
Sep-AJJ	6.23	11.14	13.58
Oct-SAJ	3.87	8.34	10.19

Rainfall Data
Eureka
Station #SD2797
McPherson County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1957	0.10	2.65	3.91	3.51	3.61	4.06	2.75	17.13	21.00	21.76	22.91	19.98	WET	WET	WET	WET	WET	1957
1964	0.43	2.37	2.95	9.59	2.37	0.80	0.74	14.02	37.04	29.24	16.73	6.19	NORM	WET	WET	NORM	NORM	1964
1970	0.32	2.03	2.89	3.95	2.51	0.68	1.92	13.05	19.66	18.32	11.01	9.63	NORM	NORM	NORM	NORM	NORM	1970
1974	0.91	2.67	3.03	0.47	1.93	3.46	0.08	15.34	10.14	9.76	14.71	9.09	WET	NORM	DRY	NORM	NORM	1974
1977	2.40	1.04	1.94	1.88	1.73	2.80	2.57	10.30	10.56	10.89	13.74	15.04	NORM	NORM	NORM	NORM	WET	1977
1978	0.27	1.85	3.09	5.04	1.68	2.80	0.43	13.24	23.15	18.21	16.80	8.57	NORM	WET	NORM	NORM	NORM	1978
1980	0.43	0.35	0.64	1.85	2.71	3.62	0.71	3.05	7.18	12.47	18.13	12.08	DRY	DRY	NORM	NORM	NORM	1980
1981	1.48	0.38	1.75	3.27	6.13	2.73	1.50	7.49	13.69	26.68	23.72	16.09	NORM	NORM	WET	WET	WET	1981
1982	0.87	0.84	3.44	1.31	0.86	0.24	0.76	12.87	11.65	8.64	3.75	3.62	NORM	NORM	DRY	DRY	DRY	1982
1983	1.73	1.04	2.12	2.64	4.40	3.58	1.26	10.17	13.20	20.60	22.18	15.34	NORM	NORM	NORM	WET	WET	1983
1984	1.33	3.02	1.43	6.12	1.43	0.55	0.67	11.66	24.24	17.96	10.63	4.54	NORM	WET	NORM	NORM	DRY	1984
1985	0.63	0.64	2.73	2.23	1.30	2.92	1.92	10.10	12.79	11.09	13.59	12.90	NORM	NORM	NORM	NORM	NORM	1985
1986	0.95	5.30	5.43	1.42	3.04	3.06	3.09	27.84	20.42	17.39	16.68	18.43	WET	WET	NORM	NORM	WET	1986
1987	1.09	0.07	2.87	1.40	3.95	3.77	0.95	9.84	10.01	17.52	20.61	14.34	NORM	DRY	NORM	WET	WET	1987
1988	0.15	0.18	1.49	1.14	0.63	1.64	1.22	4.98	6.58	5.66	7.32	7.57	DRY	DRY	DRY	DRY	NORM	1988
1989	1.91	5.30	1.65	1.90	1.16	1.80	0.79	17.46	14.30	8.93	9.62	7.13	WET	NORM	DRY	NORM	NORM	1989
1990	0.67	1.90	0.80	5.08	2.94	4.65	2.06	6.87	18.74	19.78	24.91	18.42	DRY	NORM	NORM	WET	WET	1990
1991	0.32	2.44	6.61	5.35	1.26	0.81	0.28	25.03	31.71	21.09	10.30	3.72	WET	WET	WET	NORM	DRY	1991
1992	0.45	0.61	2.20	4.76	5.33	4.86	1.80	8.27	19.29	27.71	30.00	20.45	NORM	NORM	WET	WET	WET	1992
1993	0.20	0.82	3.54	6.50	10.34	4.36	0.99	12.46	27.40	47.56	40.26	22.03	NORM	WET	WET	WET	WET	1993
1994	0.42	1.86	1.14	1.92	6.06	2.21	1.05	7.56	9.90	23.16	20.67	13.63	NORM	DRY	WET	WET	NORM	1994
1995	1.32	2.10	3.73	5.79	4.23	1.22	1.15	16.71	26.93	28.00	17.91	10.12	WET	WET	WET	NORM	NORM	1995
1996	0.51	0.54	4.57	2.79	1.36	1.11	4.24	15.30	18.05	14.23	8.84	16.30	WET	NORM	NORM	NORM	WET	1996
1997	0.59	2.80	1.87	4.21	1.33	0.53	0.48	11.80	19.17	14.28	8.46	3.83	NORM	NORM	NORM	DRY	DRY	1997
1998	1.07	1.09	1.22	2.55	3.22	4.70	0.68	6.91	11.18	15.98	23.09	14.66	DRY	NORM	NORM	WET	WET	1998
1999	0.48	2.08	5.20	3.45	3.17	2.86	4.49	20.24	22.83	21.61	18.37	22.36	WET	WET	WET	NORM	WET	1999
2000	1.58	1.24	3.04	4.30	2.92	1.68	0.89	13.18	20.22	20.40	15.18	8.95	NORM	WET	NORM	NORM	NORM	2000
2001	0.04	3.41	1.52	4.27	3.43	1.09	2.08	11.42	19.26	20.35	14.40	11.85	NORM	NORM	NORM	NORM	NORM	2001
2002	0.53	1.01	1.03	1.13	4.29	2.88	0.79	5.64	6.46	16.16	18.35	12.42	DRY	DRY	NORM	NORM	NORM	2002
2003	0.22	2.00	4.59	4.23	1.72	0.34	1.21	17.99	23.87	18.21	8.69	6.03	WET	WET	NORM	DRY	NORM	2003
2004	1.62	0.75	3.81	3.51	1.79	2.06	3.78	14.55	18.90	16.20	13.27	17.25	NORM	NORM	NORM	NORM	WET	2004
2005	0.17	0.8	3.31	7.21	1.34	2.58	0.69	11.70	29.05	21.75	17.63	8.57	NORM	WET	WET	NORM	NORM	2005
2006	0.17	0.93	1.04	0.71	0.72	3.20	1.94	5.15	5.14	4.62	11.75	12.94	DRY	DRY	DRY	NORM	NORM	2006
2007	2.47	1.94	5.77	9.16	1.11	3.14	1.38	23.66	40.96	27.42	20.80	11.53	WET	WET	WET	WET	NORM	2007
2008	0.71	0.73	1.33	5.73	3.68	2.73	3.74	6.16	20.58	23.83	21.28	20.36	DRY	WET	WET	WET	WET	2008
2009	1.82	1.60	1.13	4.31	3.86	1.82	1.46	8.41	16.79	21.33	17.49	11.88	NORM	NORM	WET	NORM	NORM	2009
2010	1.59	2.07	5.65	1.51	1.45	0.19	3.51	22.68	17.90	13.02	4.98	12.36	WET	NORM	NORM	DRY	NORM	2010
2011	1.29	3.61	2.69	5.83	3.68	2.41	0.11	16.58	26.48	25.39	20.42	8.83	WET	WET	WET	WET	NORM	2011
2012	0.03	2.83	2.79	1.81	1.35	1.62	0.01	14.06	13.84	10.46	9.37	4.62	NORM	NORM	NORM	NORM	DRY	2012
2013	0.37	1.82	5.68	1.58	4.64	0.88	2.82	21.05	17.92	22.76	13.50	14.86	WET	NORM	WET	NORM	WET	2013
2014	0.55	2.26	2.00	4.61	0.24	3.47	0.45	11.07	20.09	11.94	15.50	8.53	NORM	WET	NORM	NORM	NORM	2014
2015	0.21	0.38	4.79	2.37	2.16	1.88	0.87	15.34	17.07	16.01	12.33	8.53	WET	NORM	NORM	NORM	NORM	2015
2016	0.61	2.83	4.49	2.32	3.27	2.30	1.94	19.74	18.77	18.94	15.76	13.69	WET	NORM	NORM	NORM	NORM	2016
2017	0.43	0.69	0.91	2.38	2.50	4.38	2.86	4.54	9.65	13.17	20.52	19.84	DRY	DRY	NORM	WET	WET	2017
2018	1.55	1.30	4.49	4.00	2.41	1.49	2.86	17.62	22.28	19.72	13.29	13.97	WET	WET	NORM	NORM	NORM	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data	
	Bound	N	Bound			
March	0.48	0.93	1.13		March	0.93
April	0.83	1.79	2.18		April	1.79
May	1.65	2.63	3.17		May	2.63
June	1.97	3.17	3.82		June	3.17
July	1.53	2.78	3.40		July	2.78
August	1.25	2.30	2.81		August	2.30
Sept.	0.64	1.43	1.74		Sept.	1.43
NOTE: Artas 1 S NWS (SD0306) was used for Mar-May 2015.						
Jun-MAM	7.09	12.40	15.00			
Jul-JMA	10.04	16.56	19.98			
Aug-JJM	10.18	17.31	21.01			
Sep-AJJ	8.78	15.63	19.05			
Oct-SAJ	5.95	11.67	14.24			

Rainfall Data
Faith
Station #SD2852
Meade County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1980	0.40	0.89	0.89	2.13	1.65	2.12	0.50	4.85	9.06	10.10	11.79	7.39	DRY	DRY	DRY	NORM	NORM	1980
1981	0.00	0.07	2.34	4.08	3.22	2.00	1.70	7.16	16.99	20.16	16.52	12.32	DRY	NORM	WET	WET	WET	1981
1982	4.43	1.07	7.23	1.19	3.49	2.49	1.58	28.26	19.10	20.08	15.64	13.21	WET	NORM	WET	WET	WET	1982
1983	0.68	0.79	2.17	3.27	1.46	1.33	0.95	8.77	14.94	13.09	10.18	6.97	NORM	NORM	NORM	NORM	NORM	1983
1984	0.50	2.36	2.39	3.71	2.16	2.95	0.68	12.39	18.27	16.29	16.88	10.10	NORM	NORM	NORM	WET	NORM	1984
1985	1.52	0.93	3.00	2.38	0.89	1.11	1.29	12.38	14.07	10.43	7.49	6.98	NORM	NORM	DRY	NORM	NORM	1985
1986	0.92	4.61	4.07	3.23	2.74	0.47	3.21	22.35	22.44	18.75	10.12	13.31	WET	WET	NORM	NORM	WET	1986
1987	2.90	0.14	5.06	0.76	2.08	3.53	0.37	18.36	12.54	12.82	15.51	10.25	WET	NORM	NORM	WET	NORM	1987
1988	1.23	0.43	2.96	1.13	1.62	0.45	0.52	10.97	9.74	10.08	5.72	4.08	NORM	DRY	DRY	DRY	DRY	1988
1989	2.32	3.61	1.19	0.97	2.28	1.24	2.23	13.11	8.90	9.97	9.25	11.45	NORM	DRY	DRY	NORM	WET	1989
1990	0.37	1.34	1.88	2.68	2.28	0.35	0.92	8.69	13.14	14.08	8.29	5.74	NORM	NORM	NORM	NORM	NORM	1990
1991	1.02	2.15	2.54	2.32	1.60	0.79	1.57	12.94	14.19	11.98	7.89	7.89	NORM	NORM	NORM	NORM	NORM	1991
1992	0.64	0.39	1.23	3.60	4.55	1.43	0.76	5.11	13.65	22.08	16.99	9.69	DRY	NORM	WET	WET	NORM	1992
1993	1.83	1.77	3.52	4.55	7.76	0.43	0.80	15.93	22.46	35.90	21.36	11.02	NORM	WET	WET	WET	WET	1993
1994	0.35	1.66	0.67	3.02	4.07	0.62	1.00	5.68	12.06	18.92	13.02	8.31	DRY	NORM	NORM	NORM	NORM	1994
1995	1.12	2.62	4.72	4.18	2.08	2.51	1.32	20.52	24.60	19.32	15.87	11.06	WET	WET	NORM	WET	WET	1995
1996	0.83	1.58	6.79	1.33	0.79	0.99	5.04	24.36	19.15	11.82	5.88	17.89	WET	NORM	NORM	DRY	WET	1996
1997	0.39	4.75	3.40	1.78	4.22	2.87	0.43	20.09	16.89	19.62	18.83	11.25	DRY	NORM	NORM	WET	WET	1997
1998	0.88	0.78	1.46	4.00	2.03	1.18	0.08	6.82	15.70	15.55	11.60	4.63	DRY	NORM	NORM	NORM	NORM	1998
1999	1.10	2.61	3.09	4.37	2.93	2.37	0.63	15.59	21.90	20.62	17.34	9.56	NORM	WET	WET	WET	NORM	1999
2000	2.36	4.17	4.53	2.67	2.54	0.11	0.32	24.29	21.24	17.49	8.08	3.72	WET	WET	NORM	NORM	DRY	2000
2001	0.19	1.79	1.74	2.12	5.18	0.00	0.92	8.99	11.63	21.52	12.48	7.94	NORM	NORM	WET	NORM	NORM	2001
2002	0.66	0.49	0.95	2.01	0.83	0.78	1.17	4.49	8.42	7.46	6.01	5.90	DRY	DRY	DRY	DRY	NORM	2002
2003	1.01	1.21	1.82	2.05	0.08	0.26	1.51	8.89	11.00	6.16	2.99	5.13	NORM	NORM	DRY	DRY	NORM	2003
2004	0.83	1.16	3.69	1.52	4.80	1.29	3.68	14.22	13.10	21.13	14.99	18.42	NORM	NORM	WET	WET	WET	2004
2005	0.80	1.72	4.02	3.11	2.46	1.40	0.60	16.30	19.09	17.62	12.23	7.06	NORM	NORM	NORM	NORM	NORM	2005
2006	1.29	1.32	0.63	3.46	0.46	3.20	3.38	5.82	12.96	8.93	13.98	17.00	DRY	NORM	DRY	NORM	WET	2006
2007	1.59	1.54	3.66	2.51	5.38	2.42	0.81	15.65	16.39	24.82	20.53	12.65	NORM	NORM	WET	WET	WET	2007
2008	0.68	1.96	5.12	6.03	4.50	2.12	1.00	19.96	30.29	30.68	21.39	11.74	WET	WET	WET	WET	WET	2008
2009	2.13	1.79	2.22	2.37	3.29	2.84	1.04	12.37	13.34	16.83	17.47	12.09	NORM	NORM	NORM	WET	WET	2009
2010	0.86	2.51	5.43	4.65	1.08	1.03	3.53	22.17	27.32	17.97	9.90	13.73	WET	WET	NORM	NORM	WET	2010
2011	1.45	2.71	4.25	3.19	2.34	2.67	0.43	19.62	20.78	17.65	15.88	8.97	WET	WET	NORM	WET	NORM	2011
2012	0.57	2.47	2.35	3.04	1.82	0.28	0.04	12.56	16.29	13.89	7.52	2.50	NORM	NORM	NORM	NORM	DRY	2012
2013	0.43	1.48	5.46	1.26	1.57	1.90	1.10	19.77	16.18	12.69	10.10	8.67	WET	NORM	NORM	NORM	NORM	2013
2014	1.19	1.89	1.61	5.93	0.43	5.57	1.14	9.80	22.90	14.76	23.50	14.99	NORM	WET	NORM	WET	WET	2014
2015	0.15	0.50	6.16	2.64	0.58	2.51	0.56	19.63	20.74	13.18	11.33	7.28	WET	WET	NORM	NORM	NORM	2015
2016	0.83	4.02	0.49	1.69	1.85	1.23	1.39	10.34	10.07	9.42	9.08	8.48	NORM	DRY	DRY	NORM	NORM	2016
2017	0.50	1.55	1.21	2.48	0.65	1.06	0.97	7.23	11.41	8.12	6.96	5.68	DRY	NORM	DRY	DRY	NORM	2017
2018	1.27	1.65	2.68	2.90	1.15	0.61	1.42	12.61	15.71	11.93	7.03	6.63	NORM	NORM	NORM	DRY	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.55	1.15	1.41	March	1.15
April	0.89	1.88	2.30	April	1.88
May	1.94	3.05	3.68	May	3.05
June	1.86	2.81	3.37	June	2.81
July	1.64	2.65	3.20	July	2.65
August	0.67	1.32	1.61	August	1.32
Sept.	0.44	1.23	1.49	Sept.	1.23

NOTE:

Faith NWS Station (SD2852) has not collected data as of 2013.

Faith NWS Station (SD2852) has been replaced with Faith MUNI AP NWS Station (SD056) as of 2013.

Dupree 15 SSE NWS Station (SD2446) was used for Aug 2002.

Faith MUNI AP NWS Station (SD056) was used for Apr, May 2012.

Jun-MAM	8.15	14.06	17.05
Jul-JMA	10.35	16.41	19.77
Aug-JJM	10.58	16.62	20.02
Sep-AJJ	7.15	12.07	14.60
Oct-SAJ	4.30	8.98	10.89

Rainfall Data
Faulkton 1 NW
Station #SD2927
Faulk County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1947	0.87	3.82	0.79	6.28	0.41	0.89	1.63	10.88	24.24	14.58	9.77	7.08	NORM	WET	NORM	DRY	NORM	1947
1948	0.48	1.77	0.68	6.36	3.98	1.59	0.64	6.06	22.21	25.34	19.09	9.08	DRY	WET	WET	NORM	NORM	1948
1952	0.46	0.00	0.99	3.71	2.06	1.69	0.00	3.43	13.11	14.59	12.90	5.44	DRY	NORM	NORM	NORM	DRY	1952
1957	0.21	2.06	6.89	5.20	3.12	2.05	1.50	25.00	31.44	26.65	17.59	11.72	WET	WET	WET	NORM	NORM	1957
1968	0.57	5.87	1.86	5.08	3.06	2.41	1.62	17.89	24.83	21.20	18.43	12.74	WET	WET	WET	NORM	NORM	1968
1970	0.34	2.85	2.95	3.51	0.52	0.73	0.89	14.89	19.28	11.53	6.74	4.65	NORM	NORM	NORM	DRY	DRY	1970
1974	0.53	2.22	4.97	1.22	1.37	0.87	0.00	19.88	15.82	11.52	6.57	3.11	WET	NORM	NORM	DRY	DRY	1974
1978	0.24	2.85	3.57	2.35	2.37	4.05	0.45	16.65	17.04	15.38	19.24	11.82	NORM	NORM	NORM	NORM	NORM	1978
1980	0.39	1.28	0.75	2.53	2.89	4.45	0.57	5.20	10.37	14.48	21.66	13.50	DRY	NORM	NORM	WET	NORM	1980
1981	3.45	0.10	1.21	2.18	3.23	3.43	0.44	7.28	9.06	15.26	18.93	11.41	DRY	DRY	NORM	NORM	NORM	1981
1982	1.00	1.57	4.09	1.41	2.28	0.91	1.62	16.41	13.98	13.75	8.70	8.96	NORM	NORM	NORM	DRY	NORM	1982
1983	2.11	1.33	2.50	4.12	4.31	2.14	2.43	12.27	18.69	23.67	19.16	15.88	NORM	NORM	WET	NORM	NORM	1983
1984	1.46	2.62	2.12	7.00	1.95	0.85	1.25	13.06	27.86	21.97	13.45	7.40	NORM	WET	WET	NORM	NORM	1984
1985	3.91	0.59	1.83	1.26	2.72	4.92	5.41	10.58	8.03	12.51	21.46	28.79	NORM	DRY	NORM	WET	WET	1985
1986	0.76	5.58	2.35	3.64	3.64	2.15	2.15	18.97	21.20	20.55	17.37	14.39	WET	WET	WET	NORM	NORM	1986
1987	2.61	0.25	2.35	0.87	2.39	1.98	0.79	10.16	7.56	11.26	11.59	8.72	NORM	DRY	NORM	NORM	NORM	1987
1988	0.31	1.02	3.41	1.16	1.61	2.25	2.91	12.58	11.32	10.56	11.13	14.84	NORM	NORM	NORM	NORM	NORM	1988
1989	2.69	2.53	1.07	0.83	0.76	2.28	2.81	10.96	7.16	5.01	9.19	13.75	NORM	DRY	DRY	DRY	NORM	1989
1990	0.85	2.59	3.13	4.20	2.87	1.46	1.17	15.42	21.45	20.14	14.32	9.30	NORM	WET	WET	NORM	NORM	1990
1991	0.62	3.67	8.53	3.22	1.29	2.27	1.62	33.55	30.39	18.84	12.61	10.69	WET	WET	NORM	NORM	NORM	1991
1992	0.48	0.34	0.47	4.73	3.39	3.40	1.40	2.57	15.47	20.10	21.71	14.39	DRY	NORM	WET	WET	NORM	1992
1993	1.00	2.32	2.84	4.06	7.39	1.97	1.86	14.16	20.18	33.13	24.75	16.91	NORM	WET	WET	WET	WET	1993
1994	0.40	2.60	0.41	1.19	9.53	2.09	1.54	6.83	6.99	31.38	26.52	18.33	DRY	DRY	WET	WET	WET	1994
1995	2.41	4.70	5.72	3.07	1.98	1.68	0.29	28.97	25.35	17.80	12.07	6.21	WET	WET	NORM	NORM	DRY	1995
1996	0.99	0.16	4.77	1.89	2.27	1.67	7.56	15.62	15.37	15.36	11.44	28.29	NORM	NORM	NORM	NORM	WET	1996
1997	1.12	2.85	2.63	2.49	2.20	1.16	3.97	14.71	15.58	14.21	10.37	16.43	NORM	NORM	NORM	NORM	WET	1997
1998	2.04	1.27	2.80	6.52	1.15	4.83	0.07	12.98	26.43	19.29	23.31	11.02	NORM	WET	NORM	WET	NORM	1998
1999	0.98	2.08	5.33	3.97	0.94	2.61	2.46	21.13	24.65	16.09	13.68	13.54	WET	WET	NORM	NORM	NORM	1999
2000	1.34	3.08	3.71	3.00	1.29	6.64	0.35	18.63	19.50	13.58	25.50	15.62	WET	NORM	NORM	WET	NORM	2000
2001	0.09	4.28	2.45	2.90	2.25	0.45	1.65	16.00	17.88	15.00	8.75	8.10	NORM	NORM	NORM	DRY	NORM	2001
2002	0.74	1.21	1.55	1.91	5.63	4.92	1.06	7.81	10.04	22.26	27.93	18.65	NORM	NORM	WET	WET	WET	2002
2003	0.48	2.13	4.37	3.95	2.21	0.20	0.89	17.85	22.72	18.90	8.97	5.28	WET	WET	NORM	DRY	DRY	2003
2004	2.09	0.77	4.39	3.57	5.85	2.55	3.76	16.80	20.26	29.08	22.92	22.23	NORM	WET	WET	WET	WET	2004
2005	0.19	1.4	2.03	8.68	0.67	1.69	3.79	9.08	31.50	21.40	15.09	15.42	NORM	WET	WET	NORM	NORM	2005
2006	1.07	1.12	0.99	0.75	1.28	3.41	2.76	6.28	5.35	6.33	13.54	16.38	DRY	DRY	DRY	NORM	WET	2006
2007	2.11	3.39	3.53	3.10	0.33	5.15	2.16	19.48	19.75	10.72	19.21	17.11	WET	NORM	NORM	NORM	WET	2007
2008	2.22	1.21	2.74	4.98	6.37	1.75	2.67	12.86	21.63	31.81	22.97	17.88	NORM	WET	WET	WET	WET	2008
2009	1.72	1.14	2.37	4.00	3.03	3.25	1.28	11.11	17.88	19.46	19.81	13.37	NORM	NORM	NORM	WET	NORM	2009
2010	1.67	1.59	5.13	3.34	2.74	1.46	3.78	20.24	21.87	20.03	13.20	17.00	WET	WET	WET	NORM	WET	2010
2011	2.15	2.60	3.56	5.93	2.18	3.41	0.70	18.03	27.51	21.96	20.52	11.10	WET	WET	WET	WET	NORM	2011
2012	0.22	3.93	2.09	2.18	1.21	1.92	0.00	14.35	14.65	10.08	10.36	5.05	NORM	NORM	NORM	NORM	DRY	2012
2013	0.37	2.64	4.98	2.58	1.30	1.55	1.08	20.59	20.34	14.04	9.83	7.64	WET	WET	NORM	DRY	NORM	2013
2014	0.83	1.51	1.86	4.31	0.58	3.60	0.54	9.43	18.16	12.22	16.27	9.40	NORM	NORM	NORM	NORM	NORM	2014
2015	0.27	0.60	6.09	2.38	2.33	2.88	0.71	19.74	19.92	17.84	15.68	10.22	WET	NORM	NORM	NORM	NORM	2015
2016	0.35	3.61	3.06	3.30	1.17	1.04	2.40	16.75	19.63	13.17	8.76	10.45	NORM	NORM	NORM	DRY	NORM	2016
2017	0.77	1.13	0.82	3.38	1.86	3.48	2.84	5.49	12.91	13.16	17.54	17.34	DRY	NORM	NORM	NORM	WET	2017
2018	1.13	1.27	0.76	2.98	4.57	1.30	3.06	5.95	11.73	20.43	16.02	16.35	DRY	NORM	WET	NORM	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.65	1.49	1.82	March	1.49
April	1.00	2.01	2.46	April	2.01
May	1.61	3.00	3.66	May	3.00
June	1.81	2.85	3.43	June	2.85
July	1.49	2.58	3.14	July	2.58
August	1.73	2.68	3.22	August	2.68
Sept.	0.57	1.73	2.12	Sept.	1.73
Jun-MAM	7.48	14.51	17.72		
Jul-JMA	9.65	16.56	20.07		
Aug-JJM	9.70	16.44	19.94		
Sep-AJJ	9.98	16.05	19.37		
Oct-SAJ	6.66	13.13	15.94		

NOTE:

Orient NWS Station (SD6335) was used for Mar 2008.

Rainfall Data
Flandreau
Station #SD2984
Moody County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1940	2.53	2.03	0.28	4.23	0.58	5.30	0.46	7.43	15.28	10.48	21.29	12.56	DRY	NORM	DRY	NORM	NORM	1940
1951	3.07	1.61	4.01	4.85	1.73	4.57	2.58	18.32	24.18	18.90	22.02	18.61	WET	WET	NORM	NORM	NORM	1951
1952	1.37	1.08	2.19	6.89	2.63	3.13	0.58	10.10	26.13	23.86	21.54	10.63	NORM	WET	NORM	NORM	NORM	1952
1953	1.19	3.82	3.80	4.23	1.43	2.72	1.76	20.23	24.11	16.55	15.25	12.15	WET	WET	NORM	NORM	NORM	1953
1954	1.45	1.27	2.36	2.80	1.49	3.81	3.21	11.07	14.39	12.43	17.21	18.74	NORM	NORM	DRY	NORM	NORM	1954
1956	1.44	1.81	1.96	4.69	5.20	3.65	0.58	10.94	19.80	26.94	26.04	14.24	NORM	NORM	WET	WET	NORM	1956
1962	1.07	1.75	4.70	3.44	6.38	1.62	2.43	18.67	21.47	30.72	21.06	16.91	WET	NORM	WET	NORM	NORM	1962
1964	2.00	2.68	1.55	2.78	2.30	3.37	1.92	12.01	14.12	14.01	17.49	14.80	NORM	NORM	NORM	NORM	NORM	1964
1968	0.85	4.17	2.04	4.06	1.93	1.82	4.69	15.31	20.43	15.95	13.38	19.64	NORM	NORM	NORM	NORM	NORM	1968
1976	0.84	1.47	0.62	2.57	0.92	0.65	1.45	5.64	10.42	8.52	6.36	6.57	DRY	DRY	DRY	DRY	DRY	1976
1979	2.12	3.06	3.75	3.13	4.09	6.04	2.00	19.49	19.95	22.28	29.43	22.17	WET	NORM	NORM	WET	WET	1979
1980	0.59	0.51	1.41	3.91	1.88	6.33	0.84	5.84	15.06	14.87	26.66	17.06	DRY	NORM	NORM	WET	NORM	1980
1981	1.41	1.62	0.58	3.28	5.42	5.12	0.83	6.39	12.62	23.40	29.48	18.15	DRY	NORM	NORM	WET	NORM	1981
1982	0.81	1.92	3.88	1.98	5.69	1.72	2.54	16.29	15.62	24.91	18.52	16.75	NORM	NORM	NORM	NORM	NORM	1982
1983	3.49	0.94	2.38	6.52	3.55	3.30	2.27	12.51	25.26	26.07	23.52	16.96	NORM	WET	WET	NORM	NORM	1983
1984	1.91	4.12	3.06	10.05	1.96	0.89	1.23	19.33	40.39	29.04	16.64	7.43	WET	WET	WET	NORM	DRY	1984
1985	1.58	3.95	4.65	1.83	1.35	4.54	4.72	23.43	18.74	12.36	18.15	24.59	WET	NORM	DRY	NORM	WET	1985
1986	0.92	5.55	3.00	3.96	4.13	2.53	9.52	21.02	23.43	23.31	19.81	37.75	WET	NORM	NORM	NORM	WET	1986
1987	3.09	0.34	2.76	1.68	4.48	2.58	2.21	12.05	10.90	19.56	18.38	16.27	NORM	DRY	NORM	NORM	NORM	1987
1988	1.08	2.62	1.64	1.68	0.69	4.31	3.97	11.24	10.94	7.07	15.99	21.22	NORM	DRY	DRY	NORM	WET	1988
1989	1.11	1.32	1.25	3.16	4.66	1.18	4.08	7.50	13.30	21.55	16.02	19.26	DRY	NORM	NORM	NORM	NORM	1989
1990	1.61	1.72	5.30	6.72	2.86	4.82	0.20	20.95	32.48	27.32	26.90	13.10	WET	WET	WET	WET	NORM	1990
1991	0.50	2.71	3.80	5.54	2.76	2.11	2.23	17.32	26.93	23.16	17.39	13.67	NORM	WET	NORM	NORM	NORM	1991
1992	0.76	1.63	0.53	4.76	1.13	4.32	2.28	5.61	16.97	13.44	19.98	16.61	DRY	NORM	NORM	NORM	NORM	1992
1993	0.48	1.53	3.13	9.57	9.36	1.56	2.44	12.93	36.50	50.35	32.97	19.80	NORM	WET	WET	WET	NORM	1993
1994	0.22	2.54	2.07	5.63	1.23	3.95	2.77	11.51	23.57	17.02	19.94	17.44	NORM	NORM	NORM	NORM	NORM	1994
1995	3.93	4.97	4.16	1.08	9.79	3.75	3.19	26.35	16.53	35.69	31.91	26.86	WET	NORM	WET	WET	WET	1995
1996	0.31	0.17	5.14	4.86	1.81	3.04	4.24	16.07	25.03	20.29	17.60	20.61	NORM	WET	NORM	NORM	NORM	1996
1997	0.41	2.44	1.32	3.24	1.97	1.20	1.81	9.25	14.80	13.71	10.78	9.80	NORM	NORM	NORM	DRY	DRY	1997
1998	1.95	2.32	2.05	2.40	2.80	3.90	1.05	12.74	13.62	15.25	19.70	13.75	NORM	NORM	NORM	NORM	NORM	1998
1999	0.94	4.23	2.48	3.97	2.88	3.17	1.75	16.84	21.10	19.06	19.24	14.47	NORM	NORM	NORM	NORM	NORM	1999
2000	1.10	2.65	6.48	2.85	2.71	2.72	1.32	25.84	24.16	20.31	16.43	12.11	WET	WET	NORM	NORM	NORM	2000
2001	1.17	7.84	2.57	5.07	1.65	0.36	2.23	24.56	28.19	17.66	9.45	9.06	WET	WET	NORM	DRY	DRY	2001
2002	2.07	1.52	1.91	3.67	0.74	7.93	0.76	10.84	16.35	11.47	28.94	18.88	NORM	NORM	DRY	WET	NORM	2002
2003	0.33	3.48	2.54	2.44	2.15	2.02	5.30	14.91	15.88	13.87	12.80	22.09	NORM	NORM	NORM	NORM	WET	2003
2004	2.21	1.60	7.15	4.56	5.25	3.46	4.00	26.86	29.58	32.02	25.44	24.17	WET	WET	WET	WET	WET	2004
2005	1.45	2.11	4.71	6.52	6.61	2.09	7.34	19.80	31.09	37.58	26.01	32.81	WET	WET	WET	WET	WET	2005
2006	2.72	2.79	1.20	2.99	0.14	6.23	5.37	11.90	14.16	7.60	21.96	28.71	NORM	NORM	DRY	NORM	WET	2006
2007	2.13	3.40	2.62	4.58	0.24	7.72	2.41	16.79	22.38	12.50	28.22	22.91	NORM	NORM	DRY	WET	WET	2007
2008	1.30	2.85	4.06	3.94	3.89	2.58	1.77	19.18	22.79	23.61	19.46	14.36	WET	NORM	NORM	NORM	NORM	2008
2009	1.76	2.26	1.69	3.58	2.99	3.11	0.94	11.35	16.38	17.82	18.89	12.03	NORM	NORM	NORM	NORM	NORM	2009
2010	0.39	1.61	2.44	7.57	6.29	5.07	10.40	10.93	29.20	36.45	35.36	47.63	NORM	WET	WET	WET	WET	2010
2011	1.08	2.83	6.43	5.19	8.18	2.14	0.27	26.03	31.26	41.35	27.97	13.27	WET	WET	WET	WET	NORM	2011
2012	1.44	2.98	11.00	1.54	0.07	2.10	1.02	40.40	29.60	14.29	7.98	7.33	WET	WET	NORM	DRY	DRY	2012
2013	0.79	3.63	2.86	5.57	2.47	2.04	2.06	16.63	26.06	21.41	16.63	12.73	NORM	WET	NORM	NORM	NORM	2013
2014	0.94	1.84	3.09	8.98	1.44	2.77	1.25	13.89	34.96	25.37	20.17	10.73	NORM	WET	WET	NORM	NORM	2014
2015	0.30	0.93	5.27	5.77	6.74	6.27	2.26	17.97	28.78	37.03	38.06	26.06	NORM	WET	WET	WET	WET	2015
2016	2.02	2.86	4.93	3.70	5.04	5.68	1.99	22.53	23.82	27.45	30.82	22.37	WET	NORM	WET	WET	WET	2016
2017	0.50	2.06	5.19	2.63	3.13	5.10	2.72	20.19	20.33	19.84	24.19	21.49	WET	NORM	NORM	WET	WET	2017
2018	3.81	2.16	2.56	7.62	6.08	2.85	5.89	15.81	30.14	36.04	28.33	29.45	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound
March	0.75	1.34	1.64
April	1.27	2.22	2.70
May	1.75	3.00	3.65
June	2.39	3.84	4.64
July	2.02	3.37	4.09
August	1.96	3.06	3.69
Sept.	1.40	2.55	3.11
Jun-MAM	8.54	14.78	17.99
Jul-JMA	11.94	19.74	23.92
Aug-JJM	12.59	20.79	25.20
Sep-AJJ	12.31	19.76	23.89
Oct-SAJ	10.14	17.14	20.80

Normals are for 1971-2000 data

NOTE:
District average was used for Jul 1996.

March	1.34
April	2.22
May	3.00
June	3.84
July	3.37
August	3.06
Sept.	2.55

Rainfall Data
Forestburg 3 NE
Station #SD3029
Sanborn County, SD

Portion of the table to be used with the PrecipCategories tool.

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	Year
1938	2.16	4.63	6.00	2.87	1.40	1.56	2.01	29.42	25.24	15.94	10.35	10.55	WET	WET	NORM	NORM	NORM	1938
1939	0.16	0.91	3.28	5.36	3.13	1.25	1.34	11.82	23.55	23.39	15.37	9.65	NORM	WET	WET	NORM	NORM	1939
1940	1.95	1.90	0.22	5.50	1.48	2.98	0.56	6.41	18.84	15.66	17.40	9.12	DRY	NORM	NORM	NORM	NORM	1940
1941	0.36	5.52	1.58	3.93	1.28	1.03	2.45	16.14	20.47	13.28	9.58	10.69	NORM	NORM	NORM	DRY	NORM	1941
1947	0.94	4.09	1.08	6.50	0.42	0.35	3.16	12.36	25.75	15.34	8.39	10.60	NORM	WET	NORM	DRY	NORM	1947
1950	1.61	2.50	2.97	1.45	2.58	1.92	3.11	15.52	12.79	13.61	12.37	15.75	NORM	NORM	NORM	NORM	WET	1950
1951	0.86	0.45	1.74	3.27	0.63	6.17	0.34	6.98	13.74	10.17	23.04	13.99	DRY	NORM	DRY	WET	NORM	1951
1952	0.86	0.45	1.74	3.27	0.63	6.17	0.34	6.98	13.74	10.17	23.04	13.99	DRY	NORM	DRY	WET	NORM	1952
1953	1.36	4.31	2.50	4.61	2.87	1.42	0.54	17.48	23.14	20.33	14.61	7.33	NORM	NORM	NORM	NORM	DRY	1953
1955	0.18	1.95	2.37	2.51	3.35	1.46	0.94	11.19	14.22	17.44	13.59	9.09	NORM	NORM	NORM	NORM	NORM	1955
1956	1.00	1.91	1.23	1.99	3.38	6.50	0.50	8.51	10.34	15.35	28.25	17.88	DRY	DRY	NORM	WET	WET	1956
1957	1.18	2.12	5.14	3.06	6.20	2.93	2.78	20.84	21.58	29.86	24.25	20.40	WET	NORM	WET	WET	WET	1957
1963	1.27	2.53	2.45	3.72	6.03	0.70	2.02	13.68	18.59	27.98	17.88	13.49	NORM	NORM	WET	NORM	NORM	1963
1964	2.02	2.66	0.89	1.73	3.37	1.60	1.40	10.01	9.63	14.46	13.27	10.77	DRY	DRY	NORM	NORM	NORM	1964
1970	1.71	3.83	1.88	1.99	2.65	1.41	1.71	15.01	13.56	13.81	11.52	10.60	NORM	NORM	NORM	NORM	NORM	1970
1971	0.69	3.83	2.06	2.15	3.06	1.47	1.47	14.53	14.40	15.54	12.68	10.41	NORM	NORM	NORM	NORM	NORM	1971
1972	1.00	2.99	9.56	2.63	4.03	0.80	0.67	35.66	30.00	26.91	13.09	7.64	WET	WET	WET	NORM	DRY	1972
1973	2.93	1.61	1.91	1.55	2.25	1.85	5.41	11.88	10.08	11.76	11.60	22.18	NORM	DRY	NORM	NORM	WET	1973
1974	1.43	1.02	4.03	3.19	2.03	0.61	0.18	15.56	18.65	16.50	9.08	3.79	NORM	NORM	NORM	DRY	DRY	1974
1975	2.61	1.69	1.77	5.48	0.44	3.60	2.10	11.30	21.67	14.05	17.16	13.94	NORM	NORM	NORM	NORM	NORM	1975
1977	5.62	2.85	2.55	2.54	2.34	2.43	2.72	18.97	15.57	14.65	14.51	15.36	NORM	NORM	NORM	NORM	NORM	1977
1978	0.44	3.52	4.26	3.06	2.90	1.62	1.40	20.26	21.22	19.08	13.72	10.34	NORM	NORM	NORM	NORM	NORM	1978
1980	0.80	0.93	0.55	5.05	1.41	2.93	0.26	4.31	17.18	14.88	16.66	8.05	DRY	NORM	NORM	NORM	NORM	1980
1981	1.91	1.26	1.00	2.19	2.68	2.16	1.07	7.43	9.83	13.42	14.03	10.21	DRY	DRY	NORM	NORM	NORM	1981
1982	1.09	1.78	6.20	1.48	5.97	2.55	2.20	23.25	18.62	27.07	21.07	17.67	WET	NORM	WET	WET	WET	1982
1983	3.41	2.07	0.69	2.95	3.14	0.61	1.94	9.62	12.30	16.01	11.06	10.18	DRY	NORM	NORM	NORM	NORM	1983
1984	1.27	4.65	2.54	7.32	1.40	2.56	1.18	18.19	31.69	21.38	17.80	10.06	NORM	WET	NORM	NORM	NORM	1984
1985	2.05	2.50	3.90	2.65	2.13	2.89	2.85	18.75	18.25	15.59	15.58	16.46	NORM	NORM	NORM	NORM	WET	1985
1986	1.49	6.56	2.94	4.66	1.56	3.61	5.00	23.43	26.42	16.94	18.61	23.78	WET	WET	NORM	WET	WET	1986
1987	5.68	0.73	1.95	2.66	4.11	1.98	1.65	12.99	12.61	19.60	16.82	13.02	NORM	NORM	NORM	NORM	NORM	1987
1988	0.27	2.14	4.06	0.20	0.93	1.45	4.01	16.73	10.86	7.25	6.41	15.86	NORM	DRY	DRY	DRY	WET	1988
1989	1.23	1.33	2.31	3.34	4.65	1.72	1.27	10.82	15.97	22.94	17.80	11.90	NORM	NORM	WET	NORM	NORM	1989
1990	1.00	0.80	5.64	6.47	2.38	0.98	0.30	19.52	31.49	25.72	14.17	5.24	NORM	WET	WET	NORM	DRY	1990
1991	0.77	4.23	7.29	2.36	1.92	3.25	2.02	31.10	25.89	17.77	15.95	14.48	WET	WET	NORM	NORM	NORM	1991
1992	1.01	2.98	1.64	3.70	4.86	4.08	2.52	11.89	17.36	23.62	25.66	20.58	NORM	NORM	WET	WET	WET	1992
1993	1.40	3.25	3.94	6.49	6.81	1.18	1.29	19.72	30.60	37.35	23.65	13.04	NORM	WET	WET	WET	NORM	1993
1994	0.19	2.75	1.50	4.25	3.36	1.85	1.33	10.19	18.50	20.08	16.52	11.05	NORM	NORM	NORM	NORM	NORM	1994
1995	3.27	5.25	6.02	2.99	2.15	3.84	3.32	31.83	26.26	18.45	18.81	19.79	WET	WET	NORM	WET	WET	1995
1996	0.59	0.86	5.02	2.51	2.72	1.67	3.54	17.37	18.43	18.20	12.96	16.68	NORM	NORM	NORM	NORM	WET	1996
1997	0.14	2.50	3.78	1.01	2.01	1.62	1.35	16.48	13.09	11.83	9.89	9.30	NORM	NORM	NORM	DRY	NORM	1997
1998	1.51	2.52	4.34	4.62	1.87	2.38	0.35	19.57	25.06	19.19	15.50	7.68	NORM	WET	NORM	NORM	DRY	1998
1999	0.49	5.72	2.44	3.77	2.01	2.67	2.96	19.25	21.91	16.01	15.80	16.23	NORM	NORM	NORM	NORM	WET	1999
2000	0.50	3.58	4.55	3.06	2.16	1.96	0.79	21.31	21.86	17.15	13.26	8.45	WET	NORM	NORM	NORM	NORM	2000
2001	0.58	8.02	1.99	3.12	2.01	0.00	2.37	22.59	21.36	14.26	7.14	9.12	WET	NORM	NORM	DRY	NORM	2001
2002	1.00	1.77	3.18	3.70	2.16	4.29	1.27	14.08	19.23	17.06	20.89	14.55	NORM	NORM	NORM	WET	NORM	2002
2003	0.23	3.15	2.35	3.90	1.60	2.52	1.49	13.58	19.55	14.95	14.66	11.11	NORM	NORM	NORM	NORM	NORM	2003
2004	2.48	2.26	7.48	3.73	1.77	1.47	4.78	29.44	28.41	20.25	11.68	19.05	WET	WET	NORM	NORM	WET	2004
2005	0.39	0.67	2.97	5.77	0.99	1.87	5.16	10.64	23.92	17.48	13.36	20.21	NORM	WET	NORM	NORM	WET	2005
2006	0.62	2.75	0.69	2.49	0.84	6.81	3.64	8.19	11.60	8.19	24.60	25.38	DRY	DRY	DRY	WET	WET	2006
2007	1.99	3.00	6.63	3.05	0.10	5.93	2.99	27.88	25.41	13.03	21.04	20.93	WET	WET	NORM	WET	WET	2007
2008	0.98	2.41	2.65	4.31	2.92	0.33	1.15	13.75	20.64	20.03	11.14	7.03	NORM	NORM	NORM	NORM	DRY	2008
2009	1.03	2.91	2.36	2.82	6.12	2.30	1.87	13.93	16.09	26.36	21.96	16.33	NORM	NORM	WET	WET	WET	2009
2010	2.58	2.44	1.93	11.10	6.54	3.19	2.46	13.25	39.60	43.75	33.75	20.30	NORM	WET	WET	WET	WET	2010
2011	0.92	2.42	3.88	3.46	1.13	1.47	0.24	17.40	20.56	14.19	10.13	4.79	NORM	NORM	NORM	DRY	DRY	2011
2012	0.41	4.59	4.43	2.36	0.25	2.24	0.98	22.88	20.53	9.90	9.58	7.67	WET	NORM	DRY	DRY	DRY	2012
2013	0.54	1.74	5.43	3.76	2.60	1.59	2.25	20.31	23.88	20.75	13.73	12.53	NORM	WET	NORM	NORM	NORM	2013
2014	0.55	0.76	1.46	2.07	0.93	1.93	1.50	6.45	9.89	8.39	9.72	9.29	DRY	DRY	DRY	DRY	NORM	2014
2015	0.03	0.70	5.33	4.59	3.98	4.76	1.86	17.42	25.13	26.45	26.83	19.08	NORM	WET	WET	WET	WET	2015
2016	0.68	4.72	4.71	2.57	3.23	6.13	3.08	24.25	21.85	19.54	27.42	24.73	WET	NORM	NORM	WET	WET	2016
2017	0.18	1.92	2.03	2.09	7.31	5.65	3.35	10.11	12.25	28.14	33.66	28.66	NORM	NORM	WET	WET	WET	2017
2018	1.95	2.85	1.40	5.59	3.74	2.53	2.68	11.85	22.42	23.80	20.66	16.84	NORM	NORM	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound
March	0.74	1.60	1.95
April	1.68	2.65	3.19
May	1.98	3.38	4.10
June	2.10	3.29	3.97
July	1.85	2.80	3.36
August	1.46	2.12	2.53
Sept.	0.98	1.94	2.37
Jun-MAM	10.04	17.04	20.63
Jul-JMA	11.94	19.28	23.30
Aug-JJM	11.73	18.36	22.12
Sep-AJJ	10.18	15.25	18.28
Oct-SAJ	7.71	12.86	15.53

Normals are for 1971-2000 data

NOTE:
Forestburg 3NNE NWS Station (SD3029) has been replaced with Forestburg 4NNE NWS Station (SD3029) as of 2012.
Carthage NWS Station (SD1474) was used for Mar-Jun 2011.

Rainfall Data
 Ft. Meade
 Station #SD3069
 Meade County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	1.23	1.99	2.07	2.60	1.44	1.90	0.15	11.42	13.93	11.59	11.18	5.69	NORM	NORM	NORM	NORM	NORM	1980
1981	0.05	0.30	7.14	2.44	6.17	0.23	2.37	22.07	21.90	30.53	15.47	13.74	NORM	NORM	WET	WET	WET	1981
1982	2.59	1.20	8.73	2.03	1.98	1.68	2.41	31.18	24.75	18.73	11.03	12.57	WET	NORM	NORM	NORM	WET	1982
1983	1.84	2.08	2.19	1.58	1.60	1.41	0.24	12.57	11.20	10.15	9.01	5.14	NORM	DRY	DRY	NORM	NORM	1983
1984	0.76	7.23	1.40	7.92	1.87	2.85	1.05	19.42	33.79	22.85	20.21	10.72	NORM	WET	WET	WET	NORM	1984
1985	1.70	0.67	1.17	1.89	1.13	3.00	1.34	6.55	8.68	8.34	13.15	11.15	DRY	DRY	DRY	NORM	WET	1985
1986	0.72	5.02	2.27	5.59	3.08	0.27	5.98	17.57	26.33	22.69	12.56	21.56	NORM	WET	WET	NORM	WET	1986
1987	2.13	0.42	4.44	0.58	1.76	3.67	0.85	16.29	11.04	10.88	15.11	11.65	NORM	DRY	NORM	NORM	WET	1987
1988	4.22	0.63	3.88	2.97	0.60	2.12	1.06	17.12	17.30	11.62	10.53	8.02	NORM	NORM	NORM	NORM	NORM	1988
1989	1.94	3.70	2.17	1.68	1.79	0.70	1.73	15.85	13.08	10.90	7.36	8.38	NORM	NORM	NORM	DRY	NORM	1989
1990	0.76	2.32	2.17	2.16	1.76	0.95	0.63	11.91	13.14	11.77	8.53	5.55	NORM	NORM	NORM	NORM	NORM	1990
1991	1.31	3.96	6.78	3.86	1.58	1.27	0.69	29.57	29.10	19.24	10.83	6.19	WET	WET	NORM	NORM	NORM	1991
1992	2.16	2.18	1.83	3.88	2.64	1.19	0.54	12.01	17.48	17.51	12.73	6.64	NORM	NORM	NORM	NORM	NORM	1992
1993	0.93	3.79	5.67	5.90	3.75	1.67	1.91	25.52	32.83	28.72	18.41	12.82	WET	WET	WET	WET	WET	1993
1994	0.68	2.66	1.15	0.52	2.04	0.93	0.74	9.45	6.52	8.31	7.39	6.12	DRY	DRY	DRY	DRY	NORM	1994
1995	0.88	2.53	8.50	6.00	2.96	0.50	1.05	31.44	37.53	29.38	13.42	7.11	WET	WET	WET	NORM	NORM	1995
1996	2.02	1.83	9.09	2.88	0.49	1.00	2.10	32.95	28.65	16.32	6.86	8.79	WET	WET	NORM	DRY	NORM	1996
1997	0.48	2.16	4.71	2.55	4.35	0.52	0.87	18.93	19.23	22.86	12.81	8.00	NORM	NORM	WET	NORM	NORM	1997
1998	1.87	0.66	0.92	7.01	3.64	2.56	1.70	5.95	23.53	25.86	21.97	13.86	DRY	NORM	WET	WET	WET	1998
1999	1.94	4.83	2.24	6.59	1.76	2.25	1.39	18.32	29.08	20.70	16.86	10.43	NORM	WET	NORM	WET	NORM	1999
2000	1.86	3.69	4.35	3.17	1.82	1.42	1.25	22.29	21.90	16.15	11.07	8.41	WET	NORM	NORM	NORM	NORM	2000
2001	0.84	2.07	1.51	2.41	4.50	0.31	0.42	9.51	12.32	19.83	12.34	6.38	DRY	NORM	NORM	NORM	NORM	2001
2002	1.40	2.08	2.51	0.69	0.95	1.86	2.78	13.09	9.17	6.74	8.17	13.01	NORM	DRY	DRY	NORM	WET	2002
2003	1.67	2.27	2.80	2.45	1.28	0.44	1.74	14.61	15.22	11.54	6.33	7.38	NORM	NORM	NORM	DRY	NORM	2003
2004	0.73	1.69	1.84	0.98	2.63	1.87	0.82	9.63	8.31	11.69	11.85	8.83	DRY	DRY	NORM	NORM	NORM	2004
2005	0.68	3.22	4.76	3.69	1.29	2.51	0.97	21.40	23.81	16.01	13.80	9.22	NORM	NORM	NORM	NORM	NORM	2005
2006	2.11	4.68	3.58	0.81	0.58	1.61	3.57	22.21	14.27	6.94	6.80	14.51	NORM	NORM	DRY	DRY	WET	2006
2007	1.68	1.78	5.51	3.73	2.98	3.42	0.28	21.77	23.99	21.91	19.95	10.66	NORM	NORM	WET	WET	NORM	2007
2008	1.01	1.42	9.38	6.05	1.73	0.42	0.61	31.99	38.33	26.67	10.77	4.40	WET	WET	WET	NORM	DRY	2008
2009	2.89	2.49	0.81	3.61	2.97	2.82	0.94	10.30	14.94	16.94	18.01	11.43	DRY	NORM	NORM	WET	WET	2009
2010	0.35	3.24	5.28	3.61	1.04	1.43	0.94	22.67	24.63	15.62	9.98	6.72	WET	NORM	NORM	NORM	NORM	2010
2011	1.53	1.80	9.34	3.72	1.19	1.43	0.47	33.15	31.64	20.35	10.39	5.46	WET	WET	NORM	NORM	NORM	2011
2012	0.28	2.21	2.50	1.08	1.05	0.56	0.00	12.20	10.45	7.81	4.86	2.17	NORM	DRY	DRY	DRY	DRY	2012
2013	0.31	2.38	6.52	1.86	2.32	1.82	1.10	24.63	21.00	17.20	11.96	9.26	WET	NORM	NORM	NORM	NORM	2013
2014	1.90	1.85	4.38	3.83	0.86	4.65	5.09	18.74	22.10	14.62	19.50	25.43	NORM	NORM	NORM	WET	WET	2014
2015	0.06	1.45	8.01	5.33	1.91	5.15	0.62	26.99	33.46	24.40	24.60	14.07	WET	WET	WET	WET	WET	2015
2016	1.62	2.48	0.51	0.81	1.01	2.46	1.30	8.11	5.93	5.16	10.21	9.83	DRY	DRY	DRY	NORM	NORM	2016
2017	1.20	2.80	1.64	1.89	1.58	0.73	2.79	11.72	11.75	10.16	7.24	11.41	NORM	DRY	DRY	DRY	WET	2017
2018	1.29	1.92	4.18	5.37	2.17	2.42	1.77	17.67	26.39	21.43	16.97	12.32	NORM	WET	NORM	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.77	1.50	1.84	March	1.50
April	1.50	2.70	3.29	April	2.70
May	2.26	3.79	4.60	May	3.79
June	2.04	3.71	4.52	June	3.71
July	1.32	2.20	2.67	July	2.20
August	0.93	1.50	1.81	August	1.50
Sept.	0.55	1.31	1.59	Sept.	1.31
Jun-MAM	10.55	18.27	22.22		
Jul-JMA	12.14	21.41	26.05		
Aug-JJM	10.30	17.81	21.65		
Sep-AJJ	7.47	12.61	15.29		
Oct-SAJ	4.83	9.13	11.06		

Rainfall Data
Gann Valley 4 NW
Station #SD3217
Buffalo County, SD

Portion of the table to be used with the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	Year
1939	0.25	0.63	4.36	4.06	2.20	1.07	1.58	14.59	21.53	19.08	11.67	9.08	NORM	WET	NORM	NORM	NORM	1939
1947	0.34	2.41	0.28	7.24	0.52	0.74	0.86	6.00	24.69	16.32	10.50	4.58	DRY	WET	NORM	NORM	DRY	1947
1948	0.35	2.34	1.55	3.48	5.11	3.42	2.22	9.68	15.88	23.84	23.96	18.61	NORM	NORM	WET	WET	WET	1948
1952	0.31	0.19	1.25	3.87	1.04	2.48	0.00	4.44	14.30	12.11	13.39	6.00	DRY	NORM	NORM	NORM	DRY	1952
1953	0.58	2.83	1.79	4.69	3.03	1.54	0.15	11.61	20.48	20.26	15.37	6.56	NORM	NORM	NORM	NORM	NORM	1953
1955	0.18	1.45	2.44	1.86	1.10	1.50	1.05	10.40	11.91	9.46	8.56	7.25	NORM	NORM	DRY	DRY	NORM	1955
1957	0.43	2.00	4.19	3.64	1.28	1.09	1.26	17.00	21.30	15.31	9.47	7.24	NORM	NORM	NORM	NORM	NORM	1957
1963	0.77	1.72	1.74	3.01	7.96	1.12	1.93	9.43	14.23	31.64	22.29	15.99	NORM	NORM	WET	WET	WET	1963
1964	0.81	3.72	2.91	2.21	2.65	1.18	0.78	16.98	16.17	15.28	11.05	7.35	NORM	NORM	NORM	NORM	NORM	1964
1965	0.82	1.87	5.23	2.55	2.10	1.07	4.34	20.25	19.98	16.63	9.96	17.26	WET	NORM	NORM	NORM	WET	1965
1970	1.17	2.89	1.49	3.16	1.04	1.38	0.71	11.42	15.35	10.93	9.38	5.93	NORM	NORM	NORM	NORM	DRY	1970
1976	0.25	1.27	0.75	1.31	0.49	0.62	3.40	5.04	6.70	4.84	4.15	11.93	DRY	DRY	DRY	DRY	NORM	1976
1977	3.87	2.56	1.92	2.98	1.23	2.56	2.59	14.75	15.34	11.57	13.12	14.12	NORM	NORM	NORM	NORM	NORM	1977
1978	0.02	3.36	1.80	0.86	4.36	2.21	0.93	12.14	9.54	16.60	16.21	11.57	NORM	DRY	NORM	NORM	NORM	1978
1979	1.76	1.43	1.79	2.22	4.71	2.45	0.03	9.99	11.67	20.36	18.99	9.70	NORM	NORM	NORM	WET	NORM	1979
1980	0.42	0.23	1.16	4.98	1.34	4.22	0.20	4.36	17.49	15.14	20.32	10.38	DRY	NORM	NORM	WET	NORM	1980
1981	2.80	0.29	1.13	1.38	2.71	2.47	0.49	6.77	6.69	12.02	14.21	9.12	DRY	DRY	NORM	NORM	NORM	1981
1982	1.74	0.67	5.95	2.26	5.12	2.77	1.61	20.93	19.35	25.83	20.81	15.49	WET	NORM	WET	WET	WET	1982
1983	1.51	0.90	2.42	3.84	2.23	1.87	1.79	10.57	17.26	16.79	13.91	11.34	NORM	NORM	NORM	NORM	NORM	1983
1984	1.13	3.20	2.08	4.18	1.27	2.39	0.87	13.77	19.90	14.25	13.89	8.66	NORM	NORM	NORM	NORM	NORM	1984
1985	2.14	0.80	2.02	3.87	1.87	4.43	2.89	9.80	16.45	15.37	20.90	19.40	NORM	NORM	NORM	WET	WET	1985
1986	1.07	4.43	3.70	3.36	1.31	2.95	5.37	21.03	21.91	14.35	14.83	23.32	WET	WET	NORM	NORM	WET	1986
1987	2.91	1.23	1.68	1.89	2.57	1.60	0.78	10.41	10.26	13.17	11.83	8.11	NORM	DRY	NORM	NORM	NORM	1987
1988	0.63	1.92	6.03	1.82	2.15	0.80	2.32	22.56	19.44	16.12	8.52	10.71	WET	NORM	NORM	DRY	NORM	1988
1989	1.71	1.17	0.97	1.82	3.26	1.19	1.01	6.96	8.57	14.39	11.91	8.67	DRY	DRY	NORM	NORM	NORM	1989
1990	1.02	1.87	4.61	7.36	2.75	3.45	0.85	18.59	33.17	27.58	23.21	12.20	WET	WET	WET	WET	NORM	1990
1991	1.14	3.75	6.09	2.18	0.28	2.71	1.82	26.91	22.47	11.29	10.87	11.16	WET	WET	NORM	NORM	NORM	1991
1992	0.84	0.89	1.23	7.05	4.71	2.47	2.39	6.31	24.50	29.46	23.88	16.82	DRY	WET	WET	WET	WET	1992
1993	1.13	3.10	4.31	5.33	4.23	0.34	2.12	20.26	27.71	27.66	14.81	11.27	WET	WET	WET	NORM	NORM	1993
1994	0.09	2.91	0.21	3.28	2.88	2.95	0.84	6.54	13.17	15.41	17.89	11.30	DRY	NORM	NORM	NORM	NORM	1994
1995	2.23	3.80	6.29	1.28	2.00	2.59	3.32	28.70	20.22	14.85	13.05	17.14	WET	NORM	NORM	NORM	WET	1995
1996	0.79	0.50	3.75	1.09	2.31	1.14	7.14	13.04	11.27	12.86	9.13	26.01	NORM	NORM	NORM	NORM	WET	1996
1997	0.20	2.32	3.26	3.89	4.97	4.09	1.18	14.62	20.51	25.95	26.10	16.69	NORM	NORM	WET	WET	WET	1997
1998	1.05	2.42	2.02	5.97	4.03	4.47	0.17	11.95	24.37	26.05	27.44	13.48	NORM	WET	WET	WET	NORM	1998
1999	0.23	2.66	4.77	5.32	1.59	3.71	1.66	19.86	28.16	20.18	19.63	13.99	WET	WET	NORM	WET	NORM	1999
2000	0.39	1.41	2.18	3.60	1.10	1.34	1.70	9.75	16.57	12.68	9.82	8.88	NORM	NORM	NORM	NORM	NORM	2000
2001	0.38	4.32	2.73	3.54	1.29	0.03	2.63	17.21	20.40	13.68	6.21	9.24	NORM	NORM	NORM	DRY	NORM	2001
2002	0.60	1.33	1.10	2.05	0.82	4.20	1.35	6.56	9.68	7.66	16.29	13.27	DRY	DRY	DRY	NORM	NORM	2002
2003	0.60	1.92	2.23	2.48	1.85	2.58	1.60	11.13	13.82	12.74	13.92	11.81	NORM	NORM	NORM	NORM	NORM	2003
2004	2.80	0.55	4.50	3.80	3.57	3.66	5.58	17.40	20.95	22.81	21.92	27.63	WET	NORM	WET	WET	WET	2004
2005	0.28	2.32	4.39	7.91	0.47	2.4	2.69	18.09	34.83	21.62	16.05	13.34	WET	WET	WET	NORM	NORM	2005
2006	0.63	1.03	0.86	2.59	0.95	3.65	3.05	5.27	10.52	8.89	15.44	17.40	DRY	DRY	DRY	NORM	WET	2006
2007	1.79	1.98	8.93	4.82	0.28	3.03	0.96	32.54	34.30	19.41	14.47	9.22	WET	WET	NORM	NORM	NORM	2007
2008	0.77	1.12	3.58	9.88	3.05	1.18	2.90	13.75	37.92	32.49	19.52	14.11	NORM	WET	WET	WET	NORM	2008
2009	1.77	1.10	1.07	4.68	2.51	2.95	0.51	7.18	17.28	17.96	18.55	9.94	DRY	NORM	NORM	WET	NORM	2009
2010	0.89	2.25	3.95	7.33	3.75	3.01	2.69	17.24	32.14	29.86	23.86	17.84	NORM	WET	WET	WET	WET	2010
2011	0.46	1.94	5.23	6.57	3.50	2.14	0.20	20.03	32.11	28.87	19.99	8.38	WET	WET	WET	WET	NORM	2011
2012	0.79	3.76	1.81	2.39	1.66	0.33	0.39	13.74	14.55	11.57	6.70	3.49	NORM	NORM	NORM	DRY	DRY	2012
2013	0.53	1.77	4.70	6.15	2.39	1.76	1.30	18.17	29.62	24.17	16.21	9.81	WET	WET	WET	NORM	NORM	2013
2014	0.14	2.48	1.11	3.35	1.53	4.47	0.58	8.43	14.75	12.40	19.82	12.21	NORM	NORM	NORM	WET	NORM	2014
2015	0.11	0.28	5.17	3.68	5.23	3.26	5.15	16.18	21.66	28.22	23.92	27.20	NORM	WET	WET	WET	WET	2015
2016	0.55	4.96	3.55	1.84	1.54	4.34	1.57	21.12	17.58	11.85	17.94	14.93	WET	NORM	NORM	NORM	NORM	2016
2017	0.22	1.19	0.82	1.86	1.14	2.21	3.74	5.06	8.41	7.96	10.77	16.78	DRY	DRY	DRY	NORM	WET	2017
2018	1.18	1.05	2.02	4.95	2.56	1.51	2.23	9.34	19.94	19.60	14.60	12.27	NORM	NORM	NORM	NORM	NORM	2018

	30% Lower Bound	N	30% Upper Bound
Month			
March	0.47	1.17	1.42
April	1.14	2.00	2.43
May	1.71	3.03	3.69
June	2.06	3.20	3.85
July	1.53	2.58	3.14
August	1.26	2.21	2.69
Sept.	0.69	1.82	2.21
Jun-MAM	7.88	14.26	17.35
Jul-JMA	10.74	17.66	21.36
Aug-JJM	10.42	17.17	20.81
Sep-AJJ	8.90	14.99	18.20
Oct-SAJ	6.12	12.46	15.15

Normals are for 1971-2000 data

NOTE:
Gann Valley 4 NW NWS Station (SD3217) has not collected data as of 2009.
Gann Valley 4 NW NWS Station (SD3217) has been replaced with Gann Valley NWS Station (SD3211) as of Aug 2009.
Lake Sharpe Project NWS Station (SD0649) was used for Jul 2005; Aug 2007; Jun, Jul 2009.

Rainfall Data
Gettysburg
Station #SD3294
Potter County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1950	0.18	1.03	4.50	0.57	2.19	1.61	1.28	15.74	11.74	12.21	9.78	9.25	NORM	NORM	NORM	NORM	NORM	1950
1962	0.55	0.72	5.63	3.78	1.39	5.74	1.21	18.88	23.32	17.36	23.78	16.5	WET	WET	NORM	WET	WET	1962
1964	0.69	3.94	2.58	5.52	1.14	1.07	0.49	16.31	25.66	17.04	11.01	4.75	NORM	WET	NORM	NORM	DRY	1964
1968	0.44	4.38	1.82	5.97	2.08	3.49	0.98	14.66	25.93	20	20.6	12	NORM	WET	NORM	WET	NORM	1968
1970	0.59	4.77	2.81	1.63	2.01	1.40	2.64	18.56	15.28	12.1	9.85	12.73	WET	NORM	NORM	NORM	NORM	1970
1971	0.15	3.96	2.30	4.37	0.60	3.04	0.93	14.97	21.67	12.84	14.69	9.47	NORM	WET	NORM	NORM	NORM	1971
1973	1.82	1.34	3.50	1.32	1.57	2.20	1.43	15.00	12.30	10.85	11.06	10.26	NORM	NORM	DRY	NORM	NORM	1973
1976	0.61	1.57	0.63	0.70	0.53	0.46	0.44	5.64	4.93	3.62	3.14	2.77	DRY	DRY	DRY	DRY	DRY	1976
1977	4.17	1.92	1.60	2.23	2.64	1.80	3.63	12.81	11.81	13.98	12.91	17.13	NORM	NORM	NORM	NORM	WET	1977
1978	0.32	2.66	1.77	3.60	3.50	3.27	0.31	10.95	17	19.47	20.41	10.97	NORM	NORM	NORM	WET	NORM	1978
1980	0.39	0.49	1.65	3.33	2.28	1.63	0.68	6.32	13.78	15.15	12.78	7.58	DRY	NORM	NORM	NORM	NORM	1980
1981	2.13	0.95	1.82	3.26	3.78	2.56	0.73	9.49	14.37	19.68	18.50	11.09	NORM	NORM	NORM	WET	NORM	1981
1982	1.13	1.02	5.47	2.51	2.06	0.32	0.73	19.58	19.49	16.67	7.59	4.89	WET	NORM	NORM	DRY	DRY	1982
1983	1.93	1.15	4.17	3.05	4.17	4.43	1.56	16.74	18.64	22.78	24.68	17.71	WET	NORM	WET	WET	WET	1983
1984	1.59	2.95	1.85	4.85	3.02	1.60	0.51	13.04	21.20	20.61	15.69	7.75	NORM	WET	WET	NORM	NORM	1984
1985	2.04	0.74	0.80	1.32	1.46	3.00	2.28	5.92	6.30	7.82	13.24	14.30	DRY	DRY	DRY	NORM	WET	1985
1986	0.97	5.92	5.30	2.60	2.83	2.05	1.73	28.71	24.32	18.99	14.41	12.12	WET	WET	NORM	NORM	NORM	1986
1987	2.15	0.08	2.19	1.64	4.58	2.38	0.53	8.88	9.38	19.21	17.94	10.93	NORM	DRY	NORM	WET	NORM	1987
1988	0.34	1.18	4.42	1.22	1.28	2.98	0.55	15.96	13.68	10.70	12.72	8.89	NORM	NORM	DRY	NORM	NORM	1988
1989	2.07	4.54	0.44	1.33	2.01	2.31	2.62	12.47	9.41	9.13	12.28	14.49	NORM	DRY	DRY	NORM	WET	1989
1990	1.74	2.40	2.93	5.01	1.78	1.87	1.27	15.33	23.29	18.29	14.18	9.33	NORM	WET	NORM	NORM	NORM	1990
1991	0.32	2.42	4.40	6.16	1.63	1.39	1.63	18.36	29.70	21.61	13.59	9.30	WET	WET	WET	NORM	NORM	1991
1992	0.26	0.22	0.71	5.07	5.89	3.67	1.29	2.83	16.85	28.52	27.86	17.10	DRY	NORM	WET	WET	WET	1992
1993	0.25	0.95	1.40	4.70	3.40	0.50	1.21	6.35	17.85	21.00	13.00	8.03	DRY	NORM	WET	NORM	NORM	1993
1994	0.00	1.18	1.08	1.65	7.00	1.48	2.23	5.60	8.29	25.38	20.09	16.65	DRY	DRY	WET	WET	WET	1994
1995	1.31	3.17	3.35	4.59	1.98	1.91	1.31	17.70	23.64	18.47	14.28	9.73	WET	WET	NORM	NORM	NORM	1995
1996	0.69	0.64	5.36	1.77	2.37	1.90	6.25	18.05	16.67	16.01	12.21	24.92	WET	NORM	NORM	NORM	WET	1996
1997	0.07	3.01	2.54	3.88	4.29	1.41	1.41	13.71	19.73	23.17	16.69	11.34	NORM	NORM	WET	NORM	NORM	1997
1998	1.08	1.45	2.93	4.01	1.16	2.83	0.08	12.77	19.34	14.43	14.82	7.06	NORM	NORM	NORM	NORM	NORM	1998
1999	1.07	1.83	4.32	4.80	2.49	3.52	3.29	17.69	24.87	21.39	20.34	19.40	WET	WET	WET	WET	WET	1999
2000	1.84	2.28	3.20	2.98	2.26	0.77	0.31	16.00	17.62	15.94	9.81	4.73	NORM	NORM	NORM	NORM	DRY	2000
2001	0.06	3.66	3.26	1.48	4.47	1.70	1.06	17.16	14.62	19.63	15.52	11.05	WET	NORM	NORM	NORM	NORM	2001
2002	0.95	0.88	1.14	1.49	1.61	3.09	1.80	6.13	7.63	8.95	13.98	13.19	DRY	DRY	DRY	NORM	NORM	2002
2003	0.49	2.14	1.83	3.57	1.99	1.31	2.00	10.26	16.51	14.94	11.48	10.61	NORM	NORM	NORM	NORM	NORM	2003
2004	2.53	1.74	3.67	4.25	4.79	1.56	3.07	17.02	21.83	26.54	18.51	17.12	WET	WET	WET	WET	WET	2004
2005	0.47	1.43	0.68	5.17	0.60	0.77	2.28	5.37	18.30	12.82	8.68	8.98	DRY	NORM	NORM	DRY	NORM	2005
2006	0.32	1.25	1.10	1.21	1.40	5.56	2.89	6.12	7.08	7.72	20.69	21.19	DRY	DRY	DRY	WET	WET	2006
2007	2.16	1.33	3.69	6.92	1.47	5.20	2.27	15.89	29.47	21.94	25.46	18.68	NORM	WET	WET	WET	WET	2007
2008	0.62	0.66	1.80	5.78	5.45	2.78	2.47	7.34	21.60	29.71	25.02	18.42	DRY	WET	WET	WET	WET	2008
2009	0.87	1.39	2.07	2.25	3.01	3.82	0.75	9.86	12.28	15.60	19.73	12.90	NORM	NORM	NORM	WET	NORM	2009
2010	1.49	2.06	3.73	2.91	1.75	0.47	2.60	16.80	18.25	14.80	7.82	10.49	WET	NORM	NORM	DRY	NORM	2010
2011	0.85	1.96	1.85	6.26	3.48	1.74	0.70	10.32	24.44	24.81	18.44	9.06	NORM	WET	WET	WET	NORM	2011
2012	0.10	3.20	2.92	2.11	1.70	0.95	0.07	15.26	15.37	12.24	8.36	3.81	NORM	NORM	NORM	DRY	DRY	2012
2013	0.43	1.79	5.50	1.29	1.48	3.25	1.69	20.51	16.66	12.52	14.00	13.05	WET	NORM	NORM	NORM	NORM	2013
2014	1.03	4.87	2.53	4.82	1.28	1.34	1.87	18.36	24.39	16.01	11.40	9.57	WET	WET	NORM	NORM	NORM	2014
2015	0.12	0.64	6.42	2.55	3.41	3.54	1.03	20.66	21.13	21.75	19.99	13.58	WET	WET	WET	WET	WET	2015
2016	0.62	5.56	2.27	1.53	1.23	4.26	3.13	18.55	14.69	9.02	16.77	19.14	WET	NORM	DRY	NORM	WET	2016
2017	0.56	1.08	0.93	2.62	3.94	4.97	1.84	5.51	10.80	17.99	25.41	19.40	DRY	NORM	NORM	WET	WET	2017
2018	1.21	1.52	1.97	2.74	2.95	0.62	3.76	10.16	13.68	16.30	10.50	15.47	NORM	NORM	NORM	NORM	WET	2018

Month	30% Lower Bound	N	30% Upper Bound
March	0.51	1.20	1.47
April	1.00	1.93	2.36
May	1.68	2.86	3.47
June	2.06	3.07	3.67
July	1.70	2.64	3.18
August	1.30	2.15	2.61
Sept.	0.54	1.37	1.66
Jun-MAM	7.55	13.64	16.60
Jul-JMA	10.54	16.86	20.31
Aug-JJM	10.90	16.92	20.35
Sep-AJJ	9.36	14.80	17.86
Oct-SAJ	5.92	11.05	13.38

Normals are for 1971-2000 data

March	1.20
April	1.93
May	2.86
June	3.07
July	2.64
August	2.15
Sept.	1.37

NOTE:

Onida 4 NW NWS Station (SD6292) was used for Mar 1978; Mar 1981; Sep 2002; Apr 2003; Mar, Apr 2005.

Gettysburg NWS Station (SD9322) was used for Sep 2012; May-Sep 2013.

Rainfall Data
 Glad Valley 2 W
 Station #SD3316
 Ziebach County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1978	0.09	3.38	4.03	0.92	3.35	0.70	0.33	18.94	14.20	15.92	9.72	5.74	WET	NORM	NORM	NORM	NORM	1978
1980	0.06	1.22	0.68	1.07	0.51	2.66	0.41	4.54	5.79	4.35	10.07	7.06	DRY	DRY	DRY	NORM	NORM	1980
1981	0.12	0.12	1.74	2.77	2.37	3.16	1.78	5.58	11.91	14.39	16.99	14.03	DRY	NORM	NORM	WET	WET	1981
1982	2.14	0.74	7.34	1.25	1.69	0.44	0.83	25.64	19.17	14.91	5.95	5.06	WET	NORM	NORM	DRY	NORM	1982
1983	1.11	0.80	3.93	1.78	2.35	2.32	0.27	14.50	14.00	14.54	13.44	7.80	NORM	NORM	NORM	NORM	NORM	1983
1984	0.42	2.36	1.12	4.24	0.51	0.40	0.86	8.50	17.32	11.13	6.46	3.89	NORM	NORM	NORM	DRY	DRY	1984
1985	2.25	2.08	2.29	2.57	1.65	2.98	1.90	13.28	14.37	12.38	14.81	13.31	NORM	NORM	NORM	WET	WET	1985
1986	0.81	5.02	5.32	1.82	4.58	1.10	2.23	26.81	21.12	22.70	14.28	13.47	WET	WET	WET	NORM	WET	1986
1987	1.98	0.29	5.37	1.41	7.37	2.13	0.94	18.67	15.26	30.30	22.54	14.45	WET	NORM	WET	WET	WET	1987
1988	0.05	0.66	1.19	1.67	0.10	0.52	0.41	4.94	8.05	4.83	3.43	2.37	DRY	DRY	DRY	DRY	DRY	1988
1989	1.82	3.84	0.55	1.60	1.59	0.91	1.24	11.15	9.74	8.52	7.51	7.13	NORM	DRY	DRY	NORM	NORM	1989
1990	0.34	1.26	1.26	2.80	1.87	0.32	1.09	6.64	12.18	12.47	7.50	5.78	DRY	NORM	NORM	NORM	NORM	1990
1991	0.78	1.95	3.96	1.38	0.55	0.93	0.67	16.56	14.01	8.37	5.27	4.42	NORM	NORM	DRY	DRY	DRY	1991
1992	0.44	0.57	1.67	3.48	3.89	1.06	0.28	6.59	14.35	20.30	14.44	6.85	DRY	NORM	WET	NORM	NORM	1992
1993	0.76	1.07	1.56	6.54	7.60	0.62	0.52	7.58	23.81	37.44	23.60	10.40	DRY	WET	WET	WET	NORM	1993
1994	0.92	1.55	0.31	5.35	3.00	0.61	1.00	4.95	18.22	20.01	13.18	7.22	DRY	NORM	WET	NORM	NORM	1994
1995	1.58	2.48	4.20	3.92	1.56	1.35	0.70	19.14	22.64	16.72	11.09	6.36	WET	WET	NORM	NORM	NORM	1995
1996	1.62	1.71	7.65	1.93	1.09	1.31	5.77	27.99	22.80	14.78	8.04	21.02	WET	WET	NORM	NORM	WET	1996
1997	0.74	3.59	2.09	3.72	3.98	1.94	0.34	14.19	18.93	21.47	17.50	8.88	NORM	NORM	WET	WET	NORM	1997
1998	0.60	1.06	0.87	3.94	1.49	2.31	0.77	5.33	14.62	13.22	13.85	8.42	DRY	NORM	NORM	NORM	NORM	1998
1999	0.61	2.15	4.18	4.89	1.46	3.25	1.12	17.45	25.18	18.34	17.56	11.32	NORM	WET	NORM	WET	WET	1999
2000	2.38	3.28	3.84	2.32	2.39	0.50	0.60	20.46	17.92	15.65	8.60	5.19	WET	NORM	NORM	NORM	NORM	2000
2001	0.86	2.27	2.14	2.33	5.64	0.07	1.05	11.82	13.54	23.72	13.82	8.93	NORM	NORM	WET	NORM	NORM	2001
2002	0.17	0.63	0.79	0.58	2.02	1.07	0.64	3.80	3.95	8.01	7.83	6.08	DRY	DRY	DRY	NORM	NORM	2002
2003	2.27	2.08	2.34	2.54	2.16	0.58	1.63	13.45	14.38	13.90	8.60	8.21	NORM	NORM	NORM	NORM	NORM	2003
2004	1.26	0.51	1.49	2.12	4.50	1.73	2.46	6.75	9.85	19.23	16.31	15.34	DRY	DRY	NORM	WET	WET	2004
2005	1.00	1.16	2.75	5.93	1.16	1.32	0.49	11.57	24.45	18.09	12.21	5.27	NORM	WET	NORM	NORM	NORM	2005
2006	0.93	1.06	0.50	1.10	0.88	1.87	3.23	4.55	5.36	5.34	8.47	14.31	DRY	DRY	DRY	NORM	WET	2006
2007	1.89	1.74	3.03	3.68	1.08	2.10	1.01	14.46	18.84	13.63	12.14	8.31	NORM	NORM	NORM	NORM	NORM	2007
2008	0.83	2.15	4.75	6.16	1.58	2.61	1.92	19.38	30.13	21.81	17.15	12.56	WET	WET	WET	WET	WET	2008
2009	2.64	1.82	1.95	3.01	3.14	1.84	2.69	12.13	14.75	17.39	14.81	14.89	NORM	NORM	NORM	WET	WET	2009
2010	0.98	2.09	4.16	1.32	2.50	3.67	3.18	17.64	14.37	14.30	17.33	19.38	WET	NORM	NORM	WET	WET	2010
2011	1.25	2.13	3.58	3.64	3.02	2.56	0.28	16.25	20.21	19.92	17.36	8.98	NORM	NORM	WET	WET	NORM	2011
2012	0.66	2.30	2.30	2.62	3.44	0.52	0.02	12.16	14.76	17.86	11.06	4.54	NORM	NORM	NORM	NORM	DRY	2012
2013	0.28	1.40	6.34	2.56	3.21	3.90	3.58	22.10	21.76	21.09	20.68	21.75	WET	WET	WET	WET	WET	2013
2014	0.74	3.08	2.02	10.13	1.48	7.54	1.55	12.96	37.51	26.72	35.71	21.21	NORM	WET	WET	WET	WET	2014
2015	0.57	0.95	6.50	4.12	3.32	2.12	0.97	21.97	26.31	24.70	17.12	10.47	WET	WET	WET	WET	NORM	2015
2016	0.81	5.36	2.27	2.49	2.78	0.74	0.69	18.34	17.37	15.59	10.27	6.33	WET	NORM	NORM	NORM	NORM	2016
2017	0.62	1.43	1.06	2.46	0.89	3.99	1.13	6.66	10.93	8.65	16.21	12.26	DRY	NORM	DRY	WET	WET	2017
2018	1.21	2.07	4.72	4.63	1.85	1.29	2.73	19.51	25.40	19.53	12.20	12.62	WET	WET	NORM	NORM	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.49	1.03	1.29	March	1.03
April	1.05	2.00	2.44	April	2.00
May	1.75	3.13	3.81	May	3.13
June	2.02	2.91	3.47	June	2.91
July	1.33	2.48	3.02	July	2.48
August	0.77	1.43	1.75	August	1.43
Sept.	0.56	1.20	1.46	Sept.	1.20
Jun-MAM	7.84	14.42	17.60		
Jul-JMA	10.61	16.99	20.47		
Aug-JJM	9.78	16.39	19.81		
Sep-AJJ	6.99	12.16	14.76		
Oct-SAJ	4.55	8.94	10.90		

NOTE:
 Usta 8 WNW Kelly Ranch NWS Station (SD8528) was used for Jun, Jul 1978; Jul, Sep 1980; 1984; Apr 1988.
 Isabel NWS Station (SD4268) was used for Aug 2005; Mar, Aug 2008.
 Isabel 14 NNE NWS Station (SD4271) was used for May, Jul 2012.

Rainfall Data
 Gregory
 Station #SD3452
 Gregory County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1938	1.95	5.21	5.23	2.54	2.61	1.35	1.59	28.06	23.29	18.14	11.81	10.08	WET	NORM	NORM	NORM	NORM	1938
1955	0.59	1.12	2.43	3.70	0.78	1.99	1.73	10.12	17.08	12.17	11.23	9.95	DRY	NORM	DRY	DRY	NORM	1955
1968	0.10	6.64	1.87	5.17	1.31	2.43	2.25	18.99	25.89	16.14	15.08	12.92	NORM	NORM	NORM	NORM	NORM	1968
1980	0.30	0.72	2.66	4.05	1.96	4.43	0.18	9.72	18.19	16.64	21.26	11.36	DRY	NORM	NORM	NORM	NORM	1980
1981	1.80	1.26	3.97	3.17	8.65	2.58	0.30	16.23	18.71	36.26	28.21	14.71	NORM	NORM	WET	WET	NORM	1981
1982	2.03	1.72	7.72	3.38	3.35	2.49	3.66	28.63	27.30	24.53	17.55	19.31	WET	WET	NORM	NORM	WET	1982
1983	3.95	2.21	3.85	6.95	2.76	1.95	0.85	19.92	30.76	26.03	18.32	9.21	NORM	WET	WET	NORM	NORM	1983
1984	1.55	5.54	3.45	3.15	3.91	3.25	1.55	22.98	21.89	21.48	20.72	15.06	NORM	NORM	NORM	NORM	NORM	1984
1985	1.80	1.98	1.00	2.90	2.65	5.50	5.85	8.76	12.68	14.75	24.70	31.20	DRY	DRY	NORM	WET	WET	1985
1986	1.92	3.74	4.67	5.88	3.28	1.07	8.45	23.41	30.72	26.27	15.65	30.77	NORM	WET	NORM	NORM	WET	1986
1987	6.65	2.45	2.60	2.50	3.40	6.11	2.81	19.35	15.15	17.80	27.63	24.05	NORM	DRY	NORM	WET	WET	1987
1988	1.50	3.06	6.38	2.12	2.24	4.15	4.51	26.76	22.18	17.34	19.05	24.07	WET	NORM	NORM	NORM	WET	1988
1989	1.11	1.17	0.87	2.34	3.21	0.85	3.00	6.06	9.93	15.18	11.31	13.91	DRY	DRY	NORM	DRY	NORM	1989
1990	2.06	4.42	5.20	3.55	4.10	4.60	0.30	26.50	25.47	24.60	25.55	14.20	WET	NORM	NORM	WET	NORM	1990
1991	1.70	3.37	6.95	2.15	0.85	1.85	0.50	29.29	23.72	13.80	9.40	6.05	WET	NORM	DRY	DRY	DRY	1991
1992	2.85	1.48	0.70	3.50	7.07	3.40	2.00	7.91	13.38	28.91	27.84	19.87	DRY	DRY	WET	WET	WET	1992
1993	0.85	4.45	2.62	5.50	3.05	2.30	3.10	17.61	26.19	22.77	18.50	16.95	NORM	WET	NORM	NORM	NORM	1993
1994	0.15	2.53	1.81	4.80	3.58	2.32	2.42	10.64	20.55	22.15	18.92	15.48	DRY	NORM	NORM	NORM	NORM	1994
1995	3.01	6.80	6.95	2.52	2.08	1.55	3.36	37.46	28.26	18.23	11.33	15.26	WET	WET	NORM	DRY	NORM	1995
1996	0.82	1.55	7.24	1.93	2.77	1.00	3.16	25.64	21.82	19.41	10.47	14.25	WET	NORM	NORM	DRY	NORM	1996
1997	0.40	3.20	1.87	4.69	4.63	1.28	1.87	12.41	21.01	25.14	17.79	12.80	NORM	NORM	NORM	NORM	NORM	1997
1998	1.96	2.44	4.04	7.43	5.60	3.85	0.62	18.96	32.81	35.70	30.18	15.16	NORM	WET	WET	WET	NORM	1998
1999	0.70	5.37	6.18	5.96	2.91	0.79	4.11	29.98	35.61	26.83	14.15	16.82	WET	WET	WET	NORM	NORM	1999
2000	0.28	1.58	4.74	3.12	0.55	0.62	0.25	17.66	20.42	12.63	6.08	2.54	NORM	NORM	DRY	DRY	DRY	2000
2001	0.13	8.18	4.09	2.78	3.70	2.16	2.95	28.76	24.70	20.75	16.66	16.87	WET	NORM	NORM	NORM	NORM	2001
2002	0.74	1.85	2.67	1.35	0.58	3.13	1.54	12.45	11.24	7.11	11.90	11.46	NORM	DRY	DRY	NORM	NORM	2002
2003	0.59	3.03	5.24	4.33	1.16	3.46	0.98	22.37	26.50	17.38	17.03	11.02	NORM	WET	NORM	NORM	NORM	2003
2004	2.39	1.16	3.88	3.97	2.11	0.80	5.89	16.35	20.83	18.15	10.59	21.38	NORM	NORM	NORM	DRY	WET	2004
2005	0.77	3.64	4.28	12.05	0.47	0.65	2.26	20.89	48.35	29.79	14.94	8.55	NORM	WET	WET	NORM	NORM	2005
2006	1.24	0.94	0.81	3.12	0.45	2.69	3.58	5.55	11.92	8.40	12.09	16.57	DRY	DRY	DRY	NORM	NORM	2006
2007	2.22	3.48	6.28	3.45	0.48	5.47	1.41	28.02	26.39	14.62	20.82	15.65	WET	WET	DRY	NORM	NORM	2007
2008	1.00	2.09	3.82	6.77	2.81	3.19	1.54	16.64	30.04	25.79	21.96	13.81	NORM	WET	WET	WET	NORM	2008
2009	1.67	1.72	2.10	4.75	3.96	6.89	0.47	11.41	20.17	23.48	33.34	19.15	DRY	NORM	NORM	WET	NORM	2009
2010	1.60	3.33	4.46	9.87	4.82	1.40	2.39	21.64	41.86	38.66	23.71	14.79	NORM	WET	WET	WET	NORM	2010
2011	1.45	2.55	4.02	5.83	2.51	4.42	0.47	18.61	28.08	23.21	24.11	12.76	NORM	WET	NORM	WET	NORM	2011
2012	1.18	2.91	1.69	1.21	1.58	0.86	0.35	12.07	9.92	8.85	6.95	4.35	NORM	DRY	DRY	DRY	DRY	2012
2013	1.73	3.15	4.68	3.67	2.42	4.25	1.84	22.07	23.52	19.28	21.26	16.44	NORM	NORM	NORM	NORM	NORM	2013
2014	0.40	2.55	2.10	4.34	0.53	4.86	1.55	11.80	19.77	12.37	19.98	14.90	DRY	NORM	DRY	NORM	NORM	2014
2015	0.24	1.28	5.08	3.31	3.85	3.25	3.15	18.04	21.37	23.25	20.76	19.80	NORM	NORM	NORM	NORM	WET	2015
2016	1.49	5.64	5.80	1.13	4.44	3.31	2.24	30.17	20.63	21.38	19.94	17.78	WET	NORM	NORM	NORM	NORM	2016
2017	0.44	2.73	3.75	1.50	2.22	6.66	3.48	17.15	14.73	13.41	25.92	25.98	NORM	DRY	DRY	WET	WET	2017
2018	2.05	2.16	2.32	6.43	5.84	2.79	4.14	13.33	26.09	32.70	26.48	23.84	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.82	1.88	2.30	March	1.88
April	1.93	2.89	3.46	April	2.89
May	2.44	3.93	4.74	May	3.93
June	2.80	3.75	4.38	June	3.75
July	2.23	3.37	4.04	July	3.37
August	1.36	2.41	2.94	August	2.41
Sept.	0.96	2.58	3.12	Sept.	2.58
Jun-MAM	12.00	19.45	23.44		
Jul-JMA	15.21	22.00	26.08		
Aug-JJM	14.73	21.54	25.62		
Sep-AJJ	11.34	17.72	21.28		
Oct-SAJ	7.83	15.93	19.28		

NOTE:
 Bonesteel NWS Station (SD0778) was used for Sep 1983; Mar 1998.

Rainfall Data
Harding 3 SE
Station #SD3560
Harding County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1957	0.96	1.70	4.53	3.30	2.54	3.55	1.50	17.95	20.66	18.75	19.03	14.14	WET	WET	WET	WET	WET	1957
1978	0.40	1.70	6.13	2.58	4.47	0.95	1.65	22.19	21.70	24.70	14.37	11.32	WET	WET	WET	WET	WET	1978
1980	1.00	0.34	1.02	1.42	0.10	2.81	0.34	4.74	6.64	4.16	10.05	6.74	DRY	DRY	DRY	NORM	NORM	1980
1981	0.00	0.13	2.09	3.07	2.96	0.89	0.87	6.53	13.52	17.11	11.66	7.35	DRY	NORM	NORM	NORM	NORM	1981
1982	2.44	1.58	6.83	3.25	1.77	1.69	0.92	26.09	24.99	18.64	11.86	7.91	WET	WET	WET	NORM	NORM	1982
1983	1.17	0.71	2.14	0.97	2.03	2.56	0.57	9.01	7.90	10.17	12.71	8.86	NORM	DRY	NORM	NORM	NORM	1983
1984	0.26	5.30	1.42	3.79	0.27	2.15	1.86	15.12	19.51	9.81	10.78	10.15	NORM	NORM	NORM	NORM	WET	1984
1985	1.40	0.24	1.29	1.86	0.91	0.97	1.06	5.75	8.40	7.74	6.59	6.03	DRY	DRY	DRY	NORM	NORM	1985
1986	0.59	2.74	2.59	2.98	1.92	0.61	4.06	13.84	16.86	14.31	8.65	15.32	NORM	NORM	NORM	NORM	WET	1986
1987	0.82	0.20	3.35	1.15	2.34	1.55	2.08	11.27	10.35	12.67	10.48	11.68	NORM	NORM	NORM	NORM	WET	1987
1988	0.52	0.42	2.06	2.45	0.26	0.26	1.04	7.54	11.89	7.74	3.75	3.90	NORM	NORM	DRY	DRY	NORM	1988
1989	1.53	4.66	1.49	1.78	3.40	0.35	1.01	15.32	12.98	15.25	9.63	7.13	NORM	NORM	NORM	NORM	NORM	1989
1990	0.27	2.68	1.63	1.45	1.85	0.62	0.37	10.52	10.29	10.08	7.01	4.20	NORM	NORM	NORM	NORM	NORM	1990
1991	0.29	4.42	5.30	1.46	1.52	0.28	1.23	25.03	19.40	12.78	5.34	5.77	WET	NORM	NORM	DRY	NORM	1991
1992	0.44	1.73	1.62	2.89	3.86	0.99	0.48	8.76	13.64	18.98	13.58	7.28	NORM	NORM	WET	WET	NORM	1992
1993	1.09	1.41	2.21	4.71	5.56	1.38	0.00	10.54	19.96	28.31	19.97	8.32	NORM	WET	WET	WET	NORM	1993
1994	0.27	1.20	0.55	0.65	2.81	0.12	1.02	4.32	4.25	10.28	6.63	6.11	DRY	DRY	NORM	NORM	NORM	1994
1995	0.97	1.99	6.85	2.33	2.97	2.11	0.20	25.50	22.68	20.42	14.60	7.79	WET	WET	WET	WET	NORM	1995
1996	1.62	2.76	6.03	2.74	0.61	1.38	1.36	25.23	23.04	13.34	8.10	7.45	WET	WET	NORM	NORM	NORM	1996
1997	0.08	2.94	2.40	3.61	2.39	1.88	0.42	13.16	18.57	16.79	14.03	7.41	NORM	NORM	NORM	WET	NORM	1997
1998	1.49	0.31	1.99	5.00	2.09	3.67	0.80	8.08	19.29	18.26	20.19	11.83	NORM	NORM	WET	WET	WET	1998
1999	0.76	2.84	3.13	3.95	1.02	1.69	0.75	15.83	20.95	14.09	11.06	6.65	NORM	WET	NORM	NORM	NORM	1999
2000	0.75	2.02	3.03	2.35	2.21	0.28	0.69	13.88	15.13	14.36	7.61	4.84	NORM	NORM	NORM	NORM	NORM	2000
2001	1.31	1.94	0.73	4.71	5.40	0.31	0.66	7.38	17.53	26.35	16.44	8.00	DRY	NORM	WET	WET	NORM	2001
2002	0.19	0.69	1.08	2.34	1.97	2.56	0.92	4.81	9.87	11.67	13.96	9.85	DRY	DRY	NORM	WET	WET	2002
2003	2.34	0.92	1.66	2.87	0.99	0.59	2.81	9.16	12.85	10.37	6.62	10.60	NORM	NORM	NORM	NORM	WET	2003
2004	1.11	0.53	3.16	0.21	2.68	2.97	1.33	11.65	7.48	11.62	14.48	12.61	NORM	DRY	NORM	WET	WET	2004
2005	0.03	0.87	2.43	1.69	0.84	1.66	1	9.06	10.80	8.33	8.35	7.16	NORM	NORM	DRY	NORM	NORM	2005
2006	0.60	4.66	1.57	1.51	0.80	1.57	2.61	14.63	12.33	6.99	7.82	11.77	NORM	NORM	DRY	NORM	WET	2006
2007	1.83	1.47	4.73	2.25	0.40	3.12	0.22	18.96	17.68	10.43	12.41	7.30	WET	NORM	NORM	NORM	NORM	2007
2008	0.33	1.70	7.05	6.18	2.06	1.65	0.44	24.88	34.34	25.59	15.25	6.68	WET	WET	WET	WET	NORM	2008
2009	1.03	0.88	1.14	2.62	3.40	1.64	0.87	6.21	11.02	16.58	14.34	9.29	DRY	NORM	NORM	WET	NORM	2009
2010	0.18	0.80	3.57	3.64	3.03	0.72	2.02	12.49	18.86	19.94	11.86	10.53	NORM	NORM	WET	NORM	WET	2010
2011	0.52	2.07	6.69	2.28	4.02	3.44	0.20	24.73	22.29	23.31	20.64	11.50	WET	WET	WET	WET	WET	2011
2012	0.00	1.34	1.75	1.01	4.52	1.51	0.00	7.93	7.87	17.33	14.58	7.54	NORM	DRY	NORM	WET	NORM	2012
2013	0.21	1.58	5.27	3.11	1.04	4.36	1.67	19.18	21.45	14.61	18.27	14.77	WET	WET	NORM	WET	WET	2013
2014	0.79	1.53	1.90	7.31	0.42	2.97	1.86	9.55	27.26	17.78	17.06	11.94	NORM	WET	NORM	WET	WET	2014
2015	0.41	1.40	3.59	2.99	1.01	3.85	0.82	13.98	17.55	12.60	16.56	11.17	NORM	NORM	NORM	WET	WET	2015
2016	0.37	1.93	0.93	1.95	0.53	1.08	0.95	7.02	9.64	6.42	6.25	5.54	DRY	DRY	DRY	NORM	NORM	2016
2017	0.73	2.75	2.55	1.53	1.46	0.42	2.30	13.88	12.44	9.99	5.71	9.20	NORM	NORM	NORM	DRY	NORM	2017
2018	0.64	1.06	2.44	3.12	1.85	1.41	1.72	10.08	15.30	14.23	11.05	9.83	NORM	NORM	NORM	NORM	WET	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data	
	Bound	N	Bound			
March	0.41	0.87	1.08		March	0.87
April	0.89	1.90	2.31		April	1.90
May	1.74	2.82	3.41		May	2.82
June	1.96	2.96	3.54		June	2.96
July	1.04	2.09	2.56		July	2.09
August	0.69	1.31	1.60		August	1.31
Sept.	0.48	1.03	1.26		Sept.	1.03
Jun-MAM	7.41	13.13	15.93			
Jul-JMA	10.25	16.42	19.75			
Aug-JJM	8.78	15.01	18.17			
Sep-AJJ	6.11	11.07	13.46			
Oct-SAJ	3.86	7.80	9.54			

NOTE:
Redig 11 NE NWS Station (SD7062) was used for Aug 2002.
Camp Crook NWS Station (SD1294) was used for Apr, May 2012.

Rainfall Data
Harrington
Station #SD3574
Bennett County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	1.26	1.01	1.75	2.41	1.05	2.38	0.70	8.53	11.74	9.72	11.65	7.91	DRY	DRY	DRY	NORM	NORM	1980
1981	0.67	1.10	2.68	3.42	4.23	3.77	0.85	10.91	16.72	22.21	23.19	14.32	NORM	NORM	WET	WET	WET	1981
1982	1.70	0.75	7.25	2.83	2.93	1.98	1.63	24.95	23.74	21.70	14.63	11.78	WET	WET	NORM	NORM	NORM	1982
1983	1.67	2.86	4.80	3.30	3.75	1.69	0.73	21.79	22.36	22.65	15.87	9.32	WET	NORM	WET	NORM	NORM	1983
1984	1.24	2.60	2.46	3.21	4.10	0.27	0.74	13.82	17.15	21.18	12.22	6.86	NORM	NORM	NORM	NORM	NORM	1984
1985	1.07	1.53	0.48	1.57	3.84	2.35	2.24	5.57	7.20	15.14	16.30	15.26	DRY	DRY	NORM	NORM	WET	1985
1986	2.25	4.75	2.47	5.02	2.93	1.96	2.30	19.16	24.75	21.30	16.76	13.75	NORM	WET	NORM	NORM	WET	1986
1987	3.02	0.53	4.18	2.68	3.32	1.96	1.11	16.62	16.93	19.50	15.20	10.57	NORM	NORM	NORM	NORM	NORM	1987
1988	1.14	1.08	5.31	4.76	1.17	0.39	1.22	19.23	25.98	18.34	8.27	5.61	NORM	WET	NORM	DRY	DRY	1988
1989	1.54	1.18	1.08	0.84	1.11	1.06	2.95	7.14	5.86	6.09	6.24	12.08	DRY	DRY	DRY	DRY	NORM	1989
1990	1.93	0.66	5.20	2.87	4.40	1.19	0.42	18.85	19.67	24.14	15.24	8.04	NORM	NORM	WET	NORM	NORM	1990
1991	1.06	2.61	8.00	3.31	1.89	2.51	0.95	30.28	28.54	20.29	14.62	9.76	WET	WET	NORM	NORM	NORM	1991
1992	1.68	0.48	1.68	3.15	3.88	2.20	1.20	7.68	13.29	19.62	17.51	11.88	DRY	NORM	NORM	WET	NORM	1992
1993	0.52	3.36	2.25	5.91	2.80	4.61	3.09	13.99	25.59	22.47	25.34	21.29	NORM	WET	WET	WET	WET	1993
1994	0.61	1.49	2.96	3.70	2.90	1.21	0.70	12.47	18.51	19.06	13.13	7.42	NORM	NORM	NORM	NORM	NORM	1994
1995	1.63	4.88	5.98	4.46	3.13	1.47	1.23	29.33	30.22	24.29	15.13	9.76	WET	WET	WET	NORM	NORM	1995
1996	0.82	1.51	5.91	2.24	0.82	1.07	3.16	21.57	20.05	12.85	7.09	12.44	WET	NORM	NORM	DRY	NORM	1996
1997	0.31	4.68	3.42	5.71	2.16	1.77	1.30	19.93	28.65	21.32	15.34	9.60	WET	WET	NORM	NORM	NORM	1997
1998	2.22	0.57	2.67	4.96	3.76	1.17	1.25	11.37	20.79	23.87	15.99	9.85	NORM	NORM	WET	NORM	NORM	1998
1999	0.59	4.06	2.30	5.50	1.88	1.16	3.40	15.61	25.16	18.94	12.74	14.40	NORM	WET	NORM	NORM	WET	1999
2000	0.96	2.89	3.71	3.47	2.27	1.03	0.68	17.87	20.72	17.46	11.10	6.37	NORM	NORM	NORM	NORM	NORM	2000
2001	0.81	5.63	2.61	3.23	2.39	0.23	0.45	19.90	20.54	16.24	8.70	4.20	WET	NORM	NORM	DRY	DRY	2001
2002	1.42	1.39	2.25	0.56	1.07	2.34	2.98	10.95	7.57	6.58	9.72	14.69	NORM	DRY	DRY	NORM	WET	2002
2003	0.78	2.44	1.34	3.70	1.70	0.74	0.41	9.68	16.22	13.84	9.32	4.41	DRY	NORM	NORM	DRY	DRY	2003
2004	2.02	0.73	3.52	2.13	0.84	0.88	4.07	14.04	14.16	10.30	6.45	14.81	NORM	NORM	DRY	DRY	WET	2004
2005	1.18	5.43	3.47	4.13	2.25	2.02	1.36	22.45	24.76	18.48	14.69	10.37	WET	WET	NORM	NORM	NORM	2005
2006	2.65	2.79	0.65	3.19	0.15	2.62	2.59	10.18	13.66	7.48	11.35	13.16	NORM	NORM	DRY	NORM	WET	2006
2007	1.82	2.24	3.21	2.23	0.62	3.69	1.43	15.93	15.35	9.53	14.54	12.29	NORM	NORM	DRY	NORM	NORM	2007
2008	0.78	2.00	5.02	4.82	2.95	0.69	1.20	19.84	26.50	23.51	12.79	7.93	WET	WET	WET	NORM	NORM	2008
2009	1.31	3.43	0.79	3.15	6.68	2.92	0.28	10.54	14.46	27.13	25.27	13.36	NORM	NORM	WET	WET	WET	2009
2010	1.89	2.83	3.26	4.26	1.68	3.25	0.87	17.33	22.13	16.82	17.37	10.79	NORM	NORM	NORM	WET	NORM	2010
2011	0.96	2.00	5.66	4.14	2.58	2.90	1.30	21.94	25.74	21.68	18.00	12.28	WET	WET	NORM	WET	NORM	2011
2012	0.00	2.48	1.13	2.99	0.85	1.06	0.00	8.35	13.71	9.66	7.87	2.97	DRY	NORM	DRY	DRY	DRY	2012
2013	1.69	2.33	7.44	1.39	3.74	5.11	2.56	28.67	21.38	21.44	24.20	21.64	WET	NORM	NORM	WET	WET	2013
2014	0.69	3.60	4.02	5.08	2.12	3.85	1.22	19.95	26.88	20.54	20.87	13.48	WET	WET	NORM	WET	WET	2014
2015	0.03	1.95	5.80	2.57	1.25	2.26	2.02	21.33	21.26	14.69	11.85	11.83	WET	NORM	NORM	NORM	NORM	2015
2016	1.16	5.90	4.98	2.88	3.22	2.06	0.61	27.90	24.50	20.40	15.50	9.17	WET	WET	NORM	NORM	NORM	2016
2017	1.22	1.61	4.82	0.37	2.78	2.34	2.97	18.90	12.36	13.90	12.95	16.37	NORM	NORM	NORM	NORM	WET	2017
2018	2.68	2.93	5.54	10.38	3.35	1.59	2.40	25.16	45.15	36.35	21.85	13.73	WET	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.77	1.37	1.67	March	1.37
April	1.34	2.31	2.81	April	2.31
May	2.17	3.43	4.13	May	3.43
June	2.18	3.21	3.83	June	3.21
July	2.00	2.83	3.36	July	2.83
August	1.06	1.79	2.17	August	1.79
Sept.	0.74	1.47	1.80	Sept.	1.47

Note:

Harrington NWS Station (SD3574) has not collected data as of 2007.
Long Valley NWS Station (SD4983) was used for Jun-Sep 2007; 2008-2010; Mar, Apr 2011; Jun-Sep 2011; Jun-Sep 2012.
Martin NWS Station (SD5281) was used for May 2011; Mar-May 2012.
Kilgore 1 NE NWS Station (NE4432) was used for 2013-2018.

Jun-MAM	9.96	16.28	19.68
Jul-JMA	12.22	18.80	22.56
Aug-JJM	12.53	18.34	21.87
Sep-AJJ	9.36	14.24	17.06
Oct-SAJ	6.34	10.82	13.10

Rainfall Data
Harrold 12 SSW
Station #SD3608
Hughes County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches									Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-		June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1938	1.10	4.98	2.29	3.26	0.78	0.38	1.02		17.93	19.34	11.15	5.96	4.60	WET	WET	NORM	DRY	DRY	1938
1949	1.17	0.59	2.52	3.43	0.33	2.35	2.29		9.91	15.92	10.37	11.14	11.90	NORM	NORM	NORM	NORM	NORM	1949
1963	0.50	1.83	1.88	4.75	2.44	0.64	1.96		9.80	19.84	18.70	11.55	9.60	NORM	WET	NORM	NORM	NORM	1963
1968	0.29	4.50	1.36	6.90	4.18	2.61	1.85		13.37	27.92	27.70	23.09	14.95	NORM	WET	WET	WET	WET	1968
1969	0.69	1.31	1.70	6.85	2.69	1.21	1.23		8.41	25.26	23.47	15.86	8.80	NORM	WET	WET	NORM	NORM	1969
1970	0.80	3.69	1.67	3.33	0.93	1.75	0.52		13.19	17.02	11.12	10.44	5.99	NORM	NORM	NORM	NORM	NORM	1970
1976	0.49	1.09	0.68	0.53	0.57	0.30	0.86		4.71	4.04	3.45	2.57	3.75	DRY	DRY	DRY	DRY	DRY	1976
1979	1.62	2.08	1.81	2.33	3.38	3.02	0.00		11.21	12.69	16.61	18.15	9.42	NORM	NORM	NORM	WET	NORM	1979
1980	0.97	0.00	0.47	3.40	0.79	4.29	0.28		2.38	11.14	9.64	17.85	10.21	DRY	NORM	DRY	WET	NORM	1980
1981	1.81	0.37	2.60	2.03	5.08	4.07	0.00		10.35	11.66	21.90	24.40	13.22	NORM	NORM	WET	WET	WET	1981
1982	1.84	1.13	3.94	3.16	3.74	3.80	1.18		15.92	18.49	21.48	22.04	14.88	WET	NORM	WET	WET	WET	1982
1983	2.15	1.05	2.19	5.20	1.53	1.35	1.11		10.82	21.03	17.18	12.31	7.56	NORM	WET	NORM	NORM	NORM	1983
1984	1.52	3.23	1.85	3.78	0.98	1.56	1.23		13.53	18.27	12.35	10.42	7.79	NORM	NORM	NORM	NORM	NORM	1984
1985	2.23	0.49	2.10	2.38	1.86	3.83	2.04		9.51	11.83	12.44	17.59	15.64	NORM	NORM	NORM	WET	WET	1985
1986	0.60	4.71	3.04	2.49	1.07	1.54	2.77		19.14	18.26	11.23	9.25	12.46	WET	NORM	NORM	NORM	NORM	1986
1987	2.90	0.23	2.01	1.32	1.27	3.20	0.78		9.39	8.21	8.46	13.46	10.01	NORM	DRY	DRY	NORM	NORM	1987
1988	0.18	0.99	3.37	2.33	2.79	1.28	0.97		12.27	14.72	16.40	11.75	8.26	NORM	NORM	NORM	NORM	NORM	1988
1989	1.25	1.73	1.27	0.69	2.38	0.85	2.49		8.52	6.34	9.79	8.00	11.55	NORM	DRY	DRY	DRY	NORM	1989
1990	1.27	2.02	2.57	3.70	2.92	3.57	0.52		13.02	18.26	18.73	20.25	11.62	NORM	NORM	NORM	WET	NORM	1990
1991	0.84	3.52	5.79	4.03	0.70	0.69	0.73		25.25	27.19	15.95	7.50	4.27	WET	WET	NORM	DRY	DRY	1991
1992	0.49	0.29	0.42	4.50	6.34	1.31	1.46		2.33	14.63	28.44	21.11	13.34	DRY	NORM	WET	WET	WET	1992
1993	1.25	1.67	2.84	5.28	4.70	0.37	1.48		13.11	23.19	27.50	15.79	9.88	NORM	WET	WET	NORM	NORM	1993
1994	0.06	1.97	0.86	3.77	3.70	1.64	1.30		6.58	15.00	19.50	16.09	10.88	DRY	NORM	NORM	NORM	NORM	1994
1995	1.45	4.99	3.92	4.73	2.22	2.01	1.26		23.19	27.02	20.04	15.20	10.02	WET	WET	WET	NORM	NORM	1995
1996	0.76	0.62	4.26	1.71	2.52	0.69	6.07		14.78	14.27	15.24	8.82	22.11	NORM	NORM	NORM	NORM	WET	1996
1997	0.39	2.46	3.76	4.74	4.48	1.65	0.41		16.59	24.20	26.68	18.65	9.01	WET	WET	WET	WET	NORM	1997
1998	2.24	1.16	2.91	3.32	1.05	3.00	0.02		13.29	16.94	12.70	14.42	7.11	NORM	NORM	NORM	NORM	NORM	1998
1999	0.48	3.00	5.75	4.73	0.55	3.62	3.57		23.73	28.69	16.86	16.69	18.50	WET	WET	NORM	NORM	WET	1999
2000	0.96	1.76	3.24	1.57	1.20	2.96	0.08		14.20	12.95	9.98	12.85	7.36	NORM	NORM	NORM	NORM	NORM	2000
2001	0.43	3.94	2.63	2.37	2.65	0.24	1.91		16.20	16.31	15.32	8.39	8.86	WET	NORM	NORM	DRY	NORM	2001
2002	0.95	0.66	0.80	3.41	1.68	5.11	1.78		4.67	12.49	12.66	22.10	17.24	DRY	NORM	NORM	WET	WET	2002
2003	0.49	2.55	3.40	3.04	2.62	0.89	1.52		15.79	18.47	17.34	10.95	8.96	WET	NORM	NORM	NORM	NORM	2003
2004	3.21	0.06	3.24	2.85	3.16	1.36	4.98		13.05	15.09	18.42	13.25	20.82	NORM	NORM	NORM	NORM	WET	2004
2005	0.05	1.44	2.72	4.14	0.75	1.03	1.67		11.09	19.30	13.25	8.73	7.82	NORM	WET	NORM	NORM	NORM	2005
2006	0.81	1.13	0.58	0.63	0.25	3.92	2.07		4.81	4.18	2.59	12.89	14.30	DRY	DRY	DRY	NORM	WET	2006
2007	1.73	1.85	3.81	3.57	0.22	3.32	1.46		16.86	20.18	11.61	13.97	11.24	WET	WET	NORM	NORM	NORM	2007
2008	0.12	0.61	2.02	3.24	3.75	1.40	2.83		7.40	14.37	19.75	14.94	15.04	NORM	NORM	WET	NORM	WET	2008
2009	1.46	1.10	0.66	1.46	2.24	4.93	0.00		5.64	6.80	10.30	20.73	12.10	DRY	DRY	NORM	WET	NORM	2009
2010	0.92	2.22	4.75	3.26	6.05	1.91	2.74		19.61	21.50	29.42	21.09	18.09	WET	WET	WET	WET	WET	2010
2011	0.41	2.61	2.94	6.14	3.98	1.31	0.82		14.45	26.91	27.16	18.03	9.06	NORM	WET	WET	WET	NORM	2011
2012	0.25	4.13	1.89	2.68	1.01	0.00	0.00		14.18	15.95	10.28	4.70	1.01	NORM	NORM	NORM	DRY	DRY	2012
2013	0.25	3.15	3.98	2.57	0.94	1.51	1.17		18.49	18.82	11.94	8.98	7.47	WET	NORM	NORM	NORM	NORM	2013
2014	0.27	1.88	1.83	3.96	0.79	1.53	0.80		9.52	17.42	12.12	10.13	6.25	NORM	NORM	NORM	NORM	NORM	2014
2015	0.00	0.13	4.07	4.92	3.00	2.73	0.67		12.47	23.03	22.91	19.11	10.47	NORM	WET	WET	WET	NORM	2015
2016	0.50	4.52	2.72	2.21	1.00	2.29	1.66		17.70	16.59	10.14	11.08	10.56	WET	NORM	NORM	NORM	NORM	2016
2017	0.49	1.62	1.09	3.89	3.80	0.18	2.26		7.00	15.47	20.27	12.03	10.94	DRY	NORM	WET	NORM	NORM	2017
2018	0.98	1.04	2.73	5.27	0.25	1.71	2.39		11.25	22.31	14.02	10.90	10.84	NORM	WET	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.63	1.22	1.49	March	1.22
April	1.04	1.97	2.43	April	1.97
May	1.53	2.45	2.96	May	2.45
June	1.85	2.92	3.52	June	2.92
July	1.58	2.62	3.18	July	2.62
August	1.18	2.09	2.55	August	2.09
Sept.	0.47	1.22	1.51	Sept.	1.22
Jun-MAM	7.30	12.51	15.23		
Jul-JMA	9.65	15.63	18.91		
Aug-JJM	9.97	16.15	19.54		
Sep-AJJ	8.55	14.43	17.53		
Oct-SAJ	5.35	10.46	12.81		

NOTE:

Blunt NWS Station (SD0760) was used for Mar-Jul 1963; Mar 1996; 1997-99; Mar-Apr 2000; 2001-2002; Mar-Jun 2003; Sep 2008.

Highmore 1 W NWS Station (SD3832) was used for 1938; 1949; Aug, Sep 2018.

Rainfall Data
Hermosa 3 SSW
Station #SD3775
Custer County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.76	1.13	1.58	4.75	1.78	2.00	0.63	7.76	18.54	16.42	14.31	7.67	DRY	NORM	NORM	NORM	NORM	1980
1981	0.02	0.32	2.81	1.89	4.47	1.74	0.50	9.09	11.61	20.00	16.05	9.45	NORM	NORM	WET	WET	NORM	1981
1982	1.44	0.69	6.50	2.89	1.81	0.95	2.38	22.32	22.36	17.71	9.36	10.85	WET	WET	NORM	NORM	NORM	1982
1983	1.00	0.58	3.58	1.33	0.49	2.24	0.69	12.90	11.73	7.71	9.03	7.04	NORM	NORM	DRY	NORM	NORM	1983
1984	0.55	3.33	1.86	3.64	2.00	0.95	0.24	12.79	17.97	15.14	10.49	4.62	NORM	NORM	NORM	NORM	DRY	1984
1985	0.95	0.75	0.76	0.74	3.42	0.70	1.54	4.73	4.49	12.50	9.68	9.44	DRY	DRY	NORM	NORM	NORM	1985
1986	0.67	3.75	1.43	4.03	1.35	1.31	3.41	12.46	18.70	13.54	10.66	14.20	NORM	NORM	NORM	NORM	WET	1986
1987	1.04	0.05	3.06	1.48	1.15	1.56	0.38	10.32	10.61	9.47	8.46	5.41	NORM	NORM	DRY	NORM	NORM	1987
1988	0.41	1.22	2.44	2.26	0.45	2.10	0.23	10.17	12.88	8.31	9.46	5.34	NORM	NORM	DRY	NORM	NORM	1988
1989	0.56	0.82	0.56	1.61	0.97	1.47	3.66	3.88	6.77	6.69	7.96	14.89	DRY	DRY	DRY	NORM	WET	1989
1990	0.81	0.50	5.75	1.42	2.60	0.45	1.12	19.06	16.26	16.39	7.97	6.86	WET	NORM	NORM	NORM	NORM	1990
1991	0.22	4.66	4.37	5.23	1.25	1.07	1.12	22.65	29.09	18.58	10.94	6.75	WET	WET	NORM	NORM	NORM	1991
1992	1.75	0.79	2.61	2.73	3.45	0.99	0.31	11.16	14.20	18.42	12.60	6.36	NORM	NORM	NORM	NORM	NORM	1992
1993	0.68	2.70	3.75	4.20	4.38	2.19	1.22	17.33	22.80	25.29	19.53	12.42	WET	WET	WET	WET	WET	1993
1994	0.19	0.76	1.40	1.29	1.43	1.04	0.23	5.91	7.43	8.27	7.27	4.20	DRY	DRY	DRY	DRY	DRY	1994
1995	0.88	1.86	6.86	4.69	1.85	0.31	1.00	25.18	29.65	21.79	9.32	5.47	WET	WET	WET	NORM	NORM	1995
1996	0.25	1.58	5.64	2.16	1.73	2.40	2.68	20.33	19.34	15.15	12.82	14.57	WET	NORM	NORM	NORM	WET	1996
1997	0.27	2.09	5.17	2.02	4.88	1.76	1.54	19.96	18.49	23.85	17.06	13.02	WET	NORM	WET	WET	WET	1997
1998	1.75	0.28	3.79	6.23	2.19	2.73	1.58	13.68	26.55	22.82	18.80	12.39	NORM	WET	WET	WET	WET	1998
1999	0.78	3.68	1.71	5.41	1.20	4.02	2.05	13.27	23.33	16.13	19.87	15.39	NORM	WET	NORM	WET	WET	1999
2000	0.80	4.09	2.74	1.71	1.25	1.07	0.37	17.20	14.70	9.91	7.42	4.50	WET	NORM	NORM	DRY	DRY	2000
2001	0.67	2.61	2.05	2.07	2.25	1.59	1.09	12.04	12.92	12.94	11.34	8.70	NORM	NORM	NORM	NORM	NORM	2001
2002	1.11	1.34	2.29	1.03	1.29	1.15	2.84	10.66	9.01	8.22	7.06	12.11	NORM	DRY	DRY	DRY	WET	2002
2003	0.78	2.23	3.18	1.78	1.47	1.01	1.86	14.78	13.93	11.15	7.75	9.07	NORM	NORM	NORM	DRY	NORM	2003
2004	0.31	1.22	2.17	1.89	2.61	1.68	1.60	9.26	11.23	13.78	12.15	10.77	NORM	NORM	NORM	NORM	NORM	2004
2005	0.62	1.38	3.14	1.83	2.43	1.76	0.76	12.80	13.15	14.09	11.97	8.23	NORM	NORM	NORM	NORM	NORM	2005
2006	1.85	1.13	1.70	2.25	1.57	5.95	1.03	9.21	11.28	10.91	23.24	16.56	NORM	NORM	NORM	WET	WET	2006
2007	0.73	1.07	2.94	0.45	0.99	5.83	0.68	11.69	8.30	6.81	19.92	14.69	NORM	DRY	DRY	WET	WET	2007
2008	0.85	1.34	7.04	4.19	1.90	3.51	0.87	24.65	27.99	21.12	18.52	11.53	WET	WET	WET	WET	WET	2008
2009	0.45	3.73	1.46	3.11	5.62	0.97	1.14	12.29	15.98	24.54	17.26	10.98	NORM	NORM	WET	WET	NORM	2009
2010	0.28	3.16	5.64	5.76	1.67	1.24	1.96	23.52	31.72	22.17	12.82	10.03	WET	WET	WET	NORM	NORM	2010
2011	0.84	1.54	6.56	1.79	5.48	3.79	0.74	23.60	20.03	26.58	24.12	15.28	WET	NORM	WET	WET	WET	2011
2012	0.03	1.98	1.05	1.88	1.32	0.90	0.06	7.14	9.72	8.77	7.22	3.30	DRY	DRY	DRY	DRY	DRY	2012
2013	1.02	4.39	1.58	2.17	3.56	4.72	1.31	14.54	14.06	16.60	23.45	16.93	NORM	NORM	NORM	WET	WET	2013
2014	1.14	1.36	3.47	5.22	2.87	3.06	4.84	14.27	23.96	22.52	20.14	23.51	NORM	WET	WET	WET	WET	2014
2015	0.18	2.48	10.13	7.75	2.40	4.24	0.28	35.53	45.99	32.83	25.27	11.72	WET	WET	WET	WET	WET	2015
2016	1.16	1.42	4.57	1.59	5.29	2.64	1.80	17.71	15.33	23.62	20.09	15.97	WET	NORM	WET	WET	WET	2016
2017	0.64	4.11	2.34	3.30	4.08	1.79	1.50	15.88	18.69	21.18	16.83	12.16	NORM	NORM	WET	WET	WET	2017
2018	1.77	1.74	4.98	5.88	8.90	1.17	1.40	20.19	29.34	43.44	27.19	15.44	WET	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.44	0.83	1.01	March	0.83
April	0.89	1.89	2.31	April	1.89
May	1.99	3.09	3.71	May	3.09
June	1.72	2.92	3.54	June	2.92
July	1.46	2.38	2.88	July	2.38
August	1.04	1.58	1.90	August	1.58
Sept.	0.45	1.18	1.44	Sept.	1.18
Jun-MAM	8.19	13.88	16.76		
Jul-JMA	10.03	16.83	20.35		
Aug-JJM	9.81	16.07	19.43		
Sep-AJJ	7.76	12.42	15.00		
Oct-SAJ	4.89	9.08	11.00		

NOTE:

Hermosa 3 SSW NWS Station (SD3775) has not collected data as of 2013.

Rapid City Regional AP NWS Station (SD6937) was used for Mar-Sep 1980; Mar-Jul 1981; Mar 1982; Jun 1990; Sep 2008.

Caputa NWS Station (SD9695) was used for May-Jul 2012.

Mt Rushmore NTAL MEM NWS Station (SD5870) was used for 2013-2018.

Rainfall Data
Highmore 1 W
Station #SD3832
Hyde County, SD

Portion of the table to be used with the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1939	0.12	0.81	4.62	5.49	1.60	0.50	0.81	15.60	26.52	20.40	10.19	5.03	NORM	WET	NORM	NORM	DRY	1939
1947	0.88	1.77	0.62	6.44	0.44	0.66	1.30	6.28	22.33	14.82	9.30	5.66	DRY	WET	NORM	DRY	DRY	1947
1948	0.41	2.22	1.19	5.06	0.73	3.09	0.62	8.42	19.78	13.50	15.79	8.77	DRY	NORM	NORM	NORM	NORM	1948
1949	1.17	0.59	2.52	3.43	0.33	2.35	2.29	9.91	15.92	10.37	11.14	11.90	NORM	NORM	DRY	NORM	NORM	1949
1952	0.95	0.02	1.07	3.33	1.07	3.08	0.00	4.20	12.15	10.94	14.71	7.23	DRY	NORM	DRY	NORM	NORM	1952
1953	1.25	3.58	2.57	4.58	1.69	6.67	0.09	16.12	22.46	16.80	27.97	15.30	NORM	WET	NORM	WET	NORM	1953
1957	0.52	3.38	5.29	4.38	5.00	2.82	2.07	23.15	27.10	29.05	22.84	16.85	WET	WET	WET	WET	WET	1957
1964	0.38	4.53	3.32	4.61	2.66	1.10	0.29	19.40	25.00	20.52	13.23	5.73	WET	WET	NORM	NORM	DRY	1964
1965	0.83	3.28	5.12	3.50	1.72	1.08	4.46	22.75	24.02	17.28	10.18	17.26	WET	WET	NORM	NORM	WET	1965
1968	0.28	4.34	1.55	5.29	4.36	3.12	3.37	13.61	23.31	25.21	23.37	20.71	NORM	WET	WET	WET	WET	1968
1969	0.47	0.64	1.14	3.59	3.26	2.30	1.28	5.17	13.69	18.10	17.01	11.70	DRY	NORM	NORM	NORM	NORM	1969
1970	0.42	3.69	1.54	3.28	2.64	1.57	0.84	12.42	16.61	16.02	13.27	8.30	NORM	NORM	NORM	NORM	NORM	1970
1971	0.08	3.44	1.90	5.69	1.05	3.85	2.41	12.66	24.31	16.43	19.34	15.98	NORM	WET	NORM	NORM	WET	1971
1976	1.45	1.72	0.62	1.13	0.48	0.22	0.75	6.75	6.35	4.32	2.75	3.17	DRY	DRY	DRY	DRY	DRY	1976
1978	0.44	4.32	3.44	1.15	3.10	3.66	0.80	19.40	14.65	15.04	18.33	12.82	WET	NORM	NORM	NORM	NORM	1978
1979	0.35	1.23	2.58	2.67	4.51	2.99	0.05	10.55	14.40	21.45	20.66	10.64	NORM	NORM	NORM	WET	NORM	1979
1980	0.65	1.25	0.95	3.77	2.25	2.90	0.43	6.00	14.46	15.24	16.97	9.34	DRY	NORM	NORM	NORM	NORM	1980
1981	2.80	0.42	1.98	2.51	8.50	5.47	0.22	9.58	11.91	32.50	35.92	20.10	NORM	NORM	WET	WET	WET	1981
1982	1.14	0.88	5.67	1.55	4.20	2.30	1.40	19.91	16.87	21.37	16.85	13.00	WET	NORM	NORM	NORM	NORM	1982
1983	2.11	1.13	3.08	5.75	2.13	1.60	1.60	13.61	24.54	20.97	14.81	10.13	NORM	WET	NORM	NORM	NORM	1983
1984	1.30	2.89	2.39	7.40	1.85	5.25	1.61	14.25	29.87	22.74	26.85	17.18	NORM	WET	NORM	WET	WET	1984
1985	2.30	0.45	2.15	2.44	4.55	1.76	4.26	9.65	12.07	20.68	16.82	20.85	NORM	NORM	NORM	NORM	WET	1985
1986	1.02	7.05	2.78	3.44	4.87	0.95	4.75	23.46	22.93	24.27	16.03	21.02	WET	WET	WET	NORM	WET	1986
1987	4.00	0.77	1.94	1.60	2.97	3.34	1.51	11.36	9.45	14.05	17.56	14.18	NORM	DRY	NORM	NORM	NORM	1987
1988	0.15	1.35	4.31	2.22	2.19	1.84	1.90	15.78	16.63	15.32	12.12	11.57	NORM	NORM	NORM	NORM	NORM	1988
1989	1.00	5.65	1.05	0.73	2.57	0.30	3.14	15.45	9.94	10.22	6.77	12.59	NORM	DRY	DRY	DRY	NORM	1989
1990	1.71	2.50	2.10	3.55	2.57	3.45	0.75	13.01	17.35	16.91	19.04	11.72	NORM	NORM	NORM	NORM	NORM	1990
1991	1.15	4.43	8.35	3.50	0.78	1.70	1.15	35.06	31.63	17.69	10.16	7.63	WET	WET	NORM	NORM	NORM	1991
1992	0.75	0.35	0.30	4.73	8.18	1.13	2.35	2.35	15.14	34.30	24.48	17.49	DRY	NORM	WET	WET	WET	1992
1993	0.70	3.11	3.29	6.12	6.95	1.41	1.60	16.79	28.05	36.38	24.25	14.57	NORM	WET	WET	WET	NORM	1993
1994	0.05	2.83	0.67	4.24	6.55	2.27	1.73	7.72	16.89	28.80	24.15	16.28	DRY	NORM	WET	WET	WET	1994
1995	1.80	9.08	5.87	2.67	2.25	4.23	0.75	37.57	28.83	17.96	19.86	12.96	WET	WET	NORM	NORM	NORM	1995
1996	1.13	0.95	3.70	1.52	3.55	0.70	7.15	14.13	12.91	17.39	10.72	26.40	NORM	NORM	NORM	NORM	WET	1996
1997	0.25	2.74	4.22	3.53	4.67	1.50	0.87	18.39	21.77	25.29	17.37	10.28	NORM	NORM	WET	NORM	NORM	1997
1998	1.26	2.24	1.95	4.44	0.54	2.34	0.00	11.59	19.46	12.45	12.54	5.22	NORM	NORM	NORM	NORM	DRY	1998
1999	0.60	3.22	4.70	5.47	2.30	4.17	2.07	21.14	29.03	22.54	22.58	16.85	WET	WET	NORM	WET	WET	1999
2000	0.90	3.25	3.55	2.26	2.17	1.30	0.08	18.05	17.13	14.58	10.50	5.01	NORM	NORM	NORM	NORM	DRY	2000
2001	0.28	4.23	3.06	3.22	3.42	0.20	2.00	17.92	20.01	19.76	10.66	9.82	NORM	NORM	NORM	NORM	NORM	2001
2002	1.45	0.70	0.95	3.00	2.27	6.72	0.97	5.70	11.60	13.76	27.70	18.62	DRY	NORM	NORM	WET	WET	2002
2003	0.20	2.06	2.45	4.87	1.50	1.35	0.75	11.67	21.57	16.69	11.92	6.45	NORM	NORM	NORM	NORM	NORM	2003
2004	2.80	0.00	4.77	4.15	3.52	2.55	4.20	17.11	21.99	23.63	18.84	21.22	NORM	NORM	WET	NORM	WET	2004
2005	0.48	1.45	3.8	5.72	0.73	0.87	3.4	14.78	26.21	17.43	9.79	12.67	NORM	WET	NORM	NORM	NORM	2005
2006	1.36	2.45	0.95	2.02	0.98	4.58	3.45	9.11	10.41	7.93	17.72	20.49	NORM	DRY	DRY	NORM	WET	2006
2007	2.25	2.20	6.00	5.15	0.15	8.80	0.85	24.65	29.65	16.75	31.85	20.30	WET	WET	NORM	WET	WET	2007
2008	1.58	1.55	2.90	6.19	3.28	2.28	2.05	13.38	25.92	25.12	19.59	13.99	NORM	WET	WET	NORM	NORM	2008
2009	2.80	1.60	1.47	2.42	6.95	4.42	1.35	10.41	11.80	27.16	29.58	19.84	NORM	NORM	WET	WET	WET	2009
2010	3.10	2.69	6.20	5.75	4.94	0.75	4.70	27.08	32.34	32.52	17.88	20.54	WET	WET	WET	NORM	WET	2010
2011	0.54	2.10	3.05	6.45	3.90	1.85	1.20	13.89	27.55	27.65	19.80	11.20	NORM	WET	WET	NORM	NORM	2011
2012	0.00	4.29	3.40	2.96	2.09	0.15	0.40	18.78	19.97	15.59	7.59	3.59	NORM	NORM	NORM	DRY	DRY	2012
2013	0.20	4.10	6.80	3.10	0.70	2.05	1.15	28.80	27.00	15.10	10.65	8.25	WET	WET	NORM	NORM	NORM	2013
2014	0.35	1.60	3.61	4.01	1.43	2.35	0.35	14.38	20.85	15.92	13.92	7.18	NORM	NORM	NORM	NORM	NORM	2014
2015	0.10	0.20	5.38	6.08	4.20	3.17	1.20	16.64	29.20	30.14	23.99	14.14	NORM	WET	WET	WET	NORM	2015
2016	1.00	5.33	2.99	1.47	1.40	2.75	1.10	20.63	15.72	10.13	12.52	10.20	WET	NORM	DRY	NORM	NORM	2016
2017	0.23	1.07	1.05	3.80	2.07	1.78	2.90	5.52	14.57	14.86	13.28	14.33	DRY	NORM	NORM	NORM	NORM	2017
2018	1.01	1.86	1.54	4.54	4.09	1.71	2.39	9.35	18.56	22.89	17.85	14.68	NORM	NORM	NORM	NORM	NORM	2018

30% Lower		30% Upper		Normals are for 1971-2000 data	
Month	Bound	N	Bound	Month	
March	0.59	1.38	1.68	March	1.38
April	1.34	2.59	3.17	April	2.59
May	1.74	3.07	3.74	May	3.07
June	2.01	3.16	3.82	June	3.16
July	1.81	3.25	3.96	July	3.25
August	1.23	2.26	2.76	August	2.26
Sept.	0.65	1.66	2.06	Sept.	1.66
Jun-MAM	8.49	15.77	19.24		
Jul-JMA	10.85	18.21	22.11		
Aug-JJM	11.19	19.14	23.26		
Sep-AJJ	9.32	16.44	20.02		
Oct-SAJ	6.22	12.75	15.66		

NOTE:

Highmore 23 N NWS Station (SD3838) was used for Mar 1986.

Harrold 12 SSW NWS Station (SD3608) was used for Sep 2000.

Rainfall Data
Highmore 23 N
Station #SD3838
Hyde County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	Year
1939	0.00	0.52	1.17	4.40	0.57	1.71	0.90	4.55	16.06	11.68	10.67	6.69	DRY	NORM	NORM	NORM	NORM	1939
1947	0.87	3.82	0.79	6.28	0.41	0.89	1.63	10.88	24.24	14.58	9.77	7.08	NORM	WET	NORM	NORM	NORM	1947
1948	0.48	1.77	0.68	6.36	3.98	1.59	0.64	6.06	22.21	25.34	19.09	9.08	DRY	WET	WET	WET	NORM	1948
1950	1.01	0.84	4.51	1.08	2.73	2.27	1.23	16.22	13.10	14.86	13.35	10.96	WET	NORM	NORM	NORM	NORM	1950
1952	0.46	0.00	1.47	4.22	1.44	4.35	0.00	4.87	15.60	14.23	20.15	10.14	DRY	NORM	NORM	WET	NORM	1952
1953	0.72	2.90	1.94	6.34	2.91	3.34	0.31	12.34	25.80	23.35	22.18	10.52	NORM	WET	WET	WET	NORM	1953
1957	0.05	1.70	5.64	6.27	4.64	3.56	2.65	20.37	31.79	32.10	26.23	19.71	WET	WET	WET	WET	WET	1957
1962	1.00	1.25	4.76	5.49	1.67	3.54	0.30	17.78	27.24	20.75	19.45	9.65	WET	WET	WET	WET	NORM	1962
1964	0.69	3.66	2.63	5.49	1.96	0.72	0.03	15.90	25.39	19.49	11.57	3.49	WET	WET	NORM	NORM	DRY	1964
1965	0.69	2.91	3.00	1.67	0.64	0.84	2.77	15.51	13.92	8.26	5.47	10.63	WET	NORM	DRY	DRY	NORM	1965
1968	0.15	4.91	2.19	5.27	4.52	4.49	1.74	16.54	25.10	26.29	27.78	18.72	WET	WET	WET	WET	WET	1968
1970	0.59	3.36	1.68	2.33	1.76	2.07	1.51	12.35	13.71	11.62	12.06	10.43	NORM	NORM	NORM	NORM	NORM	1970
1971	0.08	3.43	3.18	4.48	0.55	2.98	2.82	16.48	23.23	13.79	14.52	14.97	WET	WET	NORM	NORM	WET	1971
1973	1.77	0.70	2.50	1.01	1.88	1.44	3.06	10.67	8.73	10.16	9.09	13.94	NORM	DRY	NORM	NORM	NORM	1973
1976	0.64	1.06	0.24	1.59	0.19	0.53	0.46	3.48	6.31	3.99	3.56	2.63	DRY	DRY	DRY	DRY	DRY	1976
1978	0.40	3.02	2.48	3.44	2.36	1.81	0.38	13.88	18.30	16.44	13.59	7.12	NORM	NORM	NORM	NORM	NORM	1978
1979	0.40	3.02	2.48	3.44	2.36	1.81	0.38	13.88	18.30	16.44	13.59	7.12	NORM	NORM	NORM	NORM	NORM	1979
1980	0.45	1.30	0.85	3.63	1.92	4.22	0.56	5.60	13.89	13.87	20.13	12.04	DRY	NORM	NORM	WET	NORM	1980
1981	2.68	0.12	1.43	1.58	5.78	2.75	0.53	7.21	7.72	21.93	21.39	12.87	NORM	DRY	WET	WET	NORM	1981
1982	2.13	1.36	3.31	2.00	1.89	0.29	1.74	14.78	13.98	12.98	6.65	7.69	NORM	NORM	NORM	DRY	NORM	1982
1983	1.85	1.22	2.41	2.80	4.22	2.03	1.01	11.52	14.44	20.67	17.33	11.31	NORM	NORM	WET	NORM	NORM	1983
1984	1.31	2.36	2.04	7.68	1.28	0.92	1.06	12.15	29.48	21.24	13.00	6.30	NORM	WET	WET	NORM	NORM	1984
1985	2.39	0.65	1.11	2.02	2.05	3.91	4.52	7.02	8.93	11.30	17.85	23.43	NORM	NORM	NORM	WET	WET	1985
1986	1.02	6.85	2.79	1.59	2.53	1.52	1.39	23.09	17.20	13.56	11.21	9.74	WET	NORM	NORM	NORM	NORM	1986
1987	1.49	0.05	2.07	2.09	3.02	3.01	0.99	7.80	10.46	15.31	17.16	12.01	NORM	NORM	NORM	NORM	NORM	1987
1988	0.39	0.86	2.81	1.86	0.14	2.00	1.37	10.54	12.06	6.95	8.14	8.25	NORM	NORM	DRY	NORM	NORM	1988
1989	1.46	4.51	0.93	0.27	1.04	0.73	3.10	13.27	7.18	4.59	4.54	11.80	NORM	DRY	DRY	DRY	NORM	1989
1990	1.01	2.92	1.92	4.89	3.08	1.33	1.20	12.61	21.43	20.94	15.04	9.34	NORM	WET	WET	NORM	NORM	1990
1991	1.35	3.64	7.77	5.97	0.37	0.63	0.85	31.94	37.09	20.82	8.60	4.18	WET	WET	WET	NORM	DRY	1991
1992	0.49	0.54	0.62	3.66	4.07	2.11	1.07	3.43	12.76	20.15	18.13	11.50	DRY	NORM	NORM	WET	NORM	1992
1993	0.49	1.47	1.78	6.01	8.60	2.84	2.05	8.77	23.06	39.60	31.73	20.43	NORM	WET	WET	WET	WET	1993
1994	0.08	1.72	1.20	1.34	11.18	2.22	1.78	7.12	8.14	37.42	30.36	20.96	NORM	DRY	WET	WET	WET	1994
1995	1.78	3.68	3.30	3.57	1.73	1.44	1.59	19.04	20.99	15.63	11.35	9.38	WET	WET	NORM	NORM	NORM	1995
1996	0.29	0.26	4.40	0.97	2.36	1.82	6.37	14.01	11.97	13.42	11.15	25.11	NORM	NORM	NORM	NORM	WET	1996
1997	0.25	1.48	4.50	4.66	4.05	1.49	1.49	16.71	24.46	25.97	17.23	11.50	WET	WET	WET	NORM	NORM	1997
1998	1.16	1.26	2.11	2.25	3.97	3.24	0.07	10.01	12.23	18.52	19.91	10.66	NORM	NORM	NORM	WET	NORM	1998
1999	0.60	2.09	4.13	4.57	2.00	3.06	2.96	17.17	24.06	19.27	17.75	17.00	WET	WET	NORM	WET	WET	1999
2000	0.82	2.30	2.43	2.48	1.59	0.70	0.00	12.71	14.60	12.16	7.76	2.99	NORM	NORM	NORM	NORM	DRY	2000
2001	0.00	3.98	2.59	2.00	2.17	1.50	1.25	15.73	15.16	13.10	10.84	8.92	WET	NORM	NORM	NORM	NORM	2001
2002	0.88	0.94	1.10	0.76	2.45	3.48	0.82	6.06	5.42	9.97	16.10	11.87	DRY	DRY	NORM	NORM	NORM	2002
2003	0.33	2.75	3.01	4.05	1.48	0.86	0.65	14.86	20.92	15.55	9.59	5.15	NORM	WET	NORM	NORM	DRY	2003
2004	1.50	0.63	4.14	4.80	2.08	3.47	4.80	15.18	23.31	19.98	19.37	23.42	NORM	WET	NORM	WET	WET	2004
2005	0.09	1.48	2.67	5.77	1.34	1.67	2.59	11.06	24.13	18.23	13.46	12.45	NORM	WET	NORM	NORM	NORM	2005
2006	0.96	1.60	0.57	3.84	0.44	5.35	3.13	5.87	14.26	9.57	20.77	20.53	DRY	NORM	NORM	WET	WET	2006
2007	1.89	2.39	4.48	3.65	1.59	5.15	1.19	20.11	22.30	16.55	22.28	15.46	WET	WET	NORM	WET	WET	2007
2008	1.11	0.95	1.41	3.55	3.12	0.99	3.52	7.24	14.42	17.87	12.76	15.66	NORM	NORM	NORM	NORM	WET	2008
2009	1.17	0.96	1.40	1.33	2.33	5.00	0.38	7.29	7.75	11.05	20.99	13.47	NORM	DRY	NORM	WET	NORM	2009
2010	0.83	1.74	5.02	2.71	4.40	0.38	2.92	19.37	19.91	23.64	12.65	13.92	WET	WET	WET	NORM	NORM	2010
2011	1.40	2.43	0.00	4.80	3.95	1.67	0.76	6.26	16.83	21.45	17.71	9.57	DRY	NORM	WET	WET	NORM	2011
2012	0.20	3.48	1.08	2.54	2.38	0.92	0.00	10.40	13.26	13.30	10.06	4.22	NORM	NORM	NORM	NORM	DRY	2012
2013	0.06	1.87	4.20	1.60	1.57	1.55	1.45	16.40	15.07	12.11	9.39	9.02	WET	NORM	NORM	NORM	NORM	2013
2014	0.58	2.40	1.93	4.36	1.12	1.92	1.02	11.17	19.34	14.01	12.36	8.02	NORM	WET	NORM	NORM	NORM	2014
2015	0.26	0.50	5.36	2.88	5.54	4.45	0.86	17.34	19.86	27.74	27.31	17.02	WET	WET	WET	WET	WET	2015
2016	0.75	4.27	1.88	3.28	0.93	2.35	2.32	14.93	17.87	11.23	12.19	12.59	NORM	NORM	NORM	NORM	NORM	2016
2017	1.25	1.52	0.56	1.50	2.55	1.78	2.86	5.97	7.14	11.21	11.94	14.69	DRY	DRY	NORM	NORM	WET	2017
2018	1.33	1.22	1.32	4.36	1.12	1.50	3.58	7.73	16.94	13.40	11.10	14.86	NORM	NORM	NORM	NORM	WET	2018

30% Lower		30% Upper		Normals are for 1971-2000 data	
Month	Bound	N	Bound	Month	
March	0.58	1.20	1.47	March	1.20
April	0.87	1.93	2.35	April	1.93
May	1.54	2.56	3.10	May	2.56
June	1.61	2.84	3.46	June	2.84
July	1.27	2.83	3.46	July	2.83
August	1.11	1.91	2.32	August	1.91
Sept.	0.66	1.61	1.99	Sept.	1.61
Jun-MAM	6.94	12.74	15.47		
Jul-JMA	8.78	15.57	18.93		
Aug-JJM	8.57	16.73	20.40		
Sep-AJJ	7.48	14.23	17.34		
Oct-SAJ	5.47	11.48	14.07		

NOTE:
Highmore 23N NWS Station (SD3832) has not collected data as of 2011.
Faulkmore 1W NWS Station (SD3822) was used for Mar 1997.
Faulkton 1 NW NWS Station (SD2927) was used for 1939; 1947; 1948;
1950; Mar, Apr 1952; Apr 1965; Aug 2007.
Seneca NWS Station (SD7551) was used for 2012-2018.

Rainfall Data
Hill City
Station #SD3868
Pennington County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.96	1.51	2.74	2.25	2.36	3.11	1.12	12.20	13.74	14.32	16.30	11.94	NORM	NORM	NORM	NORM	NORM	1980
1981	0.25	0.52	5.81	1.24	6.22	0.86	0.28	18.72	15.86	26.95	16.26	8.78	NORM	NORM	WET	NORM	NORM	1981
1982	1.18	0.93	5.88	3.55	3.42	1.79	2.96	20.68	23.34	23.24	15.76	15.88	WET	NORM	NORM	NORM	WET	1982
1983	1.77	1.29	2.39	2.43	1.13	4.09	0.70	11.52	13.36	10.64	16.96	11.41	NORM	NORM	DRY	NORM	NORM	1983
1984	0.55	3.66	1.94	4.43	5.17	1.49	1.21	13.69	20.83	26.31	19.24	11.78	NORM	NORM	WET	NORM	NORM	1984
1985	1.28	1.62	0.91	1.16	2.46	1.24	2.19	7.25	6.92	10.61	9.80	11.51	DRY	DRY	DRY	DRY	NORM	1985
1986	0.60	3.98	1.67	4.92	1.67	1.05	6.61	13.57	22.08	16.52	11.41	23.60	NORM	NORM	NORM	NORM	WET	1986
1987	1.69	0.38	7.29	0.57	1.84	3.13	0.81	24.32	16.67	13.95	13.64	10.53	WET	NORM	NORM	NORM	NORM	1987
1988	0.58	0.99	2.69	4.54	2.77	3.69	0.22	10.63	19.99	20.08	21.15	10.81	NORM	NORM	NORM	WET	NORM	1988
1989	0.84	1.46	2.60	2.06	1.76	3.65	4.76	11.56	12.84	12.00	16.53	23.34	NORM	NORM	DRY	NORM	WET	1989
1990	1.69	2.44	4.17	1.66	3.74	1.35	1.05	19.08	15.76	18.71	13.19	9.59	NORM	NORM	NORM	NORM	NORM	1990
1991	0.88	3.49	7.56	4.28	2.30	1.13	0.66	30.54	31.45	23.02	12.27	6.54	WET	WET	NORM	NORM	DRY	1991
1992	2.08	1.04	2.87	4.16	4.35	1.04	0.88	12.77	19.26	24.24	15.98	9.07	NORM	NORM	NORM	NORM	NORM	1992
1993	0.64	2.85	5.69	4.95	4.06	2.10	1.17	23.41	29.08	27.77	19.37	11.77	WET	WET	WET	NORM	NORM	1993
1994	0.71	2.18	1.93	1.07	1.24	1.18	0.49	10.86	9.25	7.79	7.09	5.07	NORM	DRY	DRY	DRY	DRY	1994
1995	0.83	2.03	6.87	5.80	3.97	1.35	1.43	25.50	33.17	30.38	17.79	10.96	WET	WET	WET	NORM	NORM	1995
1996	1.28	2.58	6.62	2.00	2.20	5.31	2.11	26.30	21.82	17.22	22.33	19.15	WET	NORM	NORM	WET	WET	1996
1997	0.27	3.09	4.18	3.83	6.64	2.39	1.61	18.99	22.94	31.76	24.28	16.25	NORM	NORM	WET	WET	WET	1997
1998	1.84	1.20	3.48	5.96	4.08	2.38	2.62	14.68	26.04	27.64	21.26	16.70	NORM	WET	WET	WET	WET	1998
1999	0.82	3.58	2.60	7.08	3.02	2.80	1.32	15.78	30.02	25.82	21.52	12.58	NORM	WET	WET	WET	NORM	1999
2000	0.98	5.01	2.98	1.64	3.68	0.70	0.62	19.94	15.89	17.30	11.10	6.94	NORM	NORM	NORM	NORM	NORM	2000
2001	0.56	2.90	2.30	4.55	3.90	1.57	2.05	13.26	21.15	23.10	17.06	13.19	NORM	NORM	NORM	NORM	NORM	2001
2002	1.30	2.01	3.08	2.25	3.16	3.23	3.79	14.56	14.92	17.06	18.26	20.99	NORM	NORM	NORM	NORM	WET	2002
2003	2.32	2.82	1.86	3.02	0.16	4.91	1.22	13.54	15.60	8.38	18.07	13.64	NORM	NORM	DRY	NORM	NORM	2003
2004	0.44	1.45	1.66	1.27	2.95	1.35	2.48	8.32	8.58	13.05	11.22	13.09	DRY	DRY	DRY	NORM	NORM	2004
2005	0.82	2.05	4.76	2.31	3.16	2.6	1.11	19.20	18.50	18.86	16.43	11.69	NORM	NORM	NORM	NORM	NORM	2005
2006	2.06	2.12	3.19	2.08	0.97	3.40	1.78	15.87	14.74	10.26	14.22	13.11	NORM	NORM	DRY	NORM	NORM	2006
2007	1.39	1.74	3.09	1.98	1.93	3.04	0.96	14.14	13.86	12.84	14.96	10.89	NORM	NORM	DRY	NORM	NORM	2007
2008	0.84	1.84	7.91	3.63	4.28	2.40	1.14	28.25	28.55	28.01	19.39	12.50	WET	WET	WET	NORM	NORM	2008
2009	1.35	3.54	1.43	2.54	3.54	1.73	1.11	12.72	14.02	17.13	14.81	10.33	NORM	NORM	NORM	NORM	NORM	2009
2010	0.47	3.96	5.54	3.18	2.23	1.66	1.04	25.01	24.58	18.59	12.62	8.67	WET	NORM	NORM	NORM	NORM	2010
2011	0.91	1.53	7.80	2.36	2.37	2.69	0.41	27.37	24.21	19.63	15.17	8.98	WET	NORM	NORM	NORM	NORM	2011
2012	0.26	1.63	3.75	2.62	4.99	0.08	0.05	14.77	16.99	23.96	12.84	5.30	NORM	NORM	NORM	NORM	DRY	2012
2013	1.72	3.30	2.56	2.46	4.89	4.55	1.20	16.00	15.80	22.15	25.89	17.59	NORM	NORM	NORM	WET	WET	2013
2014	1.48	1.90	2.65	5.71	2.71	2.48	4.21	13.23	24.33	22.20	18.57	20.30	NORM	NORM	NORM	NORM	WET	2014
2015	0.31	1.77	8.09	9.15	3.68	3.39	0.26	28.12	45.40	37.43	26.68	11.24	WET	WET	WET	WET	NORM	2015
2016	1.08	1.68	2.63	1.28	4.07	2.80	1.61	12.33	10.78	17.40	17.82	14.50	NORM	DRY	NORM	NORM	WET	2016
2017	0.90	3.74	2.38	2.01	2.74	1.50	2.25	15.52	14.53	14.62	11.99	12.49	NORM	NORM	NORM	NORM	NORM	2017
2018	1.58	2.08	5.24	4.35	10.73	1.08	1.43	21.46	25.61	46.13	29.05	17.18	WET	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.59	1.05	1.28	March	1.05
April	1.47	2.35	2.84	April	2.35
May	2.34	3.61	4.35	May	3.61
June	2.08	3.62	4.40	June	3.62
July	2.33	3.39	4.05	July	3.39
August	1.30	2.11	2.55	August	2.11
Sept.	0.62	1.47	1.78	Sept.	1.47
Jun-MAM	10.55	16.58	20.01		
Jul-JMA	12.39	20.43	24.74		
Aug-JJM	13.49	21.02	25.30		
Sep-AJJ	10.64	16.73	20.15		
Oct-SAJ	6.79	12.02	14.49		

Rainfall Data
Hot Springs
Station #SD4007
Fall River County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.91	0.94	1.80	2.48	2.10	1.99	0.31	8.19	11.98	13.06	12.65	7.01	NORM	NORM	NORM	NORM	NORM	1980
1981	0.32	0.80	5.89	1.19	3.94	0.98	0.36	19.59	16.15	20.09	12.01	6.98	WET	NORM	WET	NORM	NORM	1981
1982	1.07	1.03	6.45	4.76	1.88	1.81	2.38	22.48	28.21	21.61	13.95	12.64	WET	WET	WET	NORM	WET	1982
1983	1.40	0.78	2.13	3.15	2.11	0.93	0.43	9.35	14.49	14.76	10.16	5.26	NORM	NORM	NORM	NORM	DRY	1983
1984	1.30	3.69	2.28	3.03	1.90	1.25	0.49	15.52	17.34	14.04	10.58	5.87	NORM	NORM	NORM	NORM	NORM	1984
1985	0.34	1.10	0.55	1.70	2.64	0.37	2.46	4.19	7.30	11.87	8.09	10.76	DRY	DRY	NORM	DRY	NORM	1985
1986	0.63	2.52	1.30	3.94	1.71	0.85	3.17	9.57	16.94	14.31	9.91	12.92	NORM	NORM	NORM	NORM	WET	1986
1987	1.54	0.07	4.04	0.97	0.97	1.68	0.92	13.80	11.06	8.89	7.95	7.09	NORM	NORM	DRY	DRY	NORM	1987
1988	0.13	0.43	2.60	2.53	2.32	2.20	1.02	8.79	13.22	14.62	13.77	9.78	NORM	NORM	NORM	NORM	NORM	1988
1989	0.68	1.38	1.46	0.86	2.68	0.98	3.41	7.82	6.88	11.22	9.16	14.87	DRY	DRY	NORM	NORM	WET	1989
1990	1.08	2.23	6.36	1.53	2.59	0.99	1.56	24.62	19.54	17.19	9.68	9.25	WET	NORM	NORM	NORM	NORM	1990
1991	0.98	1.48	4.50	3.81	2.25	0.95	0.93	17.44	21.91	18.87	11.16	6.94	WET	WET	NORM	NORM	NORM	1991
1992	1.85	0.66	3.40	4.36	4.10	1.46	0.09	13.37	20.54	24.42	16.94	7.29	NORM	WET	WET	WET	NORM	1992
1993	1.30	2.68	1.59	5.50	5.11	3.64	1.34	11.43	22.36	27.92	26.64	16.41	NORM	WET	WET	WET	WET	1993
1994	0.66	0.85	1.37	2.10	0.60	1.54	0.34	6.47	9.89	7.37	7.92	4.70	DRY	DRY	DRY	DRY	DRY	1994
1995	0.91	1.70	5.96	4.40	1.84	1.10	1.47	22.19	26.82	20.28	11.38	8.45	WET	WET	WET	NORM	NORM	1995
1996	0.68	2.78	5.08	0.71	1.68	4.99	1.88	21.48	15.07	11.54	19.04	17.30	WET	NORM	NORM	WET	WET	1996
1997	0.38	2.70	3.85	4.67	8.05	1.25	0.48	17.33	24.41	37.34	24.52	11.99	WET	WET	WET	WET	NORM	1997
1998	2.20	0.83	4.13	3.50	2.47	3.53	1.98	16.25	19.59	18.54	19.03	15.47	NORM	NORM	NORM	WET	WET	1998
1999	0.91	3.97	1.97	6.31	1.39	3.03	2.14	14.76	26.84	18.76	18.18	13.87	NORM	WET	NORM	WET	WET	1999
2000	1.03	6.30	1.83	1.10	1.00	0.60	0.93	19.12	13.26	7.03	4.90	4.99	WET	NORM	DRY	DRY	DRY	2000
2001	1.07	1.77	1.94	1.75	1.91	0.94	0.37	10.43	10.90	11.17	8.39	4.90	NORM	NORM	NORM	NORM	DRY	2001
2002	1.30	1.18	2.22	1.04	0.88	2.27	3.19	10.32	8.74	6.94	9.61	14.99	NORM	DRY	DRY	NORM	WET	2002
2003	2.01	2.75	2.37	4.55	0.34	1.15	1.95	14.62	21.14	12.49	8.68	8.49	NORM	WET	NORM	NORM	NORM	2003
2004	0.86	0.34	1.30	1.04	1.82	0.99	3.01	5.44	6.06	8.84	7.65	12.83	DRY	DRY	DRY	DRY	WET	2004
2005	0.54	2.75	3.98	3.16	3.3	2.69	0.35	17.98	20.19	20.20	17.83	9.73	WET	WET	WET	WET	NORM	2005
2006	2.32	1.55	0.97	1.73	1.27	1.93	0.60	8.33	8.68	8.24	10.06	6.93	NORM	DRY	DRY	NORM	NORM	2006
2007	0.66	1.43	1.82	1.57	1.85	2.56	1.89	8.98	9.78	10.51	12.95	12.64	NORM	DRY	NORM	NORM	WET	2007
2008	1.33	1.21	5.27	1.92	3.94	1.30	1.54	19.56	17.51	20.93	13.70	11.16	WET	NORM	WET	NORM	NORM	2008
2009	1.46	3.80	1.55	3.17	1.66	2.30	0.99	13.71	16.41	12.87	13.39	9.23	NORM	NORM	NORM	NORM	NORM	2009
2010	0.53	4.44	5.75	4.94	3.53	2.80	1.32	26.66	30.76	26.22	20.40	13.09	WET	WET	WET	WET	WET	2010
2011	0.97	0.98	5.87	2.70	1.34	1.20	1.65	20.54	20.82	15.29	8.98	8.69	WET	WET	NORM	NORM	NORM	2011
2012	0.23	1.73	3.24	1.73	1.78	0.27	0.03	13.41	13.40	12.04	6.10	2.41	NORM	NORM	NORM	DRY	DRY	2012
2013	0.46	2.71	2.89	1.50	3.37	5.29	1.52	14.55	12.99	16.00	24.11	18.51	NORM	NORM	NORM	WET	WET	2013
2014	0.81	2.45	3.21	4.46	1.28	3.21	4.49	15.34	22.25	15.97	16.65	21.17	NORM	WET	NORM	WET	WET	2014
2015	0.29	1.03	6.56	6.72	3.63	0.73	0.63	22.03	34.31	30.89	16.17	6.98	WET	WET	WET	WET	NORM	2015
2016	0.98	1.95	2.09	1.87	2.92	1.47	2.08	11.15	11.74	14.59	12.12	12.10	NORM	NORM	NORM	NORM	NORM	2016
2017	0.71	2.90	2.77	2.69	1.61	1.35	0.79	14.82	16.51	12.98	9.96	6.68	NORM	NORM	NORM	NORM	NORM	2017
2018	1.34	1.07	5.17	3.45	2.82	1.44	1.15	18.99	21.76	20.53	13.41	9.15	WET	WET	WET	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.55	0.92	1.11	March	0.92
April	1.03	1.95	2.39	April	1.95
May	1.86	3.03	3.67	May	3.03
June	1.77	2.81	3.39	June	2.81
July	1.70	2.57	3.09	July	2.57
August	1.00	1.77	2.16	August	1.77
Sept.	0.61	1.33	1.62	Sept.	1.33
Jun-MAM	8.19	13.91	16.90		
Jul-JMA	10.06	16.44	19.90		
Aug-JJM	10.50	16.36	19.72		
Sep-AJJ	8.17	13.26	16.05		
Oct-SAJ	5.53	10.10	12.27		

Rainfall Data
Howard
Station #SD4037
Miner County, SD

Portion of the table to be used with
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	Year
1940	2.12	2.17	0.24	4.73	2.55	2.73	0.79	7.18	16.84	17.35	18.02	10.38	DRY	NORM	NORM	NORM	NORM	1940
1941	0.52	4.77	1.42	3.71	0.52	1.31	1.81	14.32	18.74	10.40	8.68	8.57	NORM	NORM	DRY	DRY	DRY	1941
1950	0.91	1.21	4.34	1.73	2.62	2.2	7.15	16.35	15.08	15.66	13.57	28.47	NORM	NORM	NORM	NORM	WET	1950
1952	0.84	0.65	2.09	6.12	1.25	2.11	0.46	8.41	23.19	18.08	14.95	6.85	DRY	NORM	NORM	NORM	DRY	1952
1956	0.90	2.52	1.75	2.08	4.01	4.22	0.61	11.19	12.26	17.94	22.76	14.28	NORM	NORM	NORM	WET	NORM	1956
1957	1.07	2.95	4.56	3.35	2.49	3.02	2.17	20.65	22.12	18.73	17.39	15.04	WET	NORM	NORM	NORM	NORM	1957
1964	1.90	3.65	2.03	2.09	2.52	2.15	2.05	15.29	13.98	13.77	13.58	12.97	NORM	NORM	NORM	NORM	NORM	1964
1970	1.53	3.52	2.41	3.66	1.56	1.33	1.41	15.80	19.32	14.41	10.77	8.45	NORM	NORM	NORM	DRY	DRY	1970
1971	0.75	2.23	1.83	4.20	2.23	2.46	0.91	10.70	18.49	16.92	16.04	9.88	NORM	NORM	NORM	NORM	NORM	1971
1973	2.47	1.36	2.16	1.60	1.42	3.81	5.36	11.67	10.48	9.62	15.87	25.12	NORM	DRY	DRY	NORM	WET	1973
1974	1.54	1.00	4.16	1.79	1.89	1.56	0.11	16.02	14.69	13.41	10.25	5.34	NORM	NORM	NORM	DRY	DRY	1974
1976	1.13	1.73	0.43	2.55	0.91	1.22	2.39	5.88	10.24	8.26	8.03	10.52	DRY	DRY	DRY	DRY	NORM	1976
1978	0.39	3.25	4.60	1.38	4.03	2.33	1.47	20.69	16.59	19.45	16.43	13.10	WET	NORM	NORM	NORM	NORM	1978
1979	1.65	2.89	3.00	3.68	3.97	3.53	1.63	16.43	19.93	22.27	22.21	15.92	NORM	NORM	NORM	NORM	NORM	1979
1980	0.75	0.86	1.31	4.57	1.84	4.53	0.19	6.40	17.19	15.97	21.84	11.47	DRY	NORM	NORM	NORM	NORM	1980
1981	1.83	1.67	0.85	3.69	2.99	3.06	0.95	7.72	14.44	17.20	18.85	11.96	DRY	NORM	NORM	NORM	NORM	1981
1982	1.02	1.34	5.31	1.91	4.15	5.74	1.88	19.63	17.69	21.58	27.43	21.27	WET	NORM	NORM	WET	WET	1982
1983	2.72	1.79	0.95	5.11	3.69	0.84	1.20	9.15	19.02	22.24	15.01	8.97	DRY	NORM	NORM	NORM	DRY	1983
1984	1.55	4.45	2.25	8.61	2.36	1.06	0.44	17.20	34.78	26.55	16.51	5.80	NORM	WET	WET	NORM	DRY	1984
1985	2.43	3.25	3.82	1.83	1.95	3.72	2.93	20.39	16.38	13.33	16.89	18.18	WET	NORM	NORM	NORM	NORM	1985
1986	1.24	7.31	2.86	3.85	2.30	2.43	6.10	24.44	24.58	17.46	15.74	25.46	WET	WET	NORM	NORM	WET	1986
1987	3.22	0.38	1.53	1.78	5.39	2.74	2.27	8.57	8.78	21.26	20.78	17.68	DRY	DRY	NORM	NORM	NORM	1987
1988	1.10	2.16	2.95	1.40	1.90	5.24	3.83	14.27	12.26	11.45	20.92	23.87	NORM	NORM	DRY	NORM	WET	1988
1989	2.76	0.83	1.16	3.68	4.76	2.25	2.91	7.90	14.19	22.80	19.95	17.99	DRY	NORM	NORM	NORM	NORM	1989
1990	0.71	1.19	5.76	8.04	3.55	2.51	0.50	20.37	36.83	32.49	22.67	10.07	WET	WET	WET	WET	NORM	1990
1991	0.45	3.63	4.72	7.95	2.28	2.58	2.13	21.87	36.92	27.46	20.25	13.83	WET	WET	WET	NORM	NORM	1991
1992	1.17	3.07	1.38	3.70	7.81	5.90	2.35	11.45	16.93	32.21	37.02	26.66	NORM	NORM	WET	WET	WET	1992
1993	1.45	2.58	4.25	8.63	8.02	2.31	2.18	19.36	36.97	45.57	31.60	19.18	WET	WET	WET	WET	WET	1993
1994	0.40	2.65	1.01	4.23	2.03	2.16	2.24	8.73	17.36	15.56	14.77	13.07	DRY	NORM	NORM	NORM	NORM	1994
1995	5.93	5.94	4.08	1.17	4.15	3.85	4.06	30.05	17.61	18.87	21.02	24.03	WET	NORM	NORM	NORM	WET	1995
1996	0.50	1.75	4.18	2.94	2.03	2.18	3.37	16.54	18.93	16.15	13.54	16.50	NORM	NORM	NORM	NORM	NORM	1996
1997	0.60	2.33	3.24	0.80	4.54	2.24	2.93	14.98	11.21	18.46	16.60	17.81	NORM	DRY	NORM	NORM	NORM	1997
1998	2.79	2.89	1.47	4.14	3.30	4.45	0.60	12.98	18.25	19.65	24.09	14.00	NORM	NORM	NORM	WET	NORM	1998
1999	0.48	4.71	3.78	3.40	2.74	2.35	4.69	21.24	22.47	18.80	15.93	21.51	WET	NORM	NORM	NORM	WET	1999
2000	0.57	2.36	5.20	3.03	1.56	2.07	0.95	20.89	21.85	15.94	12.36	8.55	WET	NORM	NORM	NORM	DRY	2000
2001	0.66	6.55	2.97	2.75	0.86	0.13	3.10	22.67	20.74	11.05	4.86	10.42	WET	NORM	DRY	DRY	NORM	2001
2002	1.39	1.57	1.90	3.92	1.44	8.40	1.21	10.23	17.13	14.06	32.00	21.87	NORM	NORM	NORM	WET	WET	2002
2003	0.48	3.96	2.02	6.78	2.98	1.96	1.64	14.46	28.34	24.52	18.62	11.82	NORM	WET	WET	NORM	NORM	2003
2004	1.04	1.02	6.81	3.93	5.96	2.48	4.51	23.51	26.43	32.55	23.29	24.45	WET	WET	WET	WET	WET	2004
2005	0.41	1.5	4.29	5.74	3.1	1.68	7.1	16.28	27.30	25.07	16.98	27.76	NORM	WET	WET	NORM	WET	2005
2006	1.42	3.56	1.34	1.66	0.86	6.69	5.52	12.56	11.22	7.24	23.45	30.80	NORM	DRY	DRY	WET	WET	2006
2007	3.81	3.80	4.93	2.27	0.50	5.86	2.27	26.20	20.47	10.97	20.85	19.03	WET	NORM	DRY	NORM	WET	2007
2008	1.19	2.81	2.27	4.35	1.99	0.77	2.05	13.62	20.40	16.94	10.64	9.68	NORM	NORM	NORM	DRY	NORM	2008
2009	1.40	1.57	2.00	4.61	4.60	1.48	2.50	10.54	19.40	25.02	18.25	15.06	NORM	NORM	WET	NORM	NORM	2009
2010	1.35	1.62	1.67	11.78	6.52	4.70	5.93	9.60	40.30	44.79	38.92	33.71	NORM	WET	WET	WET	WET	2010
2011	0.67	2.95	5.89	3.66	2.87	3.31	0.23	24.24	25.71	21.82	19.33	10.18	WET	WET	NORM	NORM	NORM	2011
2012	0.55	3.58	7.63	1.76	0.20	1.56	0.84	30.60	24.12	11.75	6.84	5.84	WET	WET	DRY	DRY	DRY	2012
2013	1.25	3.69	6.04	4.79	3.22	2.75	2.77	26.75	30.14	25.28	19.48	17.03	WET	WET	WET	NORM	NORM	2013
2014	1.29	1.07	2.52	6.91	0.53	2.21	1.13	10.99	26.84	17.93	14.60	8.34	NORM	WET	NORM	NORM	DRY	2014
2015	0.16	0.45	3.45	2.77	3.80	3.87	2.06	11.41	15.66	20.39	21.98	17.72	NORM	NORM	NORM	NORM	NORM	2015
2016	1.60	2.45	5.52	1.41	1.32	4.31	3.28	23.06	17.72	12.30	16.98	19.78	WET	NORM	DRY	NORM	WET	2016
2017	0.76	1.60	4.72	1.80	4.39	4.30	3.75	18.12	16.44	21.49	23.48	24.24	NORM	NORM	NORM	WET	WET	2017
2018	2.08	2.71	1.69	3.32	4.09	2.04	3.63	12.57	16.05	20.60	17.62	19.06	NORM	NORM	NORM	NORM	WET	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data
	Bound	N	Bound		
March	0.87	1.57	1.92	March	1.57
April	1.53	2.45	2.97	April	2.45
May	1.82	3.03	3.67	May	3.03
June	2.28	3.64	4.39	June	3.64
July	2.02	3.13	3.77	July	3.13
August	2.01	2.90	3.45	August	2.90
Sept.	1.08	2.25	2.74	Sept.	2.25
Jun-MAM	9.39	15.56	18.87		
Jul-JMA	12.01	19.43	23.48		
Aug-JJM	12.44	19.70	23.76		
Sep-AJJ	12.35	18.60	22.28		
Oct-SAJ	9.28	15.68	18.89		

Rainfall Data
Huron WSO AP
Station #SD4127
Beadle County, SD

Portion of the table to be used with the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					
Year	March	April	May	June	July	Aug	Sept	June	July	Aug	Sept	Oct	June	July	Aug	Sept	Oct	Year
1938	0.25	2.41	5.92	4.05	1.13	1.54	1.69	22.83	26.40	17.41	10.93	9.28	WET	WET	NORM	NORM	NORM	1938
1939	1.06	2.78	1.29	1.61	0.69	1.28	0.86	10.49	10.19	6.58	6.83	5.83	NORM	DRY	DRY	DRY	DRY	1939
1940	2.10	4.69	2.62	3.33	3.45	0.61	1.49	19.34	19.92	19.63	12.06	9.14	WET	NORM	NORM	NORM	NORM	1940
1952	0.70	0.30	0.51	2.70	1.06	1.34	0.10	2.83	9.42	9.09	8.84	4.04	DRY	DRY	DRY	DRY	DRY	1952
1953	1.45	3.84	1.69	5.42	1.79	1.28	0.40	14.20	23.48	17.90	12.84	5.55	NORM	WET	NORM	NORM	DRY	1953
1954	1.96	0.81	2.21	2.49	1.10	1.74	0.92	10.21	12.70	10.49	9.91	7.34	NORM	NORM	DRY	NORM	NORM	1954
1957	0.25	2.41	5.92	4.05	1.13	1.54	1.69	22.83	26.40	17.41	10.93	9.28	WET	WET	NORM	NORM	NORM	1957
1964	1.06	2.78	1.29	1.61	0.69	1.28	0.86	10.49	10.19	6.58	6.83	5.83	NORM	DRY	DRY	DRY	DRY	1964
1965	1.21	2.42	4.33	3.49	0.68	1.72	3.57	19.04	21.55	13.35	10.01	14.83	WET	NORM	NORM	NORM	NORM	1965
1970	2.10	4.69	2.62	3.33	3.45	0.61	1.49	19.34	19.92	19.63	12.06	9.14	WET	NORM	NORM	NORM	NORM	1970
1977	5.89	2.13	1.83	1.31	1.50	2.57	2.29	15.64	9.72	8.95	12.02	13.51	NORM	DRY	DRY	NORM	NORM	1977
1978	0.35	3.11	3.66	2.20	2.49	1.81	0.99	17.55	17.03	15.53	12.61	9.08	NORM	NORM	NORM	NORM	NORM	1978
1979	1.96	2.23	1.64	2.37	2.61	1.50	0.23	11.34	12.62	14.21	12.09	6.30	NORM	NORM	NORM	NORM	DRY	1979
1980	0.81	0.82	1.68	5.31	3.21	3.94	0.91	7.49	20.11	21.93	23.55	13.82	DRY	NORM	NORM	WET	NORM	1980
1981	1.90	0.24	0.68	1.48	2.24	4.63	1.28	4.42	6.04	10.36	19.85	15.34	DRY	DRY	DRY	WET	WET	1981
1982	1.60	1.29	4.58	1.25	5.10	2.85	3.49	17.92	14.20	22.38	20.00	21.27	NORM	NORM	WET	WET	WET	1982
1983	2.35	1.14	1.37	4.62	2.22	0.45	1.27	8.74	17.74	17.27	10.41	6.93	NORM	NORM	NORM	NORM	DRY	1983
1984	1.50	2.83	2.52	11.49	1.81	3.55	3.36	14.72	42.34	30.93	25.76	18.99	NORM	WET	WET	WET	WET	1984
1985	3.86	1.57	2.03	2.36	4.67	2.57	1.06	13.09	12.71	20.76	19.41	12.99	NORM	NORM	NORM	WET	NORM	1985
1986	1.56	5.08	3.15	2.50	6.44	2.84	0.42	21.17	18.88	27.47	23.90	13.38	WET	NORM	WET	WET	NORM	1986
1987	4.78	0.42	2.34	1.54	2.19	2.98	0.42	12.64	9.72	11.99	14.86	9.41	NORM	DRY	NORM	NORM	NORM	1987
1988	0.88	2.06	5.58	0.77	1.44	2.13	0.09	21.74	15.53	11.44	10.04	5.97	WET	NORM	NORM	NORM	DRY	1988
1989	2.17	1.60	1.00	3.19	1.14	1.25	0.26	8.37	13.17	10.80	9.22	4.42	DRY	NORM	DRY	DRY	DRY	1989
1990	1.31	1.92	6.28	6.34	3.51	0.72	1.27	23.99	33.50	29.49	15.52	8.76	WET	WET	WET	NORM	NORM	1990
1991	0.62	5.59	3.72	5.72	1.76	1.18	0.98	22.96	30.19	20.44	12.78	7.06	WET	WET	NORM	NORM	NORM	1991
1992	0.86	2.10	0.33	5.43	4.86	2.78	0.39	6.05	19.05	25.77	23.49	11.59	DRY	NORM	WET	WET	NORM	1992
1993	1.57	3.18	3.32	7.12	6.69	2.39	0.63	17.89	31.18	37.63	27.67	13.36	NORM	WET	WET	WET	NORM	1993
1994	0.27	2.75	1.67	5.12	2.95	1.27	2.02	10.78	21.45	20.76	14.83	11.55	NORM	NORM	NORM	NORM	NORM	1994
1995	3.25	5.31	6.40	2.20	2.87	3.19	2.33	33.07	24.71	19.41	17.51	16.24	WET	WET	NORM	NORM	WET	1995
1996	0.62	0.21	4.75	1.78	1.79	2.41	3.69	15.29	15.05	13.68	12.59	17.68	NORM	NORM	NORM	NORM	WET	1996
1997	0.16	2.70	2.38	3.08	6.30	1.42	3.87	12.70	16.70	27.44	19.94	20.75	NORM	NORM	WET	WET	WET	1997
1998	2.54	1.91	4.06	3.02	1.82	1.80	0.00	18.54	19.09	15.56	12.06	5.42	NORM	NORM	NORM	NORM	DRY	1998
1999	0.25	3.24	2.87	3.00	1.30	2.56	2.10	15.34	17.98	12.77	13.28	12.72	NORM	NORM	NORM	NORM	NORM	1999
2000	0.35	2.61	4.43	2.92	3.22	1.20	0.44	18.86	20.23	19.93	12.96	6.94	WET	NORM	NORM	NORM	DRY	2000
2001	0.78	6.64	2.41	5.03	2.59	1.08	1.73	21.29	26.55	20.24	13.45	9.94	WET	WET	NORM	NORM	NORM	2001
2002	1.73	1.58	1.32	1.28	0.84	3.66	0.72	8.85	8.06	6.40	13.94	10.32	NORM	DRY	DRY	NORM	NORM	2002
2003	0.27	1.58	2.61	4.04	1.28	1.49	1.60	11.26	18.92	14.53	11.07	9.06	NORM	NORM	NORM	NORM	NORM	2003
2004	1.98	1.91	3.58	3.33	4.44	3.10	5.54	16.54	19.06	23.56	21.51	27.26	NORM	NORM	WET	WET	WET	2004
2005	0.38	0.67	2.81	5.58	1.4	2.52	6.67	10.15	23.03	18.17	15.94	26.45	NORM	WET	NORM	NORM	WET	2005
2006	1.04	1.65	1.69	1.56	0.46	4.47	4.59	9.41	9.71	6.19	15.89	23.17	NORM	DRY	DRY	NORM	WET	2006
2007	2.08	1.92	7.41	6.23	0.20	6.47	1.01	28.15	35.43	20.47	26.04	16.17	WET	WET	NORM	WET	WET	2007
2008	1.49	2.05	2.26	4.05	2.47	2.79	3.27	12.37	18.72	17.77	17.36	17.86	NORM	NORM	NORM	NORM	WET	2008
2009	1.68	1.07	2.16	4.35	3.06	1.46	2.71	10.30	18.44	20.04	14.85	14.11	NORM	NORM	NORM	NORM	NORM	2009
2010	1.82	2.40	3.67	7.52	6.43	1.60	3.50	17.63	32.30	38.00	25.18	20.13	NORM	WET	WET	WET	WET	2010
2011	1.40	2.59	3.34	3.95	3.49	2.35	0.45	16.60	21.12	21.71	17.98	9.54	NORM	NORM	NORM	NORM	NORM	2011
2012	0.99	5.44	1.92	3.13	0.50	1.90	0.60	17.63	18.67	9.68	9.83	6.10	NORM	NORM	DRY	NORM	DRY	2012
2013	0.78	2.94	5.49	3.46	1.93	1.22	1.41	23.13	24.30	18.20	10.98	8.60	WET	WET	NORM	NORM	NORM	2013
2014	0.47	1.41	2.05	2.37	3.67	3.03	1.10	9.44	12.62	17.80	18.80	13.03	NORM	NORM	NORM	WET	NORM	2014
2015	0.16	0.60	4.57	4.60	3.61	5.04	2.16	15.07	23.54	24.60	26.94	20.17	NORM	WET	WET	WET	WET	2015
2016	1.07	4.14	2.73	1.91	1.00	2.83	1.29	17.54	15.33	9.55	12.40	10.53	NORM	NORM	DRY	NORM	NORM	2016
2017	0.77	1.18	1.34	3.04	3.40	1.78	5.97	7.15	12.98	17.62	15.18	24.87	DRY	NORM	NORM	NORM	WET	2017
2018	1.96	2.29	1.39	2.53	1.71	1.34	3.37	10.71	12.66	11.58	9.97	14.50	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000
	Bound	N	Bound		
March	0.74	1.67	2.03	March	1.67
April	1.27	2.29	2.79	April	2.29
May	1.75	3.00	3.65	May	3.00
June	1.94	3.28	3.99	June	3.28
July	1.77	2.86	3.46	July	2.86
August	1.27	2.07	2.50	August	2.07
Sept.	0.90	1.80	2.23	Sept.	1.80
Jun-MAM	8.53	15.25	18.56		
Jul-JMA	10.59	18.13	22.06		
Aug-JJM	10.94	18.14	22.01		
Sep-AJJ	9.29	15.21	18.41		
Oct-SAJ	7.01	12.40	15.15		

Rainfall Data
Interior 3 NE
Station #SD4184
Jackson County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.87	1.45	1.37	2.10	1.38	1.58	0.23	7.88	10.49	9.71	9.60	5.23	DRY	NORM	DRY	NORM	NORM	1980
1981	0.07	0.67	2.50	2.69	3.40	2.74	0.24	8.91	13.74	18.08	17.71	9.60	NORM	NORM	NORM	WET	NORM	1981
1982	1.41	0.71	7.28	2.93	4.36	1.87	1.36	24.67	24.06	26.22	17.26	12.18	WET	WET	WET	WET	WET	1982
1983	1.65	1.54	3.36	3.24	1.87	1.08	0.29	14.81	17.98	15.45	10.22	4.90	NORM	NORM	NORM	NORM	DRY	1983
1984	0.54	2.18	2.38	3.56	1.29	1.35	1.26	12.04	17.62	13.37	10.19	7.77	NORM	NORM	NORM	NORM	NORM	1984
1985	0.86	0.91	0.42	1.58	2.00	1.46	1.88	3.94	6.49	9.58	9.96	10.56	DRY	DRY	DRY	NORM	NORM	1985
1986	1.38	4.38	2.01	4.15	2.51	2.93	3.53	16.17	20.85	17.84	17.96	18.96	NORM	NORM	NORM	WET	WET	1986
1987	2.83	0.62	3.52	0.73	1.78	1.36	0.41	14.63	9.85	10.32	8.37	5.73	NORM	DRY	NORM	NORM	NORM	1987
1988	0.30	0.43	3.55	2.93	0.30	0.98	0.79	11.81	16.32	10.31	6.47	4.63	NORM	NORM	NORM	DRY	DRY	1988
1989	1.49	2.01	1.07	0.71	1.93	0.74	4.08	8.72	6.28	8.28	6.79	15.65	NORM	DRY	DRY	DRY	WET	1989
1990	1.11	0.72	4.04	2.72	2.98	1.58	0.54	14.67	16.96	18.42	13.42	7.76	NORM	NORM	NORM	NORM	NORM	1990
1991	0.36	1.92	6.52	7.75	0.98	2.26	1.66	23.76	38.21	24.96	16.49	10.48	WET	WET	WET	WET	NORM	1991
1992	1.52	1.10	1.53	3.15	3.98	1.33	0.16	8.31	13.61	19.77	15.10	7.12	DRY	NORM	WET	NORM	NORM	1992
1993	0.36	4.14	2.69	4.72	4.48	2.51	2.62	16.71	23.68	25.57	21.21	17.36	NORM	WET	WET	WET	WET	1993
1994	0.12	1.59	2.26	3.60	1.90	3.10	0.50	10.08	16.91	15.16	16.70	9.60	NORM	NORM	NORM	WET	NORM	1994
1995	0.96	3.27	6.28	3.66	1.75	0.82	0.86	26.34	26.81	18.85	9.62	5.97	WET	WET	NORM	NORM	NORM	1995
1996	0.66	1.33	6.79	2.55	0.80	0.97	3.16	23.69	22.56	14.29	7.06	12.22	WET	WET	NORM	DRY	WET	1996
1997	0.39	2.39	4.71	3.94	5.48	2.97	0.92	19.30	23.63	29.03	23.81	14.18	WET	WET	WET	WET	WET	1997
1998	3.11	0.12	4.01	5.68	3.99	2.33	0.82	15.38	25.18	27.34	20.65	11.11	NORM	WET	WET	WET	NORM	1998
1999	1.30	3.04	2.53	6.46	3.00	3.40	3.11	14.97	27.48	24.45	22.66	19.13	NORM	WET	WET	WET	WET	1999
2000	2.41	4.64	1.20	1.76	2.32	1.03	0.24	15.29	12.32	11.68	9.49	5.10	NORM	NORM	NORM	NORM	NORM	2000
2001	0.47	2.49	2.00	3.72	5.59	1.04	0.34	11.45	17.65	26.21	18.02	8.69	NORM	NORM	WET	WET	NORM	2001
2002	1.03	0.96	2.31	0.64	0.34	1.81	2.66	9.88	7.50	4.61	6.75	11.94	NORM	DRY	DRY	DRY	WET	2002
2003	1.10	2.66	2.88	2.55	2.18	0.43	1.10	15.06	16.07	14.52	8.20	6.34	NORM	NORM	NORM	DRY	NORM	2003
2004	0.93	0.28	1.78	1.89	1.68	0.43	4.09	6.83	9.51	10.60	6.54	14.81	DRY	DRY	NORM	DRY	WET	2004
2005	1.36	3.05	5.02	2.31	1.98	1.53	0.55	22.52	20.02	15.58	10.86	6.69	WET	NORM	NORM	NORM	NORM	2005
2006	2.05	2.29	1.01	0.84	0.38	1.69	3.05	9.66	6.83	3.83	6.67	12.91	NORM	DRY	DRY	DRY	WET	2006
2007	1.83	0.53	4.85	2.98	0.29	3.01	0.61	17.44	19.17	11.68	12.59	8.14	NORM	NORM	NORM	NORM	NORM	2007
2008	0.46	1.38	3.69	5.32	3.93	0.37	2.76	14.29	24.72	26.12	14.29	12.95	NORM	WET	WET	NORM	WET	2008
2009	2.55	2.54	0.50	2.33	1.07	0.99	0.08	9.13	10.53	8.37	7.44	3.29	NORM	NORM	DRY	DRY	DRY	2009
2010	1.74	3.54	2.45	2.92	1.26	1.38	0.84	16.17	17.20	12.07	9.58	6.54	NORM	NORM	NORM	NORM	NORM	2010
2011	1.00	2.08	4.19	4.88	3.03	1.82	1.59	17.73	25.10	23.04	16.40	11.44	NORM	WET	WET	WET	NORM	2011
2012	0.09	2.61	2.64	4.29	0.15	0.35	0.01	13.23	20.76	11.67	5.64	0.88	NORM	NORM	NORM	DRY	DRY	2012
2013	0.69	3.17	5.27	2.14	1.43	3.50	1.18	22.84	20.13	13.84	15.50	11.97	WET	NORM	NORM	NORM	WET	2013
2014	0.63	2.13	2.97	5.98	0.50	1.37	1.88	13.80	26.01	16.43	11.09	8.88	NORM	WET	NORM	NORM	NORM	2014
2015	0.00	1.32	9.47	5.96	0.53	1.93	1.07	31.05	38.14	22.98	12.81	7.60	WET	WET	WET	NORM	NORM	2015
2016	1.92	4.06	1.39	0.61	2.58	2.68	0.33	14.21	8.67	10.35	13.81	8.93	NORM	DRY	NORM	NORM	NORM	2016
2017	0.61	3.28	1.50	1.94	0.98	0.36	1.67	11.67	12.10	8.32	4.98	6.71	NORM	NORM	DRY	DRY	NORM	2017
2018	1.31	1.81	3.87	6.15	1.20	2.30	1.24	16.54	28.00	19.77	15.45	9.52	NORM	WET	WET	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.41	1.11	1.36	March	1.11
April	1.14	2.09	2.55	April	2.09
May	1.89	3.19	3.87	May	3.19
June	1.75	2.94	3.57	June	2.94
July	1.51	2.36	2.84	July	2.36
August	1.16	1.78	2.14	August	1.78
Sept.	0.42	1.24	1.48	Sept.	1.24

NOTE:

Cedar Butte / Cedar Butte 1 NE NWS Station (SD1539) was used for Sep 1984; Jul 2002.

Cottonwood 2 E NWS Station (SD1972) was used for Mar 2007; Apr 2008.

Jun-MAM	8.36	14.86	18.07
Jul-JMA	10.17	17.29	21.00
Aug-JJM	9.92	16.15	19.53
Sep-AJJ	8.25	13.00	15.67
Oct-SAJ	5.09	9.64	11.56

Rainfall Data
Ipswich
Station #SD4206
Edmunds County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1952	0.52	0.16	1.09	3.43	1.15	2.49	0.11	4.11	12.63	11.40	13.20	6.46	DRY	NORM	NORM	NORM	NORM	1952
1957	0.19	2.79	5.54	3.43	3.00	2.24	1.35	22.39	24.16	21.40	16.15	11.53	WET	WET	NORM	NORM	NORM	1957
1968	1.25	4.88	2.40	4.49	3.37	1.34	3.10	18.21	23.15	21.49	15.25	15.35	WET	WET	NORM	NORM	WET	1968
1970	0.59	2.64	2.41	3.79	1.75	0.73	1.94	13.10	18.83	15.24	9.48	9.03	NORM	NORM	NORM	NORM	NORM	1970
1974	0.43	3.21	5.80	0.51	2.86	0.93	0.26	24.25	16.34	15.40	9.02	5.50	WET	NORM	NORM	DRY	DRY	1974
1978	0.45	2.53	3.20	6.73	1.99	2.65	0.59	15.11	29.12	22.63	18.66	9.06	NORM	WET	NORM	NORM	NORM	1978
1980	0.92	1.37	1.45	1.99	1.24	6.04	0.93	8.01	10.24	9.15	22.59	16.11	NORM	DRY	DRY	WET	WET	1980
1981	2.46	0.24	2.28	3.18	3.92	1.59	1.40	9.78	14.34	20.40	15.79	11.30	NORM	NORM	NORM	NORM	NORM	1981
1982	1.49	1.12	3.37	3.32	2.88	1.40	0.88	13.84	17.82	18.65	13.28	8.32	NORM	NORM	NORM	NORM	NORM	1982
1983	1.86	1.24	1.48	3.64	4.63	3.03	1.44	8.78	15.12	22.65	21.99	15.01	NORM	NORM	WET	WET	NORM	1983
1984	1.94	2.94	1.78	7.05	1.81	2.34	0.96	13.16	27.65	21.31	17.69	9.37	NORM	WET	NORM	NORM	NORM	1984
1985	1.36	1.14	3.71	2.07	1.47	3.57	3.14	14.77	14.77	12.26	15.72	18.03	NORM	NORM	NORM	NORM	WET	1985
1986	0.39	6.10	3.10	3.85	3.14	2.53	2.06	21.89	23.85	20.22	17.72	14.38	WET	WET	NORM	NORM	NORM	1986
1987	1.61	0.00	1.41	0.96	3.70	1.85	0.49	5.84	5.70	14.43	13.91	8.87	DRY	DRY	NORM	NORM	NORM	1987
1988	0.07	0.19	1.67	1.19	1.63	1.68	2.50	5.46	7.10	8.94	9.49	12.49	DRY	DRY	DRY	NORM	NORM	1988
1989	1.79	2.60	0.57	5.91	1.88	3.33	2.74	8.70	21.47	18.03	19.66	16.76	NORM	WET	NORM	WET	WET	1989
1990	0.82	1.98	1.92	6.71	1.27	2.02	2.54	10.54	25.95	19.15	15.31	12.93	NORM	WET	NORM	NORM	NORM	1990
1991	0.70	2.85	7.22	4.30	0.40	1.14	0.49	28.06	30.19	17.02	8.52	4.15	WET	WET	NORM	DRY	DRY	1991
1992	0.49	0.31	1.52	5.31	3.59	1.74	0.95	5.67	19.28	22.91	17.71	9.92	DRY	NORM	WET	NORM	NORM	1992
1993	0.25	1.14	2.08	4.21	10.65	4.65	1.41	8.77	17.93	42.45	39.46	24.18	NORM	NORM	WET	WET	WET	1993
1994	0.54	2.57	0.58	1.11	8.67	3.93	2.01	7.42	7.06	28.81	30.24	22.56	DRY	DRY	WET	WET	WET	1994
1995	2.01	3.01	5.45	1.55	2.84	2.36	1.09	24.38	18.56	17.07	14.31	10.83	WET	NORM	NORM	NORM	NORM	1995
1996	1.11	0.35	3.50	2.62	2.30	0.19	6.43	12.31	15.21	15.64	7.79	21.97	NORM	NORM	NORM	DRY	WET	1996
1997	0.70	2.27	2.11	4.24	2.55	2.03	0.49	11.57	19.21	18.24	15.43	8.08	NORM	NORM	NORM	NORM	NORM	1997
1998	1.10	1.12	2.91	4.34	4.21	3.82	0.10	12.07	19.96	24.22	24.22	12.15	NORM	NORM	WET	WET	NORM	1998
1999	1.34	2.39	4.57	5.13	3.66	2.01	5.40	19.83	26.92	25.81	18.48	23.88	WET	WET	WET	NORM	WET	1999
2000	1.75	1.62	2.47	3.02	4.25	2.74	0.43	12.40	15.62	21.26	19.74	11.02	NORM	NORM	NORM	WET	NORM	2000
2001	0.09	2.71	1.97	2.69	3.53	1.33	1.62	11.42	14.72	17.94	13.74	11.05	NORM	NORM	NORM	NORM	NORM	2001
2002	0.8	1.02	1.08	0.76	3.14	4.67	0.72	6.08	5.46	12.02	21.05	14.64	DRY	DRY	NORM	WET	NORM	2002
2003	0.68	2.23	5.41	4.02	2.06	1.20	0.90	21.37	25.11	19.63	11.74	7.16	WET	WET	NORM	NORM	NORM	2003
2004	1.84	0.67	3.62	2.89	3.61	1.54	3.39	14.04	16.58	20.23	14.73	16.86	NORM	NORM	NORM	NORM	WET	2004
2005	0.15	0.26	2.28	5.96	1.5	3.33	1.47	7.51	22.70	18.70	18.95	12.57	NORM	WET	NORM	NORM	NORM	2005
2006	0.83	1.58	0.55	2.02	1.21	2.26	3.18	5.64	8.74	8.22	11.22	15.27	DRY	DRY	DRY	NORM	WET	2006
2007	1.28	1.92	2.92	1.84	0.63	2.99	1.43	13.88	13.28	8.49	12.07	10.90	NORM	NORM	DRY	NORM	NORM	2007
2008	1.31	1.73	1.56	4.59	4.81	1.31	2.94	9.45	18.62	25.17	18.14	16.25	NORM	NORM	WET	NORM	WET	2008
2009	1.17	1.46	0.52	6.11	3.98	3.57	3.86	5.65	20.83	24.68	24.78	22.70	DRY	NORM	WET	WET	WET	2009
2010	1.04	1.26	5.51	2.81	1.02	1.61	4.65	20.09	20.71	14.19	9.68	18.19	WET	NORM	NORM	NORM	WET	2010
2011	1.48	2.85	2.92	6.30	6.19	1.73	1.28	15.94	27.59	34.09	23.87	13.49	NORM	WET	WET	WET	NORM	2011
2012	0.12	4.47	3.17	1.25	1.61	1.92	0.00	18.57	14.56	10.50	10.23	5.45	WET	NORM	DRY	NORM	DRY	2012
2013	0.26	1.97	3.80	1.94	2.09	0.58	1.93	15.60	15.39	13.95	7.86	9.04	NORM	NORM	NORM	DRY	NORM	2013
2014	0.52	2.07	2.36	7.03	0.15	6.28	0.46	11.74	27.88	16.87	26.17	14.09	NORM	WET	NORM	WET	NORM	2014
2015	0.19	0.28	8.19	3.20	2.91	2.79	0.92	25.32	26.26	23.32	17.39	11.25	WET	WET	WET	NORM	NORM	2015
2016	0.47	3.09	2.71	3.47	2.09	1.95	1.12	14.78	18.92	15.92	13.50	9.35	NORM	NORM	NORM	NORM	NORM	2016
2017	0.50	1.23	1.22	1.47	2.39	3.52	2.30	6.62	8.08	11.33	16.81	16.33	DRY	DRY	NORM	NORM	WET	2017
2018	1.15	0.99	0.92	2.68	2.74	0.98	2.72	5.89	10.87	14.50	11.10	12.86	DRY	NORM	NORM	NORM	NORM	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data
	Bound	N	Bound		
March	0.61	1.21	1.48		March 1.21
April	0.98	1.91	2.35		April 1.91
May	1.64	2.70	3.27		May 2.70
June	2.13	3.44	4.16		June 3.44
July	1.65	3.02	3.68		July 3.02
August	1.24	2.22	2.70		August 2.22
Sept.	0.61	1.64	1.98		Sept. 1.64
Jun-MAM	7.49	13.13	15.99		
Jul-JMA	10.65	17.63	21.37		
Aug-JJM	10.85	18.64	22.63		
Sep-AJJ	9.15	16.14	19.62		
Oct-SAJ	5.96	12.38	15.02		

NOTE:
Aberdeen WSO AP NWS Station (SD0020) was used for Mar 1984.

Rainfall Data
Iroquois
Station #SD4254
Kingsbury County, SD

Portion of the table to be used with the PrecipCategories tool.

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	Year
1938	1.47	5.78	3.29	1.28	2.99	0.63	2.95	22.90	16.20	14.82	9.15	13.10	WET	NORM	NORM	DRY	NORM	1938
1939	0.12	0.47	3.66	3.60	1.60	0.99	0.51	12.04	18.59	15.66	9.77	5.11	NORM	NORM	NORM	NORM	DRY	1939
1940	2.14	1.41	0.50	2.75	1.90	1.80	0.52	6.46	10.66	11.70	11.95	7.06	DRY	DRY	NORM	NORM	NORM	1940
1941	0.38	4.05	0.59	2.50	0.36	1.60	2.79	10.25	12.73	6.67	8.02	11.93	NORM	NORM	DRY	DRY	NORM	1941
1952	0.78	0.35	0.55	3.48	1.34	2.71	0.89	3.13	11.89	11.53	14.29	9.43	DRY	NORM	NORM	NORM	NORM	1952
1953	0.98	3.14	2.70	5.11	3.03	0.79	1.94	15.36	23.87	22.01	13.54	10.43	NORM	WET	NORM	NORM	NORM	1953
1956	1.42	1.98	1.47	1.24	4.36	6.54	1.39	9.79	8.64	17.03	29.58	21.61	NORM	DRY	NORM	WET	WET	1956
1957	0.56	1.83	5.10	4.10	1.96	1.68	1.43	19.52	24.33	19.18	13.06	9.61	WET	WET	NORM	NORM	NORM	1957
1958	0.77	1.55	2.93	2.49	3.29	0.09	0.87	12.66	14.88	17.78	9.34	6.08	NORM	NORM	NORM	DRY	DRY	1958
1964	1.14	2.41	1.71	1.91	1.97	2.13	1.20	11.09	11.56	11.44	12.24	9.83	NORM	NORM	NORM	NORM	NORM	1964
1965	1.04	2.82	4.74	4.09	1.28	1.83	4.33	20.90	24.57	16.76	12.14	17.93	WET	WET	NORM	NORM	WET	1965
1970	1.51	3.76	1.82	2.91	1.51	0.94	1.38	14.49	16.13	12.17	8.75	7.53	NORM	NORM	NORM	DRY	NORM	1970
1971	0.13	2.46	2.28	2.67	3.21	1.71	1.56	11.89	15.03	17.25	14.22	11.31	NORM	NORM	NORM	NORM	NORM	1971
1973	2.02	0.70	2.34	1.51	2.31	0.92	2.75	10.44	9.91	12.29	8.89	12.40	NORM	DRY	NORM	DRY	NORM	1973
1976	0.82	1.11	0.56	1.45	0.78	0.24	3.56	4.72	6.58	5.80	3.73	11.94	DRY	DRY	DRY	DRY	NORM	1976
1977	3.57	2.77	1.84	2.58	1.13	2.22	2.71	14.63	14.19	10.39	11.50	13.70	NORM	NORM	DRY	NORM	NORM	1977
1978	0.10	3.86	3.75	1.75	2.49	1.16	1.07	19.07	16.61	14.72	10.21	8.02	WET	NORM	NORM	NORM	NORM	1978
1979	2.12	2.71	2.48	2.69	2.89	1.13	0.19	14.98	15.74	16.53	11.86	5.72	NORM	NORM	NORM	NORM	DRY	1979
1980	0.63	1.23	1.04	5.55	1.84	3.75	0.41	6.21	19.96	17.66	20.48	10.57	DRY	NORM	NORM	WET	NORM	1980
1981	1.77	0.86	0.86	2.46	3.19	3.00	1.00	6.07	9.96	15.35	17.84	12.19	DRY	DRY	NORM	NORM	NORM	1981
1982	0.83	1.58	7.13	1.64	5.11	3.52	2.86	25.38	20.76	25.74	22.42	20.73	WET	NORM	WET	WET	WET	1982
1983	1.83	0.84	0.67	4.17	3.04	2.01	2.65	5.52	14.69	18.13	16.28	15.01	DRY	NORM	NORM	NORM	NORM	1983
1984	1.15	3.32	2.03	8.75	1.33	2.88	0.71	13.88	33.63	23.52	20.05	9.22	NORM	WET	WET	WET	NORM	1984
1985	3.86	1.86	2.03	2.36	1.72	3.63	4.87	13.67	13.00	11.91	16.69	23.59	NORM	NORM	NORM	NORM	WET	1985
1986	1.67	6.47	2.71	4.04	6.79	4.46	5.18	22.74	24.01	31.16	31.00	31.25	WET	WET	WET	WET	WET	1986
1987	4.52	0.71	1.20	1.73	4.51	2.15	1.60	9.54	8.30	18.19	17.20	13.61	NORM	DRY	NORM	NORM	NORM	1987
1988	2.05	1.88	3.02	2.27	1.69	3.08	3.09	14.87	14.73	12.63	14.89	17.12	NORM	NORM	NORM	NORM	WET	1988
1989	1.78	2.75	2.58	3.69	1.47	2.77	1.47	15.02	18.98	14.37	14.94	11.42	NORM	NORM	NORM	NORM	NORM	1989
1990	1.00	0.91	4.33	7.88	4.05	0.82	0.29	15.81	33.21	32.24	18.44	6.56	NORM	WET	WET	NORM	DRY	1990
1991	0.81	3.26	4.92	6.72	2.35	2.50	1.81	22.09	33.26	25.41	18.92	12.78	WET	WET	WET	NORM	NORM	1991
1992	1.45	2.17	0.67	2.51	4.27	1.97	2.78	7.80	11.04	18.50	16.96	16.55	DRY	DRY	NORM	NORM	WET	1992
1993	1.48	2.40	3.17	7.45	4.58	0.81	1.70	15.79	31.09	31.81	19.04	11.30	NORM	WET	WET	NORM	NORM	1993
1994	0.28	2.94	0.91	3.34	2.60	2.80	2.25	8.89	14.78	15.39	16.94	14.95	NORM	NORM	NORM	NORM	NORM	1994
1995	3.31	5.12	4.22	1.39	5.45	1.71	2.12	26.21	17.73	23.35	17.42	15.23	WET	NORM	WET	NORM	NORM	1995
1996	0.55	0.52	3.96	1.80	2.15	0.90	3.73	13.47	13.84	14.01	8.80	15.14	NORM	NORM	NORM	DRY	NORM	1996
1997	0.26	2.50	2.45	1.92	5.50	0.64	4.95	12.61	13.16	22.79	14.84	21.63	NORM	NORM	NORM	NORM	WET	1997
1998	1.50	1.66	1.89	3.63	1.77	1.80	0.00	10.49	16.33	14.46	12.57	5.37	NORM	NORM	NORM	NORM	DRY	1998
1999	0.25	1.48	1.10	4.09	3.37	1.74	2.10	6.51	15.95	19.39	16.05	13.15	DRY	NORM	NORM	NORM	NORM	1999
2000	0.33	2.33	4.20	2.98	4.50	1.79	0.37	17.59	19.67	23.66	17.35	9.19	NORM	NORM	WET	NORM	NORM	2000
2001	0.63	6.40	2.05	4.91	1.67	1.36	1.58	19.58	25.23	16.88	12.33	9.13	WET	WET	NORM	NORM	NORM	2001
2002	1.40	1.36	1.99	1.88	1.85	5.01	1.28	10.09	10.98	11.30	20.61	15.71	NORM	DRY	DRY	WET	NORM	2002
2003	0.43	2.14	2.51	4.58	1.49	1.17	1.30	12.24	20.90	16.14	11.07	7.73	NORM	NORM	NORM	NORM	NORM	2003
2004	2.34	1.77	6.59	2.82	3.63	2.57	4.58	25.65	23.41	23.12	17.79	22.51	WET	WET	WET	NORM	WET	2004
2005	0.12	0.52	1.66	3.62	2.32	1.63	8.27	6.14	14.70	15.86	13.15	30.39	DRY	NORM	NORM	NORM	WET	2005
2006	0.95	1.73	0.98	1.30	0.60	5.68	4.61	7.35	7.59	5.38	19.54	25.79	DRY	DRY	DRY	WET	WET	2006
2007	2.63	3.77	6.71	2.55	0.89	4.60	2.29	30.30	24.84	14.48	18.13	16.96	WET	WET	NORM	NORM	WET	2007
2008	0.85	2.25	2.01	3.10	1.81	1.50	2.24	11.38	15.57	13.64	11.22	11.53	NORM	NORM	NORM	NORM	NORM	2008
2009	1.15	1.30	3.23	3.92	4.19	2.05	2.16	13.44	19.52	23.64	18.45	14.77	NORM	NORM	WET	NORM	NORM	2009
2010	1.79	1.59	3.12	9.65	6.88	2.38	2.75	14.33	36.78	43.06	30.55	19.89	NORM	WET	WET	WET	WET	2010
2011	0.98	3.12	3.44	3.73	5.31	2.24	0.22	17.54	21.19	26.83	21.07	10.45	NORM	NORM	WET	WET	NORM	2011
2012	0.52	4.18	3.05	2.98	1.17	2.98	0.61	18.03	19.22	12.52	14.26	8.96	WET	NORM	NORM	NORM	NORM	2012
2013	0.91	2.67	6.01	3.80	1.14	1.53	1.76	24.28	26.09	17.03	10.67	9.48	WET	WET	NORM	NORM	NORM	2013
2014	0.87	1.33	1.34	4.27	2.53	2.94	0.68	7.55	16.82	17.47	18.15	10.45	DRY	NORM	NORM	NORM	NORM	2014
2015	0.15	0.53	2.70	4.41	3.89	5.19	2.21	9.31	19.16	23.19	27.76	20.90	NORM	NORM	WET	WET	WET	2015
2016	1.26	2.44	2.35	1.58	2.28	6.43	1.23	13.19	11.88	12.35	25.43	18.83	NORM	NORM	NORM	WET	WET	2016
2017	1.06	1.75	2.48	1.91	6.51	5.35	4.33	12.00	12.44	25.83	30.98	30.20	NORM	NORM	WET	WET	WET	2017
2018	1.83	1.70	0.90	2.31	2.80	3.22	2.76	7.93	10.43	13.92	17.57	17.52	DRY	DRY	NORM	NORM	WET	2018

Month	30% Lower Bound	N	30% Upper Bound
March	0.66	1.44	1.77
April	1.40	2.24	2.70
May	1.57	2.87	3.50
June	2.19	3.36	4.03
July	1.79	3.13	3.81
August	1.28	2.08	2.52
Sept.	0.90	2.02	2.49
Jun-MAM	8.17	14.53	17.67
Jul-JMA	11.11	18.06	21.79
Aug-JJM	11.32	18.98	22.99
Sep-AJJ	9.61	15.86	19.21
Oct-SAJ	7.05	13.35	16.32

Normals are for 1971-2000 data

NOTE:
Huron AP NWS Station (SD4127) was used for Mar, May, Jun 1985; Aug 1998; Mar, Sep 1999.

Rainfall Data
Kennebec
Station #SD4516
Lyman County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1938	2.22	4.32	3.89	4.27	1.13	0.74	4.11	22.53	24.91	15.82	8.75	14.94	WET	WET	NORM	NORM	WET	1938
1963	1.00	2.03	2.59	3.32	3.15	0.97	2.92	12.83	17.17	18.68	12.53	13.85	NORM	NORM	NORM	NORM	WET	1963
1968	0.03	4.98	1.76	6.67	1.51	2.72	0.84	15.27	28.51	19.63	17.85	9.47	NORM	WET	NORM	WET	NORM	1968
1969	0.27	0.38	1.43	2.10	4.39	1.02	0.45	5.32	9.54	18.80	13.94	7.78	DRY	DRY	NORM	NORM	NORM	1969
1976	0.20	1.83	1.13	0.17	3.84	0.17	0.81	7.25	4.60	12.99	8.36	6.61	DRY	DRY	NORM	DRY	NORM	1976
1979	1.74	1.37	1.87	1.92	5.71	3.44	0.39	10.09	10.87	22.84	23.66	13.76	NORM	NORM	WET	WET	WET	1979
1980	0.53	0.40	0.66	3.36	1.05	4.15	0.17	3.31	11.80	10.53	17.91	9.86	DRY	NORM	DRY	WET	NORM	1980
1981	1.31	0.17	2.05	1.53	3.72	1.96	0.24	7.80	8.86	16.27	14.85	8.36	DRY	DRY	NORM	NORM	NORM	1981
1982	1.21	0.54	7.69	2.67	3.63	2.40	1.65	25.36	23.93	23.92	17.13	13.38	WET	WET	WET	NORM	NORM	1982
1983	1.83	0.87	2.81	4.13	1.04	0.89	1.75	12.00	18.88	14.19	8.88	8.07	NORM	NORM	NORM	NORM	NORM	1983
1984	0.92	4.56	2.10	4.01	3.19	2.12	0.88	16.34	20.79	19.69	16.75	10.07	NORM	WET	NORM	NORM	NORM	1984
1985	1.38	0.75	1.83	3.20	3.55	2.30	2.76	8.37	14.01	18.88	17.20	16.43	NORM	NORM	NORM	NORM	WET	1985
1986	1.32	4.58	6.27	2.26	1.99	1.65	2.75	29.29	23.90	16.76	11.19	13.54	WET	WET	NORM	NORM	WET	1986
1987	3.77	0.65	2.21	1.84	1.54	2.19	0.48	11.70	10.59	10.51	11.49	7.36	NORM	NORM	DRY	NORM	NORM	1987
1988	0.98	1.52	4.21	2.64	0.98	0.55	1.33	16.65	17.86	12.43	6.25	6.07	NORM	NORM	NORM	DRY	NORM	1988
1989	0.85	1.43	0.63	0.71	2.46	0.89	3.41	5.60	4.82	9.43	8.30	14.47	DRY	DRY	DRY	DRY	WET	1989
1990	1.71	2.00	4.26	3.81	2.48	2.41	1.12	18.49	21.95	19.32	16.00	10.66	WET	WET	NORM	NORM	NORM	1990
1991	1.16	3.23	5.19	4.21	0.41	2.59	2.07	23.19	26.24	14.84	12.80	11.80	WET	WET	NORM	NORM	NORM	1991
1992	1.12	0.54	1.26	4.21	4.05	1.60	1.55	5.98	15.69	21.83	17.11	11.90	DRY	NORM	WET	NORM	NORM	1992
1993	1.93	3.69	2.85	5.90	3.74	0.77	1.51	17.86	27.09	25.87	15.69	9.81	WET	WET	WET	NORM	NORM	1993
1994	0.10	1.90	1.12	3.07	1.96	3.15	0.82	7.26	13.35	13.14	16.44	10.72	DRY	NORM	NORM	NORM	NORM	1994
1995	1.13	4.90	5.45	3.67	1.35	1.09	1.41	27.28	26.81	16.84	9.64	7.76	WET	WET	NORM	NORM	NORM	1995
1996	0.28	0.68	4.34	1.61	2.79	0.85	5.50	14.66	14.19	15.93	9.74	20.99	NORM	NORM	NORM	NORM	WET	1996
1997	0.10	3.04	3.54	5.39	5.86	1.35	1.26	16.80	26.29	31.90	21.16	12.34	NORM	WET	WET	WET	NORM	1997
1998	1.47	0.98	1.94	5.61	6.48	2.07	0.20	9.25	21.69	32.60	24.78	11.22	NORM	WET	WET	WET	NORM	1998
1999	0.59	3.29	6.79	2.86	1.18	6.31	2.73	27.54	25.45	16.05	24.15	21.99	WET	WET	NORM	WET	WET	1999
2000	0.38	1.64	1.72	2.47	2.60	0.96	0.41	8.82	12.49	14.46	10.55	5.75	NORM	NORM	NORM	NORM	DRY	2000
2001	0.19	6.18	3.24	2.42	3.04	0.41	2.82	22.27	19.92	17.20	9.73	12.32	WET	NORM	NORM	NORM	NORM	2001
2002	0.93	1.13	1.34	0.76	0.98	3.10	2.14	7.21	6.09	5.80	12.02	13.60	DRY	DRY	DRY	NORM	WET	2002
2003	0.34	4.27	2.22	4.49	2.38	0.90	0.95	15.54	22.18	18.34	11.95	7.03	NORM	WET	NORM	NORM	NORM	2003
2004	3.13	0.16	2.60	4.52	1.83	1.58	3.98	11.25	18.92	17.13	12.92	16.93	NORM	NORM	NORM	NORM	WET	2004
2005	1.00	4.34	4.54	4.67	0.46	1.61	1.23	23.30	27.43	15.26	10.42	7.37	WET	WET	NORM	NORM	NORM	2005
2006	1.30	1.20	0.26	1.16	0.99	3.81	2.26	4.48	5.20	5.55	14.57	15.39	DRY	DRY	DRY	NORM	WET	2006
2007	4.29	1.30	4.72	2.50	0.12	3.80	0.80	21.05	18.24	10.08	14.14	10.12	WET	NORM	DRY	NORM	NORM	2007
2008	0.84	1.23	4.30	4.68	2.07	0.98	1.84	16.20	23.87	19.87	11.76	9.55	NORM	WET	NORM	NORM	NORM	2008
2009	1.02	1.54	0.74	5.18	3.43	2.54	0.41	6.32	18.56	21.39	19.66	9.74	DRY	NORM	WET	WET	NORM	2009
2010	1.20	2.52	3.23	6.01	4.44	1.15	2.82	15.93	27.01	28.57	18.34	15.20	NORM	WET	WET	WET	WET	2010
2011	0.64	1.93	3.77	5.05	2.09	3.73	0.29	15.81	24.62	20.14	20.42	10.42	NORM	WET	NORM	WET	NORM	2011
2012	0.17	3.46	2.96	1.90	1.45	0.59	0.17	15.97	15.08	11.11	6.57	3.14	NORM	NORM	NORM	DRY	DRY	2012
2013	0.78	2.51	4.27	2.30	5.03	4.15	1.35	18.61	17.95	23.96	24.81	17.38	WET	NORM	WET	WET	WET	2013
2014	0.38	2.91	3.64	3.03	0.24	2.28	0.82	17.12	19.28	10.42	10.35	7.26	NORM	NORM	DRY	NORM	NORM	2014
2015	0.29	0.34	3.03	3.41	2.47	2.85	2.11	10.06	16.63	17.26	16.90	14.50	NORM	NORM	NORM	NORM	WET	2015
2016	0.34	4.24	1.48	2.32	3.30	2.51	1.51	13.26	14.16	16.02	16.45	12.85	NORM	NORM	NORM	NORM	NORM	2016
2017	0.34	1.96	1.52	1.10	2.79	4.06	2.71	8.82	8.30	12.09	18.86	19.04	NORM	DRY	NORM	WET	WET	2017
2018	1.14	1.70	3.74	4.45	6.05	2.26	2.26	15.76	22.53	30.79	23.33	17.35	NORM	WET	WET	WET	WET	2018

30% Lower		30% Upper		Normals are for 1971-2000 data	
Month	Bound	N	Bound	Month	
March	0.52	1.24	1.52	March	1.24
April	1.06	2.06	2.52	April	2.06
May	1.78	3.02	3.67	May	3.02
June	1.84	2.98	3.61	June	2.98
July	1.71	2.78	3.36	July	2.78
August	1.12	2.02	2.46	August	2.02
Sept.	0.65	1.43	1.75	Sept.	1.43
Jun-MAM	7.98	14.42	17.57		
Jul-JMA	10.14	17.04	20.69		
Aug-JJM	10.59	17.32	20.97		
Sep-AJJ	8.62	14.60	17.71		
Oct-SAJ	5.90	11.11	13.53		

Rainfall Data
 Kirley 6 N
 Station #SD4596
 Haakon County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1949	0.01	1.62	0.95	1.31	1.95	0.70	0.00	6.10	7.45	9.42	7.31	3.35	DRY	DRY	DRY	DRY	DRY	1949
1968	0.66	3.86	1.92	6.40	1.37	3.24	0.74	14.14	26.90	18.83	18.86	10.07	NORM	WET	NORM	WET	NORM	1968
1969	0.45	0.81	1.05	3.32	3.83	0.02	0.41	5.22	12.87	19.18	11.04	5.10	DRY	NORM	NORM	NORM	NORM	1969
1970	0.84	4.42	2.40	2.47	2.23	0.98	2.43	16.88	16.63	14.03	9.87	11.48	NORM	NORM	NORM	NORM	NORM	1970
1980	0.60	0.68	0.43	3.25	1.90	2.10	0.69	3.25	11.29	12.63	13.35	8.17	DRY	NORM	NORM	NORM	NORM	1980
1981	0.38	0.07	4.33	2.23	4.18	2.10	0.93	13.51	15.42	21.33	16.89	11.17	NORM	NORM	WET	WET	NORM	1981
1982	2.49	0.61	6.37	2.04	4.54	2.88	1.41	22.82	19.47	24.07	19.76	14.53	WET	NORM	WET	WET	WET	1982
1983	1.42	1.27	3.32	4.87	1.08	2.27	0.83	13.92	22.52	16.30	13.84	8.11	NORM	WET	NORM	NORM	NORM	1983
1984	1.02	1.95	2.31	6.95	1.94	1.88	0.72	11.85	27.42	22.03	16.47	7.86	NORM	WET	WET	WET	NORM	1984
1985	1.51	0.45	0.97	1.55	1.58	2.71	1.22	5.32	7.04	8.81	12.84	10.66	DRY	DRY	DRY	NORM	NORM	1985
1986	1.51	5.93	3.89	3.94	3.70	0.48	3.33	25.04	25.53	22.87	12.78	14.65	WET	WET	WET	NORM	WET	1986
1987	4.25	0.07	4.05	1.96	2.48	3.14	0.42	16.54	14.05	15.41	16.34	10.02	NORM	NORM	NORM	WET	NORM	1987
1988	0.43	0.86	2.86	1.73	1.86	1.74	1.24	10.73	11.77	11.90	10.67	9.06	NORM	NORM	NORM	NORM	NORM	1988
1989	1.79	2.58	0.85	1.10	1.44	0.35	3.47	9.50	7.58	7.37	5.03	12.55	NORM	DRY	DRY	DRY	WET	1989
1990	0.70	1.22	1.46	2.13	1.16	1.72	0.62	7.52	10.53	9.20	9.61	6.46	DRY	DRY	DRY	NORM	NORM	1990
1991	1.21	3.01	4.71	2.92	2.43	1.00	0.38	21.36	21.19	17.84	10.78	5.57	WET	WET	NORM	NORM	NORM	1991
1992	0.95	0.19	1.38	2.80	6.29	2.59	0.65	5.47	11.35	25.85	23.15	13.42	DRY	NORM	WET	WET	WET	1992
1993	1.82	2.35	4.53	3.49	5.26	0.76	1.85	20.11	21.88	27.29	16.29	12.33	WET	WET	WET	WET	WET	1993
1994	0.26	1.71	0.93	4.88	2.10	0.92	0.38	6.47	18.21	16.99	11.84	5.08	DRY	NORM	NORM	NORM	NORM	1994
1995	1.28	3.02	5.37	5.24	1.55	0.10	1.06	23.43	29.48	20.50	8.64	4.93	WET	WET	WET	NORM	NORM	1995
1996	0.81	1.09	6.35	1.41	1.96	1.01	4.63	22.04	18.02	15.05	8.36	17.87	WET	NORM	NORM	NORM	WET	1996
1997	0.37	3.01	4.31	1.16	3.45	3.05	0.79	19.32	15.11	16.98	17.21	11.92	WET	NORM	NORM	WET	NORM	1997
1998	2.24	0.65	1.95	4.33	2.48	1.85	0.47	9.39	17.54	18.05	14.84	7.59	NORM	NORM	NORM	NORM	NORM	1998
1999	0.46	3.73	2.25	2.65	3.24	2.78	2.27	14.67	16.18	17.27	17.47	15.61	NORM	NORM	NORM	WET	WET	1999
2000	2.22	5.13	2.99	2.40	1.63	0.09	0.35	21.45	18.31	12.68	5.93	2.86	WET	NORM	NORM	DRY	DRY	2000
2001	0.13	2.18	2.65	1.69	8.45	0.12	0.75	12.44	12.55	31.38	18.95	10.94	NORM	NORM	WET	WET	NORM	2001
2002	1.46	0.75	1.17	1.17	3.20	1.54	1.59	6.47	6.60	13.11	12.19	11.05	DRY	DRY	NORM	NORM	NORM	2002
2003	0.85	2.89	2.26	2.77	0.74	0.19	0.92	13.41	15.72	10.02	4.82	3.88	NORM	NORM	DRY	DRY	DRY	2003
2004	1.18	0.25	3.55	3.70	2.81	2.60	4.22	12.33	18.45	19.38	17.12	20.67	NORM	NORM	NORM	WET	WET	2004
2005	1.08	1.94	4.4	1.93	1.42	0.93	0.58	18.16	16.53	12.52	7.56	5.02	WET	NORM	NORM	NORM	NORM	2005
2006	2.00	1.61	0.37	1.42	0.37	2.25	3.07	6.33	6.61	4.32	8.91	14.08	DRY	DRY	DRY	NORM	WET	2006
2007	2.03	0.91	1.75	3.66	0.69	1.74	0.49	9.10	15.39	11.14	10.26	5.64	NORM	NORM	NORM	NORM	NORM	2007
2008	0.97	0.98	4.92	8.01	4.09	1.04	2.36	17.69	34.85	33.21	19.31	13.25	WET	WET	WET	WET	WET	2008
2009	2.06	0.72	0.60	2.75	4.58	3.39	0.02	5.30	10.17	19.84	22.08	11.42	DRY	DRY	NORM	WET	NORM	2009
2010	1.74	1.68	3.34	3.48	2.42	0.51	3.95	15.12	18.80	17.56	9.85	15.29	NORM	NORM	NORM	NORM	WET	2010
2011	0.83	2.15	2.96	6.45	1.02	3.46	0.62	14.01	27.42	18.92	18.87	9.80	NORM	WET	NORM	WET	NORM	2011
2012	0.04	1.95	1.63	3.51	1.26	0.63	0.00	8.83	15.74	12.43	7.92	2.52	NORM	NORM	NORM	NORM	DRY	2012
2013	0.29	2.43	7.90	1.85	2.24	4.66	1.79	28.85	23.78	18.32	20.31	16.93	WET	WET	NORM	WET	WET	2013
2014	0.69	2.41	2.70	7.12	1.41	3.80	0.99	13.61	29.17	21.17	21.34	11.98	NORM	WET	WET	WET	NORM	2014
2015	0.07	0.27	5.95	3.73	0.87	2.23	0.95	18.46	23.36	16.02	12.16	8.18	WET	WET	NORM	NORM	NORM	2015
2016	1.30	5.31	0.34	1.45	2.80	1.39	0.70	12.94	10.34	11.64	11.22	7.68	NORM	DRY	NORM	NORM	NORM	2016
2017	1.02	2.10	1.81	1.27	0.31	4.72	0.72	10.65	9.53	5.28	16.05	11.91	NORM	DRY	DRY	NORM	NORM	2017
2018	1.37	2.37	2.67	5.81	0.34	0.64	1.36	14.12	25.14	15.31	8.41	5.70	NORM	WET	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.65	1.38	1.68	March	1.38
April	0.83	1.91	2.32	April	1.91
May	1.96	3.10	3.74	May	3.10
June	2.00	2.87	3.41	June	2.87
July	1.51	2.63	3.20	July	2.63
August	0.82	1.71	2.09	August	1.71
Sept.	0.53	1.35	1.64	Sept.	1.35
Jun-MAM	8.19	14.50	17.54		
Jul-JMA	10.75	16.72	20.03		
Aug-JJM	10.49	16.73	20.16		
Sep-AJJ	7.48	13.26	16.08		
Oct-SAJ	4.74	10.10	12.30		

NOTE:

Eagle Butte NWS Station (SD2468) was used for Sep 2011; May 2012.

Milesville 5 NE NWS Station (SD5544) was used for 1949; Sep 2016; Mar 2017.

Rainfall Data
Lake Sharpe Project
Station #SD4766
Buffalo County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	Year
1938	1.38	5.82	4.31	2.23	1.47	0.59	1.78	25.95	21.13	13.18	6.94	7.99	WET	WET	NORM	DRY	NORM	1938
1949	1.76	1.74	2.25	1.66	1.03	2.49	1.70	11.99	11.22	8.66	11.19	11.11	NORM	NORM	DRY	NORM	NORM	1949
1955	0.18	1.45	2.44	1.86	1.10	1.50	1.05	10.4	11.91	9.46	8.56	7.25	NORM	NORM	DRY	DRY	NORM	1955
1963	0.65	1.38	1.89	2.56	5.28	1.82	1.87	9.08	12.84	22.85	18.58	14.53	NORM	NORM	WET	WET	NORM	1963
1968	0.00	4.98	1.96	4.55	1.83	3.52	3.61	15.84	22.55	16.55	18.77	19.7	NORM	WET	NORM	WET	WET	1968
1969	0.47	0.05	1.95	1.75	2.72	1.36	1.79	6.42	9.2	13.61	11.27	10.81	DRY	DRY	NORM	NORM	NORM	1969
1976	0.10	1.05	0.79	0.97	0.66	0.50	1.34	4.57	5.54	4.71	3.79	5.68	DRY	DRY	DRY	DRY	DRY	1976
1977	3.20	2.22	2.92	3.67	2.05	3.07	3.14	16.4	19.07	16.41	16.98	17.61	WET	NORM	NORM	NORM	WET	1977
1979	0.08	1.43	1.58	2.26	4.55	2.80	0.02	7.68	11.37	19.75	19.76	10.21	NORM	NORM	NORM	WET	NORM	1979
1980	0.97	0.18	1.30	4.74	1.70	3.75	0.36	5.23	17.00	15.88	19.39	10.28	DRY	NORM	NORM	WET	NORM	1980
1981	2.41	0.48	1.87	2.27	4.69	1.55	0.53	8.98	11.03	20.48	16.30	9.38	NORM	NORM	NORM	NORM	NORM	1981
1982	1.92	0.20	7.05	2.20	3.27	3.20	1.55	23.47	20.90	21.26	18.34	14.32	WET	WET	WET	NORM	NORM	1982
1983	0.52	0.33	2.76	4.92	2.28	2.40	1.25	9.46	20.61	19.44	16.68	10.83	NORM	NORM	NORM	NORM	NORM	1983
1984	1.03	3.09	1.68	3.78	1.30	4.03	0.76	12.25	17.79	13.14	18.47	11.64	NORM	NORM	NORM	NORM	NORM	1984
1985	1.96	0.31	1.86	3.72	1.39	4.06	2.27	8.16	15.19	13.47	18.68	16.32	NORM	NORM	NORM	WET	WET	1985
1986	0.99	3.79	1.36	1.67	0.92	1.00	6.16	12.65	11.52	7.46	6.51	21.40	NORM	NORM	DRY	DRY	WET	1986
1987	3.90	0.41	1.25	1.82	1.67	2.22	1.16	8.47	8.37	9.90	11.82	9.59	NORM	DRY	DRY	NORM	NORM	1987
1988	0.51	1.81	3.67	0.64	2.19	0.79	1.92	15.14	11.07	11.52	7.39	9.53	NORM	NORM	NORM	DRY	NORM	1988
1989	0.72	1.38	0.42	0.90	2.72	0.69	2.97	4.74	4.92	10.38	8.41	13.01	DRY	DRY	DRY	DRY	NORM	1989
1990	1.54	1.95	2.93	4.59	1.88	3.42	0.94	14.23	21.58	17.75	18.61	11.54	NORM	WET	NORM	WET	NORM	1990
1991	0.89	3.36	6.14	5.09	1.08	2.72	1.34	26.03	30.91	19.56	15.41	10.54	WET	WET	NORM	NORM	NORM	1991
1992	1.15	0.40	0.47	2.13	5.79	2.50	2.11	3.36	7.73	22.10	21.21	17.12	DRY	DRY	WET	WET	WET	1992
1993	1.23	2.80	3.71	5.42	6.07	0.87	1.59	17.96	26.48	32.76	20.17	12.58	WET	WET	WET	WET	NORM	1993
1994	0.00	1.45	0.71	3.60	2.63	1.53	0.83	5.03	13.67	15.80	13.45	8.18	DRY	NORM	NORM	NORM	NORM	1994
1995	0.67	4.83	5.60	3.18	2.44	3.49	2.69	27.13	25.57	19.28	18.53	17.49	WET	WET	NORM	NORM	WET	1995
1996	0.41	0.70	4.00	0.97	3.72	0.87	3.74	13.81	11.61	17.10	11.02	16.68	NORM	NORM	NORM	NORM	WET	1996
1997	0.06	1.76	3.14	7.08	4.44	2.17	2.01	13.00	29.28	30.62	22.47	14.81	NORM	WET	WET	WET	WET	1997
1998	1.23	2.42	3.05	7.28	3.03	2.38	0.20	15.22	30.36	26.70	20.48	8.39	NORM	WET	WET	WET	NORM	1998
1999	0.62	2.98	6.62	3.90	2.37	7.60	2.32	26.44	27.92	21.53	31.44	24.53	WET	WET	WET	WET	WET	1999
2000	0.28	1.15	2.23	2.96	2.68	1.69	1.10	9.27	14.49	16.19	13.39	9.36	NORM	NORM	NORM	NORM	NORM	2000
2001	0.70	4.98	3.25	2.82	1.94	0.02	2.55	20.41	19.94	14.71	6.76	9.63	WET	NORM	NORM	DRY	NORM	2001
2002	0.56	0.95	1.20	0.88	0.98	2.42	1.98	6.06	5.99	5.90	10.10	11.76	DRY	DRY	DRY	NORM	NORM	2002
2003	0.37	2.24	2.56	4.00	1.20	3.02	1.96	12.53	19.36	14.16	15.46	13.12	NORM	NORM	NORM	NORM	NORM	2003
2004	2.34	0.35	2.54	3.58	4.66	4.47	4.71	10.66	16.17	23.68	26.31	27.73	NORM	NORM	WET	WET	WET	2004
2005	0.64	1.61	4.51	5.17	0.47	1.22	2.88	17.39	26.14	16.26	9.77	11.55	WET	WET	NORM	NORM	NORM	2005
2006	1.09	0.64	0.58	2.52	0.88	3.80	2.44	4.11	9.36	8.26	15.68	15.80	DRY	DRY	DRY	NORM	WET	2006
2007	2.45	1.34	4.96	2.83	0.28	3.03	1.07	20.01	19.75	11.46	12.48	9.55	WET	NORM	NORM	NORM	NORM	2007
2008	0.98	1.06	3.88	6.47	2.95	0.92	2.70	14.74	28.23	25.67	15.13	12.89	NORM	WET	WET	NORM	NORM	2008
2009	1.72	1.06	0.58	4.68	2.51	5.48	0.32	5.58	16.26	17.47	26.14	14.43	DRY	NORM	NORM	WET	NORM	2009
2010	1.08	2.33	4.26	6.54	4.83	2.29	3.19	18.52	30.47	31.83	23.07	18.98	WET	WET	WET	WET	WET	2010
2011	0.20	0.00	1.53	0.56	2.39	2.45	0.66	4.79	4.74	9.82	12.69	9.27	DRY	DRY	DRY	NORM	NORM	2011
2012	0.20	3.61	2.85	1.55	2.39	0.49	0.06	15.97	13.96	13.12	7.80	3.55	NORM	NORM	NORM	DRY	DRY	2012
2013	0.50	1.53	4.91	4.11	3.41	1.73	0.80	18.29	23.68	23.36	16.12	9.27	WET	WET	WET	NORM	NORM	2013
2014	0.14	2.12	0.52	3.95	0.52	3.90	1.59	5.94	15.01	9.98	16.69	13.09	DRY	NORM	DRY	NORM	NORM	2014
2015	0.16	0.30	3.80	3.48	4.39	2.52	0.94	12.16	18.34	23.93	19.82	12.25	NORM	NORM	WET	WET	NORM	2015
2016	1.40	4.75	3.37	1.38	1.51	0.00	0.89	21.01	15.63	10.66	4.40	4.18	WET	NORM	DRY	DRY	DRY	2016
2017	0.31	1.20	0.94	2.60	1.35	2.21	3.45	5.53	10.88	10.19	11.93	16.12	DRY	NORM	DRY	NORM	WET	2017
2018	1.06	1.05	2.62	6.13	1.74	1.07	1.97	11.02	24.68	20.10	12.82	9.79	NORM	WET	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.39	1.04	1.27	March	1.04
April	0.91	1.83	2.24	April	1.83
May	1.65	2.90	3.54	May	2.90
June	1.95	3.14	3.80	June	3.14
July	1.85	2.72	3.24	July	2.72
August	1.32	2.26	2.75	August	2.26
Sept.	0.70	1.65	2.01	Sept.	1.65
Jun-MAM	7.16	13.40	16.37		
Jul-JMA	10.06	17.05	20.72		
Aug-JJM	11.10	17.34	20.86		
Sep-AJJ	9.61	15.36	18.53		
Oct-SAJ	6.59	12.19	14.77		

NOTE:
Stephan 2 NW NWS Station (SD7992) was used for 1963; Mar 1969; Sep 1977; Jul 1984; Sep 1984; Apr 1987; Sep 1990; Sep 2001.

Gann Valley 4 NW NWS Station (SD3217) was used for 1938; and 1955.
Kennebec NWS Station (SD4516) was used for 1949.
Gann Valley NWS (SD3211) was used for Aug 2017; Apr 2018.

Rainfall Data
Lead
Station #SD4834
Lawrence County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	1.42	2.15	3.06	2.66	1.29	2.74	1.16	14.90	16.25	12.25	13.46	10.25	DRY	NORM	DRY	NORM	NORM	1980
1981	0.18	0.62	6.36	2.36	4.40	1.24	1.51	20.50	20.42	24.28	14.88	11.41	NORM	NORM	WET	NORM	NORM	1981
1982	2.48	2.42	12.26	3.02	3.31	2.58	2.63	44.10	36.00	28.23	17.38	16.36	WET	WET	WET	NORM	WET	1982
1983	3.11	3.03	4.02	1.34	1.64	4.83	0.82	21.23	15.09	11.62	19.11	13.76	NORM	NORM	DRY	WET	NORM	1983
1984	2.76	6.62	2.25	5.78	2.38	1.65	0.97	22.75	28.46	20.95	15.49	8.59	NORM	NORM	NORM	NORM	NORM	1984
1985	2.56	1.57	3.05	2.44	0.74	0.29	2.61	14.85	14.99	10.15	4.79	9.15	DRY	NORM	DRY	DRY	NORM	1985
1986	1.12	6.90	2.33	4.98	2.57	0.54	4.38	21.91	26.50	20.00	11.74	16.79	NORM	NORM	NORM	NORM	WET	1986
1987	4.38	1.10	4.80	1.03	1.07	4.49	1.37	20.98	13.79	10.07	16.64	14.16	NORM	DRY	DRY	NORM	NORM	1987
1988	5.46	1.00	3.97	2.61	0.80	1.48	2.79	19.37	16.77	11.59	8.65	12.13	NORM	NORM	DRY	DRY	NORM	1988
1989	2.14	5.98	3.09	3.16	2.98	1.63	2.20	23.37	21.64	18.35	14.01	12.84	NORM	NORM	NORM	NORM	NORM	1989
1990	1.97	3.30	3.52	1.55	2.78	0.55	1.25	19.13	14.99	14.96	8.76	7.63	NORM	NORM	NORM	DRY	NORM	1990
1991	1.86	3.91	5.39	2.62	1.63	0.62	0.61	25.85	22.55	15.52	7.74	4.70	NORM	NORM	NORM	DRY	DRY	1991
1992	2.38	4.31	2.74	3.11	2.11	1.27	0.98	19.22	19.12	15.29	11.14	7.59	NORM	NORM	NORM	NORM	NORM	1992
1993	1.79	4.22	4.50	7.63	5.66	2.37	1.51	23.73	36.11	36.74	26.06	14.93	NORM	WET	WET	WET	WET	1993
1994	2.66	4.42	1.82	1.18	3.25	0.61	0.90	16.96	11.60	13.93	9.51	7.17	NORM	DRY	NORM	NORM	NORM	1994
1995	2.23	4.13	10.73	4.13	5.54	0.79	1.91	42.68	37.98	35.61	17.58	12.85	WET	WET	WET	NORM	NORM	1995
1996	4.00	2.61	6.12	1.95	1.99	4.04	2.85	27.58	20.70	15.99	18.05	18.62	NORM	NORM	NORM	NORM	WET	1996
1997	2.02	4.99	4.33	1.90	8.29	2.00	0.77	24.99	19.35	33.00	24.48	14.60	NORM	NORM	WET	WET	WET	1997
1998	2.50	1.17	1.77	9.95	3.37	5.56	2.57	10.15	34.56	31.78	33.37	22.20	DRY	WET	WET	WET	WET	1998
1999	1.58	4.45	3.79	7.48	1.79	3.36	1.11	21.85	34.47	24.12	21.14	11.84	NORM	WET	NORM	WET	NORM	1999
2000	2.91	5.42	4.16	3.93	2.38	0.73	1.59	26.23	25.53	19.16	10.88	8.61	NORM	NORM	NORM	NORM	NORM	2000
2001	2.59	2.32	3.35	3.37	4.25	1.31	0.92	17.28	19.13	22.84	15.80	9.63	NORM	NORM	NORM	NORM	NORM	2001
2002	2.15	2.67	2.36	0.65	0.62	2.24	5.40	14.57	9.34	5.52	8.61	21.30	DRY	DRY	DRY	DRY	WET	2002
2003	1.93	1.97	4.29	5.42	0.84	1.05	3.14	18.74	26.81	17.65	10.25	12.36	NORM	NORM	NORM	NORM	NORM	2003
2004	2.25	2.04	2.45	0.72	5.71	1.30	1.43	13.68	9.10	21.02	16.04	12.60	DRY	DRY	NORM	NORM	NORM	2004
2005	2.23	3.56	6.97	3.12	1.22	2.75	1.5	30.26	26.86	16.87	13.81	11.22	WET	NORM	NORM	NORM	NORM	2005
2006	2.57	9.00	4.01	0.82	1.01	1.96	6.77	32.60	19.48	8.68	8.72	25.24	WET	NORM	DRY	DRY	WET	2006
2007	2.84	1.96	6.27	6.42	2.65	2.98	0.79	25.57	33.76	27.06	20.66	10.98	NORM	WET	WET	WET	NORM	2007
2008	2.26	3.47	10.18	5.98	2.61	2.85	1.79	39.74	41.77	29.97	19.75	13.68	WET	WET	WET	WET	NORM	2008
2009	5.12	2.95	2.20	3.73	3.33	3.20	1.91	17.62	18.54	19.65	19.99	15.46	NORM	NORM	NORM	WET	WET	2009
2010	1.17	5.19	5.90	4.49	1.10	2.24	0.65	29.25	30.46	18.18	13.41	7.53	WET	WET	NORM	NORM	NORM	2010
2011	1.52	3.20	7.33	2.93	1.71	2.33	0.77	29.91	26.65	18.32	13.34	8.68	WET	NORM	NORM	NORM	NORM	2011
2012	0.39	3.60	2.87	1.47	3.38	2.27	0.00	16.20	13.75	15.95	15.04	7.92	NORM	DRY	NORM	NORM	NORM	2012
2013	1.87	4.19	12.23	2.67	3.42	2.91	3.70	46.94	36.66	27.83	18.24	20.34	WET	WET	WET	NORM	WET	2013
2014	3.15	4.40	3.29	5.63	1.30	3.78	4.12	21.82	27.87	18.45	19.57	21.22	NORM	NORM	NORM	WET	WET	2014
2015	0.52	2.72	9.18	6.23	3.93	4.23	1.16	33.50	39.77	33.43	26.78	15.87	WET	WET	WET	WET	WET	2015
2016	2.54	2.51	1.64	0.91	2.49	2.84	2.08	12.48	8.52	10.93	14.41	14.41	DRY	DRY	DRY	NORM	NORM	2016
2017	1.18	2.48	3.29	3.25	1.60	1.05	2.25	16.01	18.81	14.59	9.60	10.45	NORM	NORM	NORM	NORM	NORM	2017
2018	1.97	2.56	5.34	6.09	4.00	2.28	1.65	23.11	31.51	29.52	20.93	13.51	NORM	WET	WET	WET	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	1.53	2.62	3.18	March	2.62
April	2.44	3.78	4.55	April	3.78
May	2.87	4.30	5.14	May	4.30
June	2.27	3.79	4.59	June	3.79
July	1.66	2.73	3.30	July	2.73
August	1.07	2.07	2.53	August	2.07
Sept.	0.93	1.66	2.02	Sept.	1.66
Jun-MAM	15.02	23.08	27.70		
Jul-JMA	14.99	23.75	28.60		
Aug-JJM	12.39	20.07	24.22		
Sep-AJJ	8.80	15.46	18.78		
Oct-SAJ	6.59	11.85	14.42		

Rainfall Data
Lemmon
Station #SD4864
Perkins County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1978	0.50	2.61	3.20	5.82	4.07	0.59	1.41	15.32	26.47	27.05	15.73	9.48	NORM	WET	WET	NORM	NORM	1978
1980	0.62	0.50	0.49	2.09	0.48	2.87	0.46	3.09	7.75	6.11	11.66	7.60	DRY	DRY	DRY	NORM	NORM	1980
1981	0.08	0.43	2.26	2.90	3.68	3.61	2.35	7.72	13.65	19.10	21.09	17.95	NORM	NORM	NORM	WET	WET	1981
1982	3.06	1.47	6.24	3.01	1.87	0.81	1.23	24.72	22.98	17.87	9.18	7.18	WET	WET	NORM	NORM	NORM	1982
1983	0.96	1.46	3.42	3.24	3.27	2.34	1.07	14.14	18.02	19.71	16.80	11.16	NORM	NORM	NORM	NORM	NORM	1983
1984	0.74	3.35	0.32	5.91	1.22	4.51	1.44	8.40	21.72	15.80	21.88	14.56	NORM	WET	NORM	WET	WET	1984
1985	1.17	0.96	3.03	2.11	1.86	3.11	0.90	12.18	13.35	12.83	15.16	10.78	NORM	NORM	NORM	NORM	NORM	1985
1986	0.37	4.80	4.19	1.54	2.48	0.20	4.10	22.54	17.80	14.71	7.10	15.18	WET	NORM	NORM	DRY	WET	1986
1987	3.13	0.14	4.38	1.42	4.22	1.32	0.50	16.55	13.16	19.88	13.82	8.36	WET	NORM	NORM	NORM	NORM	1987
1988	1.15	0.12	3.86	4.18	0.45	0.84	0.90	12.97	20.38	13.57	7.60	4.83	NORM	WET	NORM	DRY	DRY	1988
1989	1.72	4.29	1.62	1.73	1.93	2.95	0.80	15.16	12.72	10.87	14.44	10.23	NORM	NORM	NORM	NORM	NORM	1989
1990	0.61	1.25	1.33	2.20	1.37	1.82	0.40	7.10	10.51	9.84	10.40	6.21	NORM	NORM	DRY	NORM	NORM	1990
1991	0.35	2.35	2.23	2.67	4.09	0.19	1.31	11.74	14.82	19.84	11.42	8.40	NORM	NORM	NORM	NORM	NORM	1991
1992	0.85	1.35	1.92	3.58	3.16	2.29	0.48	9.31	15.93	18.56	16.77	9.18	NORM	NORM	NORM	NORM	NORM	1992
1993	0.70	1.28	1.49	3.28	9.64	0.35	0.45	7.73	14.10	36.97	23.61	11.69	NORM	NORM	WET	WET	NORM	1993
1994	1.05	1.81	1.40	2.13	3.02	2.00	1.05	8.87	11.00	14.72	14.17	10.17	NORM	NORM	NORM	NORM	NORM	1994
1995	0.66	1.35	5.79	2.03	2.27	3.27	0.64	20.73	19.02	16.66	16.38	10.73	WET	NORM	NORM	NORM	NORM	1995
1996	0.79	0.48	3.89	1.30	0.78	1.35	4.69	13.42	12.16	8.83	6.91	17.55	NORM	NORM	DRY	DRY	WET	1996
1997	0.22	4.19	0.76	3.36	3.41	2.09	0.61	10.88	15.79	17.71	16.45	9.42	NORM	NORM	NORM	NORM	NORM	1997
1998	0.48	0.34	1.13	3.55	1.56	3.07	0.74	4.55	13.25	12.91	15.88	9.92	DRY	NORM	NORM	NORM	NORM	1998
1999	0.15	1.39	4.28	4.35	2.94	6.90	0.98	15.77	23.00	21.80	30.93	19.68	WET	WET	WET	WET	WET	1999
2000	0.83	2.56	2.37	3.61	2.57	0.18	0.57	13.06	18.13	17.30	9.29	4.64	NORM	NORM	NORM	NORM	DRY	2000
2001	1.10	1.05	2.25	3.06	7.53	0.52	1.72	9.95	14.73	30.96	19.68	13.73	NORM	NORM	WET	WET	WET	2001
2002	0.34	1.39	0.59	1.23	1.91	0.40	0.40	4.89	6.26	8.78	6.25	3.91	DRY	DRY	DRY	DRY	DRY	2002
2003	1.19	1.84	4.07	2.81	0.46	0.65	2.60	17.08	18.41	11.07	5.68	9.56	WET	NORM	NORM	DRY	NORM	2003
2004	0.16	0.49	1.15	1.61	3.38	1.15	1.62	4.59	7.62	14.51	11.82	10.54	DRY	DRY	NORM	NORM	NORM	2004
2005	0.8	1.29	6.09	3.6	1.47	2.55	0.83	21.65	24.27	17.70	14.19	9.06	WET	WET	NORM	NORM	NORM	2005
2006	1.31	2.18	0.84	1.45	0.79	2.03	2.86	8.19	8.21	6.11	9.12	13.43	NORM	DRY	DRY	NORM	WET	2006
2007	1.87	1.62	4.64	3.39	1.12	2.74	0.84	19.03	21.07	14.78	13.85	9.12	WET	WET	NORM	NORM	NORM	2007
2008	0.65	1.40	3.25	5.08	1.94	2.13	1.75	13.20	23.14	19.23	15.35	11.45	NORM	WET	NORM	NORM	NORM	2008
2009	1.87	0.88	2.01	3.13	6.57	1.78	0.70	9.66	14.29	27.98	21.61	12.23	NORM	NORM	WET	WET	NORM	2009
2010	0.51	1.91	4.00	4.88	5.66	3.04	3.43	16.33	24.55	30.74	25.32	22.03	WET	WET	WET	WET	WET	2010
2011	0.85	3.36	3.98	3.07	1.91	2.12	0.28	19.51	20.53	15.85	13.25	6.99	WET	WET	NORM	NORM	NORM	2011
2012	0.49	2.68	1.73	1.45	3.31	1.53	0.08	11.04	10.49	14.56	12.66	6.61	NORM	NORM	NORM	NORM	NORM	2012
2013	0.70	1.51	9.16	4.27	2.57	2.97	4.69	31.20	32.64	25.41	18.32	22.58	WET	WET	WET	WET	WET	2013
2014	0.74	1.95	1.49	5.13	0.58	5.87	0.98	9.11	20.32	13.49	23.90	15.26	NORM	WET	NORM	WET	WET	2014
2015	0.86	1.01	5.05	5.67	0.83	1.46	0.46	18.03	28.12	18.88	11.71	5.13	WET	WET	NORM	NORM	NORM	2015
2016	0.40	3.90	1.60	1.01	3.44	3.65	0.77	13.00	10.13	13.94	18.84	13.05	NORM	DRY	NORM	WET	WET	2016
2017	0.57	1.15	1.12	0.78	1.35	1.92	2.37	6.23	5.73	6.73	9.24	12.30	DRY	DRY	DRY	NORM	NORM	2017
2018	1.38	2.33	2.66	2.18	2.24	0.58	1.77	14.02	14.19	13.74	8.40	8.71	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.51	0.98	1.20	March	0.98
April	0.89	1.86	2.27	April	1.86
May	1.48	2.68	3.26	May	2.68
June	2.17	3.09	3.66	June	3.09
July	1.62	2.68	3.24	July	2.68
August	0.80	1.90	2.31	August	1.90
Sept.	0.62	1.35	1.64	Sept.	1.35
Jun-MAM	6.73	12.74	15.52		
Jul-JMA	10.36	16.49	19.77		
Aug-JJM	10.68	16.90	20.30		
Sep-AJJ	7.81	14.15	17.07		
Oct-SAJ	5.08	10.53	12.78		

NOTE:
Lemmon NWS Station (SD4864) has been replaced with Lemmon NWS Station (SD052) as of 2012.

Rainfall Data
 Leola
 Station #SD4891
 McPherson County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1952	0.64	0.50	0.88	4.09	0.47	1.07	0.23	4.28	14.53	10.47	8.24	3.30	DRY	NORM	NORM	NORM	DRY	1952
1957	0.15	4.12	5.80	4.08	1.64	3.84	2.50	25.79	27.96	18.88	18.88	16.82	WET	WET	NORM	WET	WET	1957
1965	0.73	2.79	4.99	1.38	2.34	2.37	2.46	21.28	16.91	14.77	13.17	14.46	WET	NORM	NORM	NORM	NORM	1965
1970	1.00	2.38	3.75	2.51	1.70	1.29	1.72	17.01	17.41	13.87	9.78	9.44	WET	NORM	NORM	NORM	NORM	1970
1973	2.41	1.74	1.16	0.79	1.74	0.70	3.18	9.37	6.43	7.96	6.37	12.68	NORM	DRY	DRY	DRY	NORM	1973
1974	0.41	2.50	5.75	0.20	3.50	1.09	0.21	22.66	14.60	16.65	10.47	6.31	WET	NORM	NORM	NORM	NORM	1974
1978	0.47	2.37	3.65	4.78	1.88	2.24	1.13	16.16	24.01	18.85	15.26	9.75	NORM	WET	NORM	NORM	NORM	1978
1979	0.84	2.18	1.45	4.16	3.23	0.63	0.81	9.55	17.56	19.46	12.51	6.92	NORM	NORM	NORM	NORM	NORM	1979
1980	1.01	0.90	1.91	1.33	1.68	4.79	0.73	8.54	8.71	9.61	19.06	13.45	NORM	DRY	DRY	WET	NORM	1980
1981	1.59	0.25	2.24	2.63	4.23	2.02	1.38	8.81	12.62	20.19	17.15	12.41	NORM	NORM	NORM	NORM	NORM	1981
1982	2.08	0.79	3.79	2.48	2.55	0.42	1.31	15.03	15.81	16.40	8.84	7.32	NORM	NORM	NORM	NORM	NORM	1982
1983	2.28	1.21	1.23	4.80	3.28	2.67	1.16	8.39	18.07	20.67	19.37	12.10	NORM	NORM	NORM	WET	NORM	1983
1984	2.08	2.89	1.72	5.30	2.20	0.27	0.57	13.02	22.23	18.92	10.51	4.45	NORM	WET	NORM	NORM	DRY	1984
1985	2.07	0.41	2.16	1.41	1.11	1.99	3.14	9.37	8.96	8.31	9.60	14.51	NORM	DRY	DRY	NORM	NORM	1985
1986	0.73	6.66	3.48	2.06	3.42	2.31	3.54	24.49	19.80	17.86	15.83	18.66	WET	NORM	NORM	NORM	WET	1986
1987	1.92	0.03	2.43	1.54	4.96	2.13	0.73	9.27	9.51	20.39	17.85	11.41	NORM	DRY	NORM	NORM	NORM	1987
1988	0.13	0.11	1.49	1.69	0.63	1.67	3.52	4.82	8.16	6.76	7.96	14.53	DRY	DRY	DRY	DRY	NORM	1988
1989	2.50	4.39	1.11	2.26	1.75	2.91	2.00	14.61	13.39	10.88	14.49	13.57	NORM	NORM	NORM	NORM	NORM	1989
1990	0.75	2.09	1.78	5.21	2.30	2.29	2.47	10.27	21.28	19.10	16.68	14.29	NORM	WET	NORM	NORM	NORM	1990
1991	0.82	3.48	5.57	6.10	0.57	0.94	1.64	24.49	32.92	19.48	10.06	7.37	WET	WET	NORM	NORM	NORM	1991
1992	0.96	0.51	1.92	4.72	2.29	1.86	0.82	7.74	18.51	18.23	14.88	8.47	NORM	NORM	NORM	NORM	NORM	1992
1993	0.16	1.00	2.96	4.46	9.16	5.61	1.17	11.04	20.30	39.36	39.61	23.89	NORM	NORM	WET	WET	WET	1993
1994	0.66	2.60	1.10	0.68	6.10	4.09	1.80	9.16	6.84	20.76	25.15	19.68	NORM	DRY	NORM	WET	WET	1994
1995	2.69	2.71	5.86	1.93	3.02	2.21	1.77	25.69	20.22	18.78	14.60	12.75	WET	NORM	NORM	NORM	NORM	1995
1996	1.45	0.39	3.30	1.83	0.72	0.98	7.04	12.13	12.48	9.12	6.21	23.80	NORM	NORM	DRY	DRY	WET	1996
1997	0.63	1.58	1.15	2.69	2.29	0.53	0.61	7.24	11.95	13.40	8.86	5.18	DRY	NORM	NORM	NORM	DRY	1997
1998	1.02	1.65	3.37	4.88	2.00	6.46	0.24	14.43	23.03	19.13	28.26	15.64	NORM	WET	NORM	WET	WET	1998
1999	0.99	2.87	4.72	4.47	4.47	3.55	3.96	20.89	25.72	27.07	24.06	23.45	WET	WET	WET	WET	WET	1999
2000	2.18	1.79	2.71	3.42	3.92	1.99	0.86	13.89	17.47	21.31	17.23	10.48	NORM	NORM	WET	NORM	NORM	2000
2001	0.11	3.27	2.22	2.60	4.91	0.16	1.48	13.31	15.51	22.15	12.90	9.67	NORM	NORM	WET	NORM	NORM	2001
2002	0.65	1.15	1.88	0.41	4.33	2.16	1.14	8.59	6.14	15.69	15.55	12.07	NORM	DRY	NORM	NORM	NORM	2002
2003	0.83	1.85	6.50	3.79	1.74	1.06	1.26	24.03	26.22	19.30	10.45	7.64	WET	WET	NORM	NORM	NORM	2003
2004	1.68	0.81	3.91	3.18	3.97	1.17	3.39	15.03	18.17	22.18	14.63	16.48	NORM	NORM	WET	NORM	WET	2004
2005	0.19	0.70	2.73	8.47	1.79	4.52	1.34	9.78	31.57	25.04	25.61	14.85	NORM	WET	WET	WET	WET	2005
2006	0.36	2.10	1.73	1.38	0.80	6.82	3.17	9.75	9.70	6.89	23.44	23.95	NORM	DRY	DRY	WET	WET	2006
2007	1.31	2.43	3.86	2.63	1.37	2.66	1.66	17.75	18.04	13.23	13.35	11.67	WET	NORM	NORM	NORM	NORM	2007
2008	1.31	0.19	1.61	4.75	3.99	2.79	3.54	6.52	17.66	23.08	21.10	20.19	DRY	NORM	WET	WET	WET	2008
2009	1.55	1.75	1.22	6.05	2.15	8.23	2.85	8.71	22.34	19.77	35.04	27.16	NORM	WET	NORM	WET	WET	2009
2010	0.98	0.86	7.30	2.79	1.42	2.32	5.95	24.60	23.83	17.14	12.59	23.91	WET	WET	NORM	NORM	WET	2010
2011	1.44	2.67	2.80	7.46	5.17	1.63	0.76	15.18	30.65	33.23	22.69	10.71	NORM	WET	WET	WET	NORM	2011
2012	0.26	4.75	1.43	1.91	1.84	1.29	0.05	14.05	13.34	10.77	9.46	4.57	NORM	NORM	NORM	NORM	DRY	2012
2013	0.26	1.90	2.96	2.41	2.41	0.25	2.62	12.94	15.05	15.01	7.98	10.77	NORM	NORM	NORM	NORM	NORM	2013
2014	0.40	2.66	1.38	5.92	0.61	5.82	0.87	9.86	23.18	15.05	24.60	14.86	NORM	WET	NORM	WET	WET	2014
2015	0.25	0.15	7.29	6.57	3.47	2.65	0.69	22.42	34.44	30.84	21.46	10.84	WET	WET	WET	WET	NORM	2015
2016	0.45	4.96	1.98	4.36	3.86	3.81	1.06	16.31	22.00	22.28	23.51	14.66	WET	WET	WET	WET	WET	2016
2017	0.45	0.97	1.31	1.58	1.82	2.80	2.29	6.32	8.33	9.93	13.62	14.29	DRY	DRY	NORM	NORM	NORM	2017
2018	1.76	1.10	1.62	2.02	3.50	2.22	2.77	8.82	10.40	16.16	15.68	16.25	NORM	NORM	NORM	NORM	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.67	1.37	1.67	March	1.37
April	0.81	1.95	2.37	April	1.95
May	1.76	2.73	3.29	May	2.73
June	1.85	3.16	3.84	June	3.16
July	1.46	2.71	3.30	July	2.71
August	1.07	2.11	2.58	August	2.11
Sept.	0.67	1.70	2.06	Sept.	1.70
Jun-MAM	7.57	13.46	16.28		
Jul-JMA	9.88	16.89	20.47		
Aug-JJM	9.84	17.18	20.87		
Sep-AJJ	7.98	14.91	18.18		
Oct-SAJ	5.61	12.03	14.64		

Note:

Leola NWS Station (SD4891) has not collected data as of 2009.

Leola NWS Station (SD4891) has been replaced with Leola SDSU NWS Station (SD4893) as of Oct. 2008.

Ipswich NWS Station (SD4206) was used for May 1973; Sep 2004; Mar 2008.

Leola NWS Station (SD4049) was used for Mar, May, Jul-Sep 2007; Apr 2008.

Rainfall Data
Long Valley
Station #SD4983
Jackson County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1980	1.24	1.36	0.96	1.42	1.58	1.99	0.44	6.84	7.54	8.54	10.55	6.88	DRY	DRY	DRY	NORM	NORM	1980
1981	0.68	0.53	1.97	2.60	3.84	3.56	0.38	7.65	12.27	18.69	20.96	12.10	DRY	NORM	NORM	WET	NORM	1981
1982	1.53	0.48	6.98	5.73	3.21	2.13	1.55	23.43	31.63	28.07	18.54	12.12	WET	WET	WET	WET	NORM	1982
1983	1.18	2.55	3.84	3.61	4.30	1.79	0.34	17.80	21.06	23.96	17.58	8.90	NORM	NORM	WET	WET	NORM	1983
1984	0.83	2.06	2.09	3.14	2.80	0.90	1.03	11.22	15.66	16.77	11.44	7.69	NORM	NORM	NORM	NORM	NORM	1984
1985	1.02	1.34	0.22	1.82	1.51	2.24	2.06	4.36	7.24	8.39	11.56	12.17	DRY	DRY	DRY	NORM	NORM	1985
1986	1.85	5.55	1.69	5.12	2.60	2.11	3.79	18.02	24.29	19.73	16.65	18.19	NORM	WET	NORM	WET	WET	1986
1987	3.15	0.36	2.38	0.36	3.62	2.47	1.63	11.01	6.20	13.96	15.01	13.45	NORM	DRY	NORM	NORM	WET	1987
1988	1.67	0.82	4.45	7.09	0.99	0.64	1.23	16.66	30.99	21.60	10.99	5.96	NORM	WET	WET	NORM	DRY	1988
1989	1.15	0.92	1.76	1.10	1.75	0.70	2.73	8.27	7.74	9.21	6.70	11.34	NORM	DRY	DRY	DRY	NORM	1989
1990	1.60	1.08	5.43	4.43	4.01	0.55	0.50	20.05	25.23	26.32	14.10	6.61	WET	WET	WET	NORM	NORM	1990
1991	0.37	3.15	6.27	3.56	0.60	1.71	0.35	25.48	26.37	15.19	9.89	5.07	WET	WET	NORM	NORM	DRY	1991
1992	1.44	0.69	0.91	2.67	3.95	1.50	0.80	5.55	10.52	18.10	15.07	9.35	DRY	NORM	NORM	NORM	NORM	1992
1993	0.39	4.13	1.71	5.62	5.12	2.10	2.40	13.78	24.41	28.31	22.16	16.52	NORM	WET	WET	WET	WET	1993
1994	0.32	1.75	1.90	2.31	3.15	1.15	1.09	9.52	12.48	15.97	12.06	8.72	NORM	NORM	NORM	NORM	NORM	1994
1995	1.77	3.89	6.73	4.53	2.98	0.67	1.73	29.74	30.94	24.73	12.50	9.51	WET	WET	WET	NORM	NORM	1995
1996	0.96	0.89	6.98	1.72	1.94	3.57	3.86	23.68	20.01	16.24	16.31	20.66	WET	NORM	NORM	NORM	WET	1996
1997	0.77	3.32	3.66	6.02	3.56	1.30	0.64	18.39	28.70	26.38	17.04	8.08	WET	WET	WET	WET	NORM	1997
1998	3.56	0.19	3.91	4.47	3.40	1.33	2.08	15.67	21.42	23.05	15.26	12.30	NORM	WET	WET	NORM	NORM	1998
1999	0.80	3.94	2.69	4.15	1.15	1.18	3.18	16.75	21.77	14.44	9.99	13.05	NORM	WET	NORM	NORM	WET	1999
2000	3.11	3.48	2.34	1.76	2.38	0.99	0.49	17.09	13.44	13.00	9.49	5.83	NORM	NORM	NORM	NORM	DRY	2000
2001	0.78	3.48	2.93	2.89	2.72	0.37	0.65	16.53	18.01	16.87	9.44	5.41	NORM	NORM	NORM	NORM	DRY	2001
2002	1.27	1.47	2.09	0.22	0.73	1.92	2.06	10.48	6.31	4.72	7.44	10.75	NORM	DRY	DRY	DRY	NORM	2002
2003	1.09	2.38	2.42	1.90	3.19	0.35	0.63	13.11	12.92	15.79	9.33	5.78	NORM	NORM	NORM	NORM	DRY	2003
2004	3.63	0.20	3.14	0.73	2.96	1.93	3.26	13.45	8.67	13.48	12.44	16.60	NORM	DRY	NORM	NORM	WET	2004
2005	1.16	4.82	5.34	3.45	4.51	2.42	0.59	26.82	25.85	25.77	19.73	11.12	WET	WET	WET	WET	NORM	2005
2006	2.22	2.64	0.82	1.35	0.20	2.78	3.53	9.96	8.33	4.12	10.09	16.35	NORM	DRY	DRY	NORM	WET	2006
2007	2.64	1.87	3.46	2.23	0.62	3.69	1.43	16.76	15.48	9.78	14.54	12.29	NORM	NORM	DRY	NORM	NORM	2007
2008	0.78	2.00	5.02	4.82	2.95	0.69	1.20	19.84	26.50	23.51	12.79	7.93	WET	WET	WET	NORM	NORM	2008
2009	1.31	3.43	0.79	3.15	6.68	2.92	0.28	10.54	14.46	27.13	25.27	13.36	NORM	NORM	WET	WET	WET	2009
2010	1.89	2.83	3.26	4.26	1.68	3.25	0.87	17.33	22.13	16.82	17.37	10.79	NORM	WET	NORM	WET	NORM	2010
2011	0.96	2.00	5.66	4.14	2.58	2.90	1.30	21.94	25.74	21.68	18.00	12.28	WET	WET	WET	WET	NORM	2011
2012	0.00	2.48	1.13	2.99	0.85	1.06	0.00	8.35	13.71	9.66	7.87	2.97	NORM	NORM	DRY	DRY	DRY	2012
2013	0.67	2.69	2.82	1.56	1.22	2.55	0.19	14.51	13.01	9.60	11.65	6.89	NORM	NORM	DRY	NORM	NORM	2013
2014	0.45	2.50	3.42	3.97	2.96	3.48	2.06	15.71	21.25	20.24	20.33	16.10	NORM	NORM	NORM	WET	WET	2014
2015	0.25	2.58	9.21	5.84	2.88	3.44	0.94	33.04	38.52	29.53	21.92	12.58	WET	WET	WET	WET	WET	2015
2016	2.65	3.79	1.23	1.95	2.02	1.63	2.38	13.92	12.10	11.19	10.88	12.42	NORM	NORM	NORM	NORM	NORM	2016
2017	1.48	2.35	4.10	1.22	0.98	0.36	1.67	18.48	14.21	9.48	4.26	6.71	WET	NORM	DRY	DRY	NORM	2017
2018	1.31	1.81	3.87	6.15	1.20	2.30	1.24	16.54	28.00	19.77	15.45	9.52	NORM	WET	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.69	1.43	1.75	March	1.43
April	1.13	2.19	2.67	April	2.19
May	1.76	3.08	3.74	May	3.08
June	1.85	3.07	3.72	June	3.07
July	1.88	2.78	3.32	July	2.78
August	1.11	1.69	2.02	August	1.69
Sept.	0.63	1.40	1.71	Sept.	1.40
Jun-MAM	8.23	15.05	18.31		
Jul-JMA	10.20	17.56	21.31		
Aug-JJM	11.10	17.56	21.14		
Sep-AJJ	8.94	13.70	16.42		
Oct-SAJ	5.99	10.36	12.49		

NOTE:

Long Valley NWS Station (SD4983) has not collected data as of 2012.

Cedar Butte NWS Station (SD1539) was used for Sep 1983; Jul, Aug, Sep 2015; 2016; Mar-Jun 2017.

Martin NWS Station (SD5281) was used for May 2011; Mar-May 2012; 2013-2014; Mar-Jun 2015.

Interior 3 NE NWS Station (SD4184) was used for Jul-Sep 2017; 2018.

Rainfall Data
Ludlow 3 SSE
Station #SD5048
Harding County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1957	0.10	1.53	1.36	7.41	2.05	3.70	1.89	7.24	26.48	22.33	22.61	15.12	NORM	WET	WET	WET	WET	1957
1978	0.14	2.11	4.88	3.41	3.19	2.30	1.25	19.00	22.10	21.27	16.69	11.54	WET	WET	WET	WET	WET	1978
1980	0.39	0.47	0.72	1.51	3.19	2.70	0.14	3.49	6.44	13.31	15.99	9.01	DRY	DRY	NORM	WET	NORM	1980
1981	0.00	0.29	2.13	2.08	2.23	1.34	1.03	6.97	10.79	12.98	10.56	8.00	NORM	NORM	NORM	NORM	NORM	1981
1982	2.73	1.47	8.07	2.28	2.20	1.19	1.27	29.88	24.45	19.23	10.25	8.39	WET	WET	WET	NORM	NORM	1982
1983	1.12	0.78	1.71	2.54	2.44	0.57	0.40	7.81	11.82	14.11	9.13	4.78	NORM	NORM	NORM	NORM	NORM	1983
1984	0.39	5.29	0.43	4.86	0.44	0.93	1.52	12.26	20.73	11.47	8.53	6.86	NORM	WET	NORM	NORM	NORM	1984
1985	1.25	0.33	2.27	1.39	1.04	1.88	1.28	8.72	9.04	8.17	9.11	8.64	NORM	DRY	DRY	NORM	NORM	1985
1986	0.36	3.07	3.07	1.68	1.51	1.32	3.28	15.71	14.25	10.96	8.66	13.99	NORM	NORM	NORM	NORM	WET	1986
1987	1.59	0.28	4.39	0.95	2.83	1.16	1.55	15.32	11.91	14.78	10.09	9.80	NORM	NORM	NORM	NORM	NORM	1987
1988	0.38	0.17	2.60	1.55	0.34	0.82	0.70	8.52	10.02	6.72	4.69	4.08	NORM	DRY	DRY	DRY	NORM	1988
1989	1.36	5.22	1.01	1.72	3.16	0.80	0.98	14.83	12.40	13.93	10.44	7.70	NORM	NORM	NORM	NORM	NORM	1989
1990	0.25	1.01	0.84	1.96	2.24	0.21	0.13	4.79	8.57	11.48	7.07	3.05	DRY	DRY	NORM	NORM	DRY	1990
1991	0.40	2.38	3.46	3.41	3.41	0.82	0.63	15.54	19.53	20.51	12.69	6.94	NORM	NORM	WET	NORM	NORM	1991
1992	0.31	0.84	1.02	7.64	2.31	1.21	0.87	5.05	25.80	23.23	15.89	7.34	DRY	WET	WET	WET	NORM	1992
1993	0.42	2.32	1.50	5.97	5.62	0.42	0.14	9.56	23.23	30.30	18.47	6.88	NORM	WET	WET	WET	NORM	1993
1994	0.78	2.07	1.26	2.34	2.95	0.21	2.05	8.70	11.61	14.79	8.87	9.52	NORM	NORM	NORM	NORM	NORM	1994
1995	2.17	3.54	8.61	1.78	3.02	1.44	0.20	35.08	26.10	21.23	12.14	6.50	WET	WET	WET	NORM	NORM	1995
1996	0.40	0.93	5.91	3.31	2.43	1.24	2.02	19.99	22.68	19.82	11.89	10.97	WET	WET	WET	NORM	WET	1996
1997	0.02	2.21	1.42	3.54	1.43	1.01	0.79	8.70	15.67	12.79	9.43	5.82	NORM	NORM	NORM	NORM	NORM	1997
1998	1.32	0.42	1.50	5.07	1.69	2.64	1.04	6.66	18.63	16.71	16.37	10.09	DRY	NORM	NORM	WET	NORM	1998
1999	0.10	3.66	3.40	2.61	0.39	2.99	1.00	17.62	18.29	9.79	12.36	9.37	WET	NORM	NORM	NORM	NORM	1999
2000	0.20	0.88	2.80	1.30	3.43	0.03	0.00	10.36	10.38	15.69	8.25	3.49	NORM	NORM	NORM	NORM	DRY	2000
2001	0.73	2.29	1.66	4.30	3.30	0.33	0.38	10.29	18.51	20.16	11.89	5.10	NORM	NORM	WET	NORM	NORM	2001
2002	0.35	1.47	0.69	1.50	1.13	1.83	0.49	5.36	7.35	7.08	9.25	6.26	DRY	DRY	DRY	NORM	NORM	2002
2003	2.08	0.96	2.54	2.19	1.36	0.62	3.74	11.62	12.61	11.00	6.77	13.82	NORM	NORM	NORM	NORM	WET	2003
2004	0.40	0.38	1.44	4.10	0.91	1.87	1.03	5.48	15.56	12.37	11.53	7.74	DRY	NORM	NORM	NORM	NORM	2004
2005	0.24	0.36	1.02	3.1	0.61	1.34	0.63	4.02	11.70	9.05	8.34	5.18	DRY	NORM	DRY	NORM	NORM	2005
2006	0.46	3.15	1.50	0.88	0.28	1.40	1.93	11.26	8.79	4.10	5.64	8.87	NORM	DRY	DRY	DRY	NORM	2006
2007	0.67	1.39	3.48	1.98	3.03	1.75	0.49	13.89	14.29	16.53	13.29	8.00	NORM	NORM	NORM	NORM	NORM	2007
2008	0.20	0.58	1.94	4.36	1.79	0.16	0.40	7.18	17.54	16.03	8.42	3.31	NORM	NORM	NORM	NORM	DRY	2008
2009	0.68	0.41	0.61	2.02	1.56	0.24	0.77	3.33	7.69	9.33	5.86	4.35	DRY	DRY	DRY	DRY	NORM	2009
2010	0.12	1.36	1.73	3.79	3.71	1.45	1.72	8.03	16.19	20.44	15.56	11.77	NORM	NORM	WET	WET	WET	2010
2011	0.31	3.59	5.43	4.89	4.83	1.19	0.18	23.78	29.12	29.70	18.12	7.75	WET	WET	WET	WET	NORM	2011
2012	0.00	1.96	2.72	1.05	5.79	0.57	0.00	12.08	10.55	22.19	14.34	6.93	NORM	NORM	WET	WET	NORM	2012
2013	0.37	0.84	6.66	5.81	1.52	1.69	7.01	22.03	31.59	22.84	13.92	25.93	WET	WET	WET	NORM	WET	2013
2014	2.37	2.57	1.78	7.11	3.49	4.01	1.57	12.85	27.46	26.47	26.12	16.22	NORM	WET	WET	WET	WET	2014
2015	0.29	0.91	5.04	2.73	0.21	3.22	0.78	17.23	19.18	11.13	12.81	8.99	WET	NORM	NORM	NORM	NORM	2015
2016	0.25	2.15	0.70	0.65	2.21	1.07	1.02	6.65	5.50	8.63	8.28	7.41	DRY	DRY	DRY	NORM	NORM	2016
2017	1.51	3.20	1.66	0.87	3.56	0.42	2.70	12.89	9.13	14.08	9.25	12.50	NORM	DRY	NORM	NORM	WET	2017
2018	1.18	1.71	2.86	1.64	1.04	1.56	1.16	13.18	12.35	9.26	8.40	7.64	NORM	NORM	DRY	NORM	NORM	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data	
	Bound	N	Bound			
March	0.29	0.72	0.89		March	0.72
April	0.77	1.91	2.32		April	1.91
May	1.62	2.90	3.53		May	2.90
June	2.09	3.12	3.73		June	3.12
July	1.29	2.23	2.71		July	2.23
August	0.65	1.33	1.62		August	1.33
Sept.	0.48	1.25	1.54		Sept.	1.25

NOTE:
Ludlow 3 SSE NWS Station (SD5048) has not collected data as of June 2015.
Buffalo ASOS NWS Station (SD037) was used for Mar 2009; Aug 2012; Jun-Sep 2015; 2016-2018.

Jun-MAM	6.69	13.24	16.12
Jul-JMA	10.28	17.07	20.57
Aug-JJM	9.67	15.83	19.12
Sep-AJJ	6.62	11.57	14.01
Oct-SAJ	4.03	8.64	10.57

Rainfall Data
Madison 2 SE
Station #SD5090
Lake County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches									Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-		June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1940	2.12	2.17	0.24	4.73	2.55	2.73	0.79		7.18	16.84	17.35	18.02	10.38	DRY	NORM	NORM	NORM	DRY	1940
1950	0.91	1.21	4.34	1.73	2.62	2.20	7.15		16.35	15.08	15.66	13.57	28.47	NORM	NORM	NORM	NORM	WET	1950
1956	0.90	2.52	1.75	2.08	4.01	4.22	0.61		11.19	12.26	17.94	22.76	14.28	NORM	DRY	NORM	NORM	NORM	1956
1962	1.56	2.04	3.23	3.94	9.02	3.68	2.29		15.33	20.32	38.17	33.02	23.25	NORM	NORM	WET	WET	WET	1962
1964	2.24	2.30	1.72	3.62	3.50	3.42	1.63		12.00	16.60	19.46	20.88	15.23	NORM	NORM	NORM	NORM	NORM	1964
1965	2.33	3.08	3.55	4.37	1.25	1.29	4.89		19.14	23.29	16.04	10.74	18.50	NORM	NORM	NORM	DRY	NORM	1965
1971	0.92	1.88	1.64	3.33	2.50	3.76	1.04		9.60	15.15	15.80	19.61	13.14	DRY	NORM	NORM	NORM	NORM	1971
1976	1.48	2.31	0.37	1.72	0.79	1.14	2.98		7.21	8.21	6.18	6.72	12.01	DRY	DRY	DRY	DRY	NORM	1976
1978	0.90	3.92	3.17	0.92	3.76	1.67	2.79		18.25	13.02	16.29	13.45	15.47	NORM	NORM	NORM	NORM	NORM	1978
1979	2.21	2.88	4.06	3.04	3.85	4.49	1.66		20.15	20.12	21.69	24.21	17.81	NORM	NORM	NORM	WET	NORM	1979
1980	1.05	0.61	1.47	2.48	2.09	6.00	0.74		6.68	10.99	12.70	24.66	16.31	DRY	DRY	NORM	WET	NORM	1980
1981	1.41	1.89	0.69	2.54	2.51	1.65	1.12		7.26	10.89	13.30	12.51	9.17	DRY	DRY	NORM	DRY	DRY	1981
1982	1.68	2.28	5.75	2.97	4.44	2.09	2.36		23.49	22.69	25.01	18.12	15.70	WET	NORM	WET	NORM	NORM	1982
1983	4.06	3.42	1.75	4.53	4.02	2.55	1.96		16.15	20.51	22.87	20.22	15.00	NORM	NORM	NORM	NORM	NORM	1983
1984	2.03	4.60	2.75	9.57	1.98	1.35	0.83		19.48	38.81	27.83	17.58	7.17	NORM	WET	WET	NORM	DRY	1984
1985	2.52	2.53	3.28	1.32	1.28	3.23	3.99		17.42	13.05	9.76	13.57	19.71	NORM	NORM	DRY	NORM	NORM	1985
1986	1.56	6.87	4.90	7.07	3.37	3.06	6.89		30.00	37.88	29.15	22.99	30.16	WET	WET	WET	NORM	WET	1986
1987	3.23	0.33	2.23	2.24	5.75	2.06	2.24		10.58	11.51	23.96	19.92	16.59	NORM	DRY	NORM	NORM	NORM	1987
1988	0.79	2.70	3.39	2.02	0.89	5.23	3.50		16.36	15.54	10.10	19.49	21.85	NORM	NORM	DRY	NORM	WET	1988
1989	1.82	1.22	1.06	3.57	3.78	1.62	3.36		7.44	14.05	19.54	15.99	17.10	DRY	NORM	NORM	NORM	NORM	1989
1990	1.27	1.79	5.26	8.62	3.07	3.49	0.32		20.63	38.17	31.71	25.23	11.01	WET	WET	WET	WET	NORM	1990
1991	0.26	2.46	5.79	5.86	1.69	1.28	3.60		22.55	16.62	22.58	13.08	15.05	WET	WET	NORM	NORM	NORM	1991
1992	1.45	1.66	1.10	4.29	6.08	5.37	2.70		8.07	31.73	27.92	32.56	24.92	DRY	NORM	WET	WET	WET	1992
1993	1.29	2.64	5.03	9.07	7.48	2.41	2.12		21.66	39.91	45.61	31.26	18.66	WET	WET	WET	WET	NORM	1993
1994	0.38	2.90	1.73	5.98	1.72	2.14	2.01		11.37	24.30	18.85	15.84	12.03	NORM	NORM	NORM	NORM	NORM	1994
1995	2.95	6.77	4.59	3.30	5.20	4.69	3.11		30.26	25.85	26.79	27.77	23.91	WET	WET	WET	WET	WET	1995
1996	0.17	0.44	6.11	3.52	1.35	3.63	5.36		19.38	23.22	17.20	17.11	24.69	NORM	NORM	NORM	NORM	WET	1996
1997	0.50	2.30	2.51	1.31	1.92	2.99	2.28		12.63	11.25	10.89	14.12	14.74	NORM	DRY	DRY	NORM	NORM	1997
1998	1.33	3.82	1.29	2.52	4.46	5.17	1.19		12.84	13.96	19.71	26.95	18.37	NORM	NORM	NORM	WET	NORM	1998
1999	0.62	4.83	2.78	4.08	3.16	1.56	3.73		18.62	22.63	20.42	15.08	17.47	NORM	NORM	NORM	NORM	NORM	1999
2000	1.06	2.73	5.81	3.66	2.30	1.90	2.29		23.95	25.33	20.03	13.96	12.97	WET	WET	NORM	NORM	NORM	2000
2001	0.94	6.26	2.59	4.11	1.88	0.40	2.78		21.23	23.77	16.45	9.07	11.02	WET	NORM	NORM	DRY	NORM	2001
2002	1.03	1.51	0.84	1.60	0.41	6.54	1.19		6.57	7.99	5.27	22.04	17.06	DRY	DRY	DRY	NORM	NORM	2002
2003	0.17	2.97	2.29	3.49	1.85	1.47	2.54		12.98	18.02	14.82	11.60	12.41	NORM	NORM	NORM	DRY	NORM	2003
2004	1.23	1.13	6.54	2.23	5.62	2.41	6.11		23.11	20.90	27.86	20.70	28.77	WET	NORM	WET	NORM	WET	2004
2005	0.94	1.83	3.14	6.12	2.9	2.14	7.2		14.02	26.47	24.08	18.34	28.78	NORM	WET	NORM	NORM	WET	2005
2006	1.65	2.99	0.97	2.46	0.65	4.96	6.09		10.54	12.31	7.84	18.64	28.84	NORM	DRY	DRY	NORM	WET	2006
2007	2.31	4.67	5.03	1.86	1.24	6.05	1.39		26.74	20.31	12.47	22.49	17.51	WET	NORM	DRY	NORM	NORM	2007
2008	0.50	3.07	2.12	2.87	3.05	0.90	1.84		13.00	15.92	17.01	11.67	10.37	NORM	NORM	NORM	DRY	DRY	2008
2009	1.52	2.40	1.47	5.35	4.67	2.17	1.07		10.73	21.39	26.18	21.20	12.22	NORM	NORM	WET	NORM	NORM	2009
2010	1.09	2.15	2.13	6.03	6.43	7.40	7.39		11.78	24.50	33.48	41.09	43.40	NORM	NORM	WET	WET	WET	2010
2011	1.03	3.00	4.38	2.85	7.09	2.13	0.21		20.17	20.31	31.35	23.42	11.98	NORM	NORM	WET	NORM	NORM	2011
2012	0.48	2.84	9.97	1.47	0.55	2.88	1.55		36.07	27.19	14.56	11.21	10.96	WET	WET	NORM	DRY	NORM	2012
2013	1.07	3.08	3.87	3.63	2.24	1.38	0.60		18.84	21.71	17.85	12.25	6.80	NORM	NORM	NORM	DRY	DRY	2013
2014	0.63	1.13	4.83	6.88	0.82	4.66	1.22		17.38	31.43	21.05	22.50	13.80	NORM	WET	NORM	NORM	NORM	2014
2015	0.21	0.38	4.73	6.30	5.67	4.73	2.52		15.16	28.74	34.34	31.83	22.69	NORM	WET	WET	WET	WET	2015
2016	1.01	2.51	4.44	5.38	2.10	5.42	2.56		19.35	27.53	21.50	25.84	20.62	NORM	WET	NORM	WET	NORM	2016
2017	0.70	1.40	4.46	1.57	1.30	3.38	4.03		16.88	15.03	11.50	14.31	20.15	NORM	NORM	DRY	NORM	NORM	2017
2018	2.50	2.38	2.66	4.77	5.26	2.94	4.98		15.24	22.01	27.98	24.11	26.08	NORM	NORM	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.93	1.68	2.04	March	1.68
April	1.54	2.59	3.14	April	2.59
May	1.94	3.32	4.03	May	3.32
June	2.34	3.78	4.57	June	3.78
July	1.98	3.12	3.76	July	3.12
August	2.18	3.19	3.80	August	3.19
Sept.	1.45	2.56	3.12	Sept.	2.56
Jun-MAM	9.83	16.82	20.41		
Jul-JMA	12.44	20.57	24.91		
Aug-JJM	12.56	20.24	24.45		
Sep-AJJ	12.84	19.59	23.49		
Oct-SAJ	10.69	17.18	20.72		

Note:
Chester 2 N NWS Station (SD1636) was used for Apr, Jun, Aug, Sep 2008;
2009.
Colton NWS Station (SD1851) was used for May, Jul 2008.
Howard NWS Station (SD4037) was used for 1940; and 1956.

Rainfall Data
Marion
Station #SD5228
Turner County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1940	2.24	3.77	0.11	7.52	2.08	3.97	1.21	10.11	26.55	21.39	23.59	13.65	DRY	WET	NORM	WET	NORM	1940
1941	0.65	4.09	1.23	4.08	1.20	0.44	2.03	12.52	18.79	12.99	7.80	8.17	NORM	NORM	NORM	DRY	NORM	1941
1956	1.69	2.50	1.86	0.69	3.26	3.53	0.40	12.27	8.29	13.02	17.80	11.52	NORM	DRY	NORM	NORM	NORM	1956
1958	1.29	3.67	0.79	1.50	4.28	1.19	1.41	11.00	9.75	16.63	13.63	10.89	NORM	DRY	NORM	NORM	NORM	1958
1962	1.99	1.58	3.89	4.11	5.48	3.75	3.18	16.82	21.69	28.55	26.32	22.52	NORM	NORM	WET	WET	WET	1962
1964	2.14	3.91	1.07	2.50	3.32	2.41	2.64	13.17	13.55	16.03	16.37	16.06	NORM	NORM	NORM	NORM	NORM	1964
1966	0.53	1.63	3.63	3.23	2.32	3.58	6.11	14.68	18.58	17.05	18.61	27.81	NORM	NORM	NORM	NORM	WET	1966
1968	0.67	5.22	1.74	5.61	4.68	1.62	4.15	16.33	25.53	27.00	19.83	20.37	NORM	WET	WET	NORM	WET	1968
1970	2.26	3.92	1.97	3.05	2.46	0.42	2.19	16.01	17.01	15.45	9.23	9.87	NORM	NORM	NORM	DRY	NORM	1970
1976	1.08	2.00	2.19	1.33	1.99	0.83	2.75	11.65	10.37	10.82	7.80	11.90	NORM	DRY	DRY	DRY	NORM	1976
1978	0.45	4.20	2.81	3.86	5.67	5.32	2.51	17.28	21.40	27.54	31.16	23.84	NORM	NORM	WET	WET	WET	1978
1979	2.09	2.34	3.82	4.01	3.06	3.32	1.85	18.23	22.01	21.02	20.09	15.25	NORM	NORM	NORM	NORM	NORM	1979
1980	0.63	0.62	1.91	2.34	0.98	3.84	0.64	7.60	11.46	9.53	15.82	10.58	DRY	DRY	DRY	NORM	NORM	1980
1981	1.73	0.89	1.06	2.85	4.32	1.76	1.80	6.69	11.56	19.72	16.77	13.24	DRY	DRY	NORM	NORM	NORM	1981
1982	1.44	2.09	6.20	2.45	3.65	3.88	4.22	24.22	21.84	22.05	21.39	24.07	WET	NORM	NORM	NORM	WET	1982
1983	3.50	2.57	2.06	7.68	4.17	0.27	1.23	14.82	29.73	29.93	16.83	8.40	NORM	WET	WET	NORM	NORM	1983
1984	1.43	8.39	3.97	14.19	2.04	1.61	0.69	30.12	58.90	38.47	23.10	7.33	WET	WET	WET	WET	NORM	1984
1985	3.19	5.02	3.50	2.02	1.82	5.13	3.94	23.73	18.08	13.00	21.05	23.90	WET	NORM	NORM	NORM	WET	1985
1986	2.51	6.47	4.19	2.57	2.95	2.35	7.80	28.02	22.56	18.18	15.52	31.05	WET	NORM	NORM	NORM	WET	1986
1987	4.12	0.46	2.06	2.00	2.22	2.11	3.44	11.22	10.58	12.72	12.77	16.76	NORM	DRY	NORM	NORM	NORM	1987
1988	0.64	2.85	3.79	1.16	0.79	4.84	3.48	17.71	13.91	8.48	17.26	20.91	NORM	NORM	DRY	NORM	WET	1988
1989	1.38	0.95	3.00	2.37	3.45	2.03	1.84	12.28	14.06	18.09	15.36	13.03	NORM	NORM	NORM	NORM	NORM	1989
1990	1.50	1.03	4.78	1.86	1.88	2.48	1.80	17.90	16.17	14.14	13.06	12.24	NORM	NORM	NORM	NORM	NORM	1990
1991	1.29	2.28	4.32	2.23	2.23	1.48	1.62	18.81	17.61	15.47	11.13	10.05	NORM	NORM	NORM	NORM	NORM	1991
1992	2.87	2.43	1.27	1.91	7.60	4.29	3.01	11.54	10.70	27.89	29.98	25.21	NORM	DRY	WET	WET	WET	1992
1993	1.11	2.14	7.05	7.27	7.05	4.25	2.47	26.54	38.05	42.74	34.12	22.96	WET	WET	WET	WET	WET	1993
1994	0.00	3.77	2.49	5.09	1.92	2.77	2.60	15.01	24.02	18.43	17.24	15.26	NORM	NORM	NORM	NORM	NORM	1994
1995	4.80	6.25	5.55	1.42	1.75	2.05	3.90	33.95	21.61	13.64	11.07	17.55	WET	NORM	NORM	NORM	NORM	1995
1996	0.74	0.57	4.91	2.99	3.25	3.14	4.26	16.61	19.36	20.64	18.91	22.31	NORM	NORM	NORM	NORM	WET	1996
1997	0.09	1.94	3.72	3.35	2.16	2.26	1.57	15.13	19.43	16.90	14.45	11.39	NORM	NORM	NORM	NORM	NORM	1997
1998	2.36	4.27	1.40	4.81	2.96	2.90	0.23	15.10	21.50	19.90	19.43	9.45	NORM	NORM	NORM	NORM	NORM	1998
1999	0.79	3.71	2.75	3.59	4.46	1.61	2.28	16.46	19.98	23.31	17.34	14.52	NORM	NORM	WET	NORM	NORM	1999
2000	0.61	1.92	4.50	3.25	1.65	3.59	0.67	17.95	20.67	15.95	17.32	10.84	NORM	NORM	NORM	NORM	NORM	2000
2001	0.35	7.60	2.75	3.55	8.11	1.60	4.05	23.80	23.75	34.18	24.57	23.46	WET	NORM	WET	WET	WET	2001
2002	1.00	1.74	1.87	1.13	1.56	8.06	1.30	10.09	8.87	8.81	28.43	21.58	DRY	DRY	DRY	WET	WET	2002
2003	0.30	4.13	2.60	5.97	2.56	1.63	3.77	16.36	27.24	22.22	15.98	17.13	NORM	WET	NORM	NORM	NORM	2003
2004	2.30	1.26	7.92	3.51	1.33	2.29	6.18	28.58	27.63	18.93	13.04	24.45	WET	WET	NORM	NORM	WET	2004
2005	1.23	3.55	4.09	6.60	0.87	0.96	2.22	20.60	31.53	19.90	11.22	9.45	NORM	WET	NORM	NORM	NORM	2005
2006	1.78	3.14	1.51	2.86	0.22	3.50	5.16	12.59	14.74	7.89	13.80	22.70	NORM	NORM	DRY	NORM	WET	2006
2007	2.15	3.23	2.71	4.53	0.03	5.95	1.61	16.74	22.24	11.86	22.44	16.76	NORM	NORM	DRY	WET	NORM	2007
2008	0.92	4.61	3.69	4.86	1.62	1.18	2.11	21.21	26.57	18.27	11.64	10.31	NORM	WET	NORM	NORM	NORM	2008
2009	0.86	1.17	2.07	4.72	3.34	2.44	1.86	9.41	19.47	21.53	18.72	13.80	DRY	NORM	NORM	NORM	NORM	2009
2010	1.37	2.31	2.04	8.14	12.74	5.44	3.68	12.11	30.81	56.54	49.94	34.66	NORM	WET	WET	WET	WET	2010
2011	1.01	3.36	3.89	2.88	3.20	3.09	0.28	19.40	19.78	19.25	18.55	10.22	NORM	NORM	NORM	NORM	NORM	2011
2012	0.41	2.85	4.04	1.20	0.73	1.05	0.26	18.23	14.53	8.63	5.81	3.61	NORM	NORM	DRY	DRY	DRY	2012
2013	1.15	4.23	8.06	3.62	1.72	4.01	0.64	33.79	31.21	20.46	19.09	11.66	WET	WET	NORM	NORM	NORM	2013
2014	0.58	1.01	1.75	8.56	1.33	4.53	2.71	7.85	30.19	22.86	24.81	18.52	DRY	WET	NORM	WET	NORM	2014
2015	0.19	0.95	3.03	3.22	4.81	5.42	2.69	11.18	16.67	23.90	29.10	23.72	NORM	NORM	WET	WET	WET	2015
2016	1.90	3.37	5.48	1.37	1.43	1.84	5.97	25.08	18.44	12.51	9.75	23.02	WET	NORM	NORM	DRY	WET	2016
2017	0.40	1.80	5.36	4.95	1.21	7.32	1.55	20.08	27.37	18.89	29.33	20.50	NORM	WET	NORM	WET	WET	2017
2018	2.16	3.99	2.63	11.35	2.55	3.97	5.60	18.03	43.30	32.98	28.36	27.29	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.9	1.86	2.3	March	1.86
April	1.57	2.73	3.32	April	2.73
May	2.21	3.41	4.10	May	3.41
June	2.28	3.59	4.33	June	3.59
July	1.73	2.85	3.45	July	2.85
August	1.44	2.94	3.57	August	2.94
Sept.	0.75	2.57	3.13	Sept.	2.57

NOTE:

Bridgewater NWS Station (SD1032) was used for Apr 1980; Apr, May 1989; 2001.

Jun-MAM	10.67	17.55	21.24
Jul-JMA	12.83	20.32	24.51
Aug-JJM	11.96	19.14	23.11
Sep-AJJ	10.06	18.11	21.94
Oct-SAJ	6.86	16.44	19.98

Rainfall Data
 Martin
 Station #SD5281
 Bennett County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.89	1.06	1.36	3.22	1.00	2.35	0.16	7.09	13.44	10.80	12.27	6.18	DRY	NORM	DRY	NORM	DRY	1980
1981	0.95	0.90	2.40	1.87	6.44	2.78	0.50	9.95	11.31	25.46	23.09	13.50	DRY	DRY	WET	WET	WET	1981
1982	1.78	0.76	8.53	3.42	1.74	2.14	1.78	28.89	28.08	20.59	13.32	11.36	WET	WET	WET	NORM	NORM	1982
1983	1.54	2.06	4.33	3.30	5.00	1.78	0.23	18.65	20.62	25.93	18.64	9.25	NORM	NORM	WET	WET	NORM	1983
1984	0.83	1.71	2.76	3.35	3.64	0.46	0.82	12.53	17.28	20.38	12.01	7.02	NORM	NORM	WET	NORM	NORM	1984
1985	0.49	1.40	0.24	1.17	1.49	3.04	2.85	4.01	5.39	7.05	13.27	16.12	DRY	DRY	DRY	NORM	WET	1985
1986	2.09	3.93	3.46	5.18	2.79	1.40	3.38	20.33	26.39	22.19	14.96	15.73	WET	WET	WET	NORM	WET	1986
1987	2.23	0.44	2.36	1.78	1.59	1.72	1.42	10.19	10.50	10.69	10.12	9.29	DRY	DRY	DRY	NORM	NORM	1987
1988	0.48	0.94	4.81	3.49	1.70	0.39	1.19	16.79	21.03	16.89	8.06	6.05	NORM	NORM	NORM	DRY	DRY	1988
1989	0.85	1.16	1.51	1.08	1.09	0.62	3.03	7.70	7.42	6.94	5.12	11.42	DRY	DRY	DRY	DRY	NORM	1989
1990	1.48	0.99	5.41	4.53	2.79	1.27	0.55	19.69	25.40	22.84	13.92	6.98	WET	WET	WET	NORM	NORM	1990
1991	0.14	2.83	5.63	3.74	2.63	6.05	0.98	22.69	25.31	21.00	27.15	17.67	WET	WET	WET	WET	WET	1991
1992	1.70	0.54	0.92	3.18	4.04	2.17	0.80	5.54	11.92	19.40	17.77	10.78	DRY	NORM	NORM	WET	NORM	1992
1993	0.40	2.07	1.79	5.43	3.33	2.38	2.80	9.91	21.94	22.64	19.23	16.49	DRY	WET	WET	WET	WET	1993
1994	0.88	1.53	3.15	2.74	4.63	0.29	0.45	13.39	16.05	22.52	12.87	6.56	NORM	NORM	WET	NORM	DRY	1994
1995	1.12	5.22	5.81	4.28	2.91	1.99	1.12	28.99	29.68	23.10	16.07	10.25	WET	WET	WET	NORM	NORM	1995
1996	0.57	1.29	5.96	2.45	1.94	1.75	4.58	21.03	20.56	16.68	11.58	19.18	WET	NORM	NORM	NORM	WET	1996
1997	0.22	4.21	3.15	8.47	2.95	2.48	1.56	18.09	35.92	28.94	21.81	12.59	NORM	WET	WET	WET	NORM	1997
1998	2.79	0.36	3.99	4.47	3.40	3.64	1.31	15.48	21.75	23.13	22.19	14.61	NORM	WET	WET	WET	WET	1998
1999	0.57	2.91	3.01	6.35	2.21	2.14	2.41	15.42	27.98	22.34	17.19	13.72	NORM	WET	WET	WET	WET	1999
2000	3.24	3.44	2.02	3.20	1.64	0.52	0.70	16.18	17.08	13.34	8.04	4.78	NORM	NORM	NORM	DRY	DRY	2000
2001	0.74	3.20	1.93	3.28	4.18	0.34	0.19	12.93	16.90	21.03	12.66	5.43	NORM	NORM	WET	NORM	DRY	2001
2002	1.26	1.09	2.13	0.82	0.61	1.92	2.03	9.83	7.81	5.60	7.80	10.54	DRY	DRY	DRY	DRY	NORM	2002
2003	1.43	2.35	2.88	1.98	3.19	2.14	0.73	14.77	14.05	16.41	14.78	9.66	NORM	NORM	NORM	NORM	NORM	2003
2004	1.21	0.94	1.82	1.99	4.02	2.34	3.47	8.55	10.55	17.86	17.05	19.11	DRY	DRY	NORM	WET	WET	2004
2005	1.1	4.74	4.85	3.92	2.19	2.84	0.43	25.13	26.20	19.26	16.82	9.16	WET	WET	NORM	WET	NORM	2005
2006	2.26	2.72	0.91	1.35	0.53	2.06	2.63	10.43	8.59	5.20	8.59	12.54	DRY	DRY	DRY	DRY	NORM	2006
2007	2.41	1.73	3.68	1.66	0.58	3.21	1.04	16.91	14.07	8.74	12.45	10.12	NORM	NORM	DRY	NORM	NORM	2007
2008	0.76	2.17	4.41	3.73	1.14	1.24	1.39	18.33	22.18	15.29	9.73	7.79	NORM	WET	NORM	NORM	NORM	2008
2009	1.88	2.88	0.61	3.99	3.81	4.01	0.17	9.47	16.07	20.02	23.64	12.34	DRY	NORM	NORM	WET	NORM	2009
2010	1.61	3.07	2.47	3.32	1.43	0.94	0.99	15.16	17.97	13.40	9.00	6.28	NORM	NORM	NORM	DRY	DRY	2010
2011	0.85	1.87	5.66	4.83	3.41	3.49	0.85	21.57	27.68	25.55	22.12	12.94	WET	WET	WET	WET	NORM	2011
2012	0.00	2.48	1.13	3.04	0.42	0.94	0.74	8.35	13.86	8.47	6.70	4.52	DRY	NORM	DRY	DRY	DRY	2012
2013	0.67	2.69	2.82	1.56	1.22	2.55	0.19	14.51	13.01	9.60	11.65	6.89	NORM	NORM	DRY	NORM	NORM	2013
2014	0.45	2.50	3.42	3.97	2.96	3.48	2.06	15.71	21.25	20.24	20.33	16.10	NORM	NORM	WET	WET	WET	2014
2015	0.25	2.58	9.21	5.84	2.60	1.81	1.00	33.04	38.52	28.69	16.47	9.22	WET	WET	WET	NORM	NORM	2015
2016	1.46	4.39	1.82	1.11	3.07	1.42	0.64	15.70	11.36	13.25	11.51	7.83	NORM	DRY	NORM	NORM	NORM	2016
2017	1.77	2.38	4.43	2.76	2.38	2.16	1.73	19.82	19.52	17.09	14.00	11.89	WET	NORM	NORM	NORM	NORM	2017
2018	1.73	2.36	2.62	5.34	3.75	0.80	1.56	14.31	23.62	24.55	15.24	10.03	NORM	WET	WET	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.62	1.24	1.52	March	1.24
April	1.39	2.30	2.79	April	2.30
May	2.36	3.36	3.99	May	3.36
June	1.92	2.94	3.53	June	2.94
July	1.78	2.54	3.01	July	2.54
August	1.27	1.94	2.33	August	1.94
Sept.	0.80	1.45	1.77	Sept.	1.45
Jun-MAM	10.48	15.92	19.07		
Jul-JMA	11.87	17.84	21.36		
Aug-JJM	11.54	16.86	20.08		
Sep-AJJ	9.29	13.84	16.54		
Oct-SAJ	6.72	10.77	12.98		

NOTE:

Martin NWS Station (SD5281) has not collected data as of Jul 2015.
 Martin 5 E NWS Station (SD5285) was used for Sep 1980; 1981-1992; Mar-Jun 1996; Aug, Sep 1996; 1997; Mar-May 1998.
 Long Valley NWS Station (SD4983) was used for Sep 1992; Jul 1996; Jun, Jul 1998; Aug 2002; Jun 2003; Jun 2006.
 Gordon 6 N, NE NWS Station (NE3355) was used for Jul-Sep 2015; 2016-2018.

Rainfall Data
McIntosh 6 SE
Station #SD5381
Corson County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches									Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-		June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1978	0.00	2.43	3.34	4.50	2.41	6.32	0.45		14.88	22.61	19.57	28.28	16.40	WET	WET	WET	WET	WET	1978
1980	0.34	0.55	0.47	1.99	0.64	3.85	0.36		2.85	7.46	6.37	14.82	9.42	DRY	DRY	DRY	NORM	NORM	1980
1981	0.09	0.19	1.27	4.43	3.74	3.18	2.09		4.28	16.02	21.35	21.45	16.37	DRY	NORM	WET	WET	WET	1981
1982	1.06	1.06	6.23	1.17	0.86	0.84	0.33		21.87	17.03	11.15	5.41	3.53	WET	NORM	NORM	DRY	DRY	1982
1983	1.22	0.59	3.11	1.97	4.16	4.63	0.75		11.73	12.72	19.53	24.18	15.67	NORM	NORM	WET	WET	WET	1983
1984	0.84	3.26	0.90	5.71	0.84	1.89	1.20		10.06	22.19	14.84	13.06	8.22	NORM	WET	NORM	NORM	NORM	1984
1985	0.54	2.26	2.01	2.37	1.66	1.81	0.81		11.09	13.39	11.73	11.12	7.71	NORM	NORM	NORM	NORM	NORM	1985
1986	0.54	3.55	5.58	1.43	2.51	0.98	5.13		24.38	19.00	15.97	9.39	19.86	WET	NORM	NORM	NORM	WET	1986
1987	0.81	0.08	2.56	1.29	1.88	1.18	0.79		8.65	9.07	10.78	8.59	6.61	NORM	DRY	NORM	NORM	NORM	1987
1988	1.67	0.19	1.50	4.93	0.03	0.56	0.60		6.55	17.98	11.45	6.67	2.95	NORM	NORM	NORM	DRY	DRY	1988
1989	2.04	3.60	0.53	1.13	2.16	4.23	1.22		10.83	8.05	9.27	18.14	14.28	NORM	DRY	NORM	WET	WET	1989
1990	0.21	0.32	1.98	5.05	3.46	1.84	0.36		6.79	19.43	22.46	17.49	8.22	NORM	WET	WET	WET	NORM	1990
1991	0.33	1.80	3.22	1.99	1.59	0.51	0.65		13.59	14.21	11.97	6.70	4.56	NORM	NORM	NORM	DRY	DRY	1991
1992	0.51	0.53	1.16	4.45	3.35	3.17	0.24		5.05	16.20	20.11	20.66	10.41	DRY	NORM	WET	WET	NORM	1992
1993	0.18	0.60	0.97	5.81	6.57	1.03	0.54		4.29	19.97	32.30	22.04	10.25	DRY	WET	WET	WET	NORM	1993
1994	0.52	1.61	0.45	2.66	3.51	0.87	0.97		5.09	10.49	16.30	12.29	8.16	DRY	NORM	NORM	NORM	NORM	1994
1995	1.41	2.11	4.40	1.65	2.29	1.46	0.57		18.83	15.86	14.57	10.61	6.92	WET	NORM	NORM	NORM	NORM	1995
1996	1.17	0.80	3.75	2.47	3.15	1.32	3.76		14.02	15.71	18.14	12.73	17.07	NORM	NORM	NORM	NORM	WET	1996
1997	0.41	2.89	0.21	4.24	1.50	0.55	1.08		6.82	16.03	13.19	8.89	5.84	NORM	NORM	NORM	NORM	NORM	1997
1998	0.16	1.15	0.76	5.74	1.12	2.16	0.56		4.74	19.89	15.60	14.46	7.12	DRY	WET	NORM	NORM	NORM	1998
1999	0.06	1.64	5.64	3.77	1.64	2.45	1.30		20.26	24.23	18.10	14.40	10.44	WET	WET	NORM	NORM	NORM	1999
2000	1.69	0.82	2.23	2.52	2.46	0.28	0.45		10.02	12.84	14.65	8.28	4.37	NORM	NORM	NORM	NORM	DRY	2000
2001	0.16	1.49	2.05	2.29	7.55	0.07	2.31		9.29	12.46	29.28	17.60	14.62	NORM	NORM	WET	WET	WET	2001
2002	0.49	0.81	0.60	1.12	2.37	1.00	0.43		3.91	5.37	9.95	8.86	5.66	DRY	DRY	NORM	NORM	NORM	2002
2003	0.83	1.23	3.50	3.01	0.87	1.23	1.11		13.79	17.26	12.13	8.44	6.66	NORM	NORM	NORM	NORM	NORM	2003
2004	0.61	0.56	1.55	3.28	2.41	1.35	1.96		6.38	13.50	15.34	12.15	10.99	NORM	NORM	NORM	NORM	NORM	2004
2005	0.98	0.81	3.33	7.31	0.92	2.88	0.91		12.59	29.40	20.71	17.79	9.41	NORM	WET	WET	WET	NORM	2005
2006	0.53	0.89	0.34	0.90	1.26	3.12	2.74		3.33	4.27	5.92	12.78	15.72	DRY	DRY	DRY	NORM	WET	2006
2007	2.05	1.03	3.77	5.63	1.01	7.49	1.11		15.42	25.46	18.06	30.12	19.32	WET	WET	NORM	WET	WET	2007
2008	0.51	0.40	3.17	4.79	1.74	1.03	1.60		10.82	21.11	17.97	11.36	8.60	NORM	WET	NORM	NORM	NORM	2008
2009	1.51	1.19	1.35	2.85	3.41	1.30	1.10		7.94	12.44	17.28	13.57	9.31	NORM	NORM	NORM	NORM	NORM	2009
2010	0.65	1.95	3.12	1.52	4.62	1.26	3.12		13.91	12.75	20.02	14.54	16.50	NORM	NORM	WET	NORM	WET	2010
2011	1.04	1.82	3.01	4.72	1.21	1.85	0.51		13.71	22.00	16.08	12.69	6.44	NORM	WET	NORM	NORM	NORM	2011
2012	0.41	3.26	2.69	1.73	2.17	1.43	0.14		15.00	13.83	12.66	10.36	5.45	WET	NORM	NORM	NORM	NORM	2012
2013	0.44	0.95	6.17	2.47	2.13	2.97	3.09		20.85	20.70	17.50	15.64	17.34	WET	WET	NORM	WET	WET	2013
2014	0.33	1.83	0.55	7.91	0.62	5.97	1.36		5.64	26.66	18.23	27.06	16.64	DRY	WET	NORM	WET	WET	2014
2015	0.21	0.67	4.29	3.75	1.74	1.77	0.92		14.42	20.50	17.01	12.54	8.04	NORM	WET	NORM	NORM	NORM	2015
2016	1.05	4.10	1.79	0.84	3.06	1.15	0.79		14.62	10.20	12.65	10.41	7.73	WET	NORM	NORM	NORM	NORM	2016
2017	0.61	0.67	0.96	2.85	1.85	1.85	1.13		4.83	11.14	12.21	12.10	8.94	DRY	NORM	NORM	NORM	NORM	2017
2018	0.87	0.86	2.12	2.88	5.08	0.45	3.28		8.95	13.74	23.12	14.39	15.82	NORM	NORM	WET	NORM	WET	2018

Month	30% Lower Bound	N	30% Upper Bound
March	0.38	0.82	1.00
April	0.72	1.68	2.05
May	1.28	2.58	3.15
June	2.03	3.00	3.59
July	1.26	2.27	2.77
August	0.94	1.69	2.06
Sept.	0.54	1.30	1.59
Jun-MAM	5.66	11.92	14.55
Jul-JMA	9.37	15.84	19.12
Aug-JJM	9.12	15.39	18.64
Sep-AJJ	7.37	12.61	15.31
Oct-SAJ	4.76	9.55	11.66

Normals are for 1971-2000 data

March	0.82
April	1.68
May	2.58
June	3.00
July	2.27
August	1.69
Sept.	1.30

NOTE:

Mc Laughlin NWS Station (SD5406) was used for Apr-Sep 1978.

No station found for Mar 1978. Unneeded as Apr and May will cause the Jun Slide Indicator Status to be WET, and any precipitation here would only make it wetter.

Rainfall Data
McLaughlin
Station #SD5406
Corson County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1978	0.44	2.43	3.34	4.50	2.41	6.32	0.45	15.32	22.61	19.57	28.28	16.40	WET	WET	WET	WET	WET	1978
1980	0.31	1.50	0.86	3.16	0.97	3.82	1.20	5.89	12.70	10.09	16.56	12.21	DRY	NORM	NORM	WET	WET	1980
1981	0.30	0.20	1.86	2.79	5.49	2.99	1.45	6.28	12.29	23.91	22.74	15.82	NORM	NORM	WET	WET	WET	1981
1982	2.62	1.28	6.39	1.52	0.64	1.61	0.15	24.35	18.62	11.35	7.63	4.31	WET	NORM	NORM	NORM	DRY	1982
1983	1.68	0.90	2.66	1.26	1.39	3.51	1.05	11.46	10.00	9.35	14.57	11.56	NORM	NORM	NORM	NORM	NORM	1983
1984	0.96	3.52	0.57	4.27	1.29	0.20	1.33	9.71	17.47	12.98	7.45	5.68	NORM	NORM	NORM	NORM	NORM	1984
1985	1.76	1.16	0.91	1.77	1.92	3.38	1.42	6.81	8.29	10.21	15.75	12.94	NORM	DRY	NORM	NORM	WET	1985
1986	0.00	4.62	4.41	2.22	1.24	1.42	2.12	22.47	20.10	12.57	8.96	10.44	WET	WET	NORM	NORM	NORM	1986
1987	1.55	0.06	5.24	2.08	1.78	1.87	0.65	17.39	16.78	14.74	11.25	7.47	WET	NORM	NORM	NORM	NORM	1987
1988	0.53	0.12	1.95	6.50	0.16	1.33	0.48	6.62	23.52	15.43	10.81	4.26	NORM	WET	NORM	NORM	DRY	1988
1989	2.41	4.51	0.70	0.55	0.97	2.23	1.02	13.53	7.56	4.71	9.18	8.49	NORM	DRY	DRY	NORM	NORM	1989
1990	0.24	0.65	1.26	4.08	2.74	4.01	0.47	5.32	15.41	17.64	21.59	12.17	DRY	NORM	NORM	WET	WET	1990
1991	0.39	2.50	3.92	4.44	1.68	0.75	0.12	17.15	23.66	17.84	10.05	3.54	WET	WET	NORM	NORM	DRY	1991
1992	0.74	0.12	1.09	3.13	2.58	2.11	0.27	4.25	11.69	15.09	14.62	7.61	DRY	NORM	NORM	NORM	NORM	1992
1993	0.09	0.56	1.06	4.08	4.65	1.03	1.42	4.39	14.92	23.17	16.47	10.97	DRY	NORM	WET	WET	NORM	1993
1994	0.52	1.61	0.45	2.66	5.16	1.37	0.72	5.09	10.49	21.25	17.09	10.06	DRY	NORM	WET	WET	NORM	1994
1995	1.40	2.45	4.39	3.13	2.96	1.78	0.43	19.47	20.62	19.53	14.39	7.81	WET	WET	WET	NORM	NORM	1995
1996	1.30	0.87	4.12	2.15	0.86	1.39	4.36	15.40	15.56	11.00	8.04	16.72	WET	NORM	NORM	NORM	WET	1996
1997	1.91	2.17	0.99	2.79	1.15	0.99	1.44	9.22	12.52	10.02	8.06	7.45	NORM	NORM	NORM	NORM	NORM	1997
1998	0.04	0.51	1.27	3.79	2.36	2.89	0.50	4.87	14.42	15.93	17.18	9.64	DRY	NORM	NORM	WET	NORM	1998
1999	0.15	1.27	6.38	4.93	2.03	3.47	2.17	21.83	28.82	22.33	19.40	15.48	WET	WET	WET	WET	WET	1999
2000	2.55	0.90	2.74	3.77	2.11	0.81	0.42	12.57	17.69	16.61	10.42	4.99	NORM	NORM	NORM	NORM	NORM	2000
2001	0.37	2.16	2.70	2.80	6.39	2.64	3.49	12.79	15.96	27.47	23.50	22.14	NORM	NORM	WET	WET	WET	2001
2002	1.15	1.39	0.73	0.90	3.16	2.63	0.40	6.12	5.55	12.01	15.11	9.62	DRY	DRY	NORM	NORM	NORM	2002
2003	0.60	1.85	3.69	3.23	1.79	0.47	1.25	15.37	18.92	15.52	8.22	6.48	WET	NORM	NORM	NORM	NORM	2003
2004	0.45	0.37	2.82	4.65	1.99	0.92	3.99	9.65	19.96	18.09	11.39	15.80	NORM	WET	NORM	NORM	WET	2004
2005	0.55	1.4	3.58	6.55	2.53	2.31	0.57	14.09	28.21	24.27	18.54	8.86	NORM	WET	WET	WET	NORM	2005
2006	0.09	1.67	0.81	0.48	0.62	1.59	2.92	5.86	4.73	3.63	6.49	12.56	DRY	DRY	DRY	DRY	WET	2006
2007	2.86	1.63	5.12	3.06	1.10	6.17	0.95	21.48	21.05	14.54	23.77	16.29	WET	WET	NORM	WET	WET	2007
2008	0.69	0.40	3.74	6.83	2.18	1.83	0.95	12.71	28.37	23.94	16.68	8.69	NORM	WET	WET	WET	NORM	2008
2009	2.83	2.12	1.66	3.06	2.58	2.22	0.52	12.05	14.62	15.52	14.88	8.58	NORM	NORM	NORM	NORM	NORM	2009
2010	0.46	3.01	3.66	2.08	2.50	1.73	3.10	17.46	16.57	15.32	12.27	15.26	WET	NORM	NORM	NORM	WET	2010
2011	0.96	3.75	4.03	5.87	1.03	5.74	0.56	20.55	29.42	18.86	25.15	14.19	WET	WET	WET	WET	WET	2011
2012	0.18	2.41	3.37	3.64	1.52	2.13	0.00	15.11	20.07	15.21	13.07	5.78	NORM	WET	NORM	NORM	NORM	2012
2013	0.61	1.92	9.23	1.89	3.65	1.82	3.13	32.14	26.05	23.96	14.65	16.68	WET	WET	WET	NORM	WET	2013
2014	0.44	2.41	1.57	7.76	0.25	5.72	0.82	9.97	28.83	17.84	25.42	14.15	NORM	WET	NORM	WET	WET	2014
2015	0.10	0.70	6.40	3.71	2.49	3.42	0.36	20.70	24.63	21.29	18.95	10.41	WET	WET	WET	WET	NORM	2015
2016	0.84	4.80	2.11	1.35	4.84	1.65	1.62	16.77	13.07	19.33	15.98	13.00	WET	NORM	WET	WET	WET	2016
2017	0.46	0.84	2.07	2.02	4.01	3.21	1.18	8.35	11.04	18.14	19.67	13.97	NORM	NORM	NORM	WET	WET	2017
2018	1.04	1.45	2.58	3.52	4.12	1.78	2.54	11.68	17.17	21.98	17.10	15.30	NORM	NORM	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.46	1.18	1.43	March	1.18
April	0.73	1.83	2.22	April	1.83
May	1.44	2.57	3.13	May	2.57
June	1.95	3.00	3.61	June	3.00
July	1.23	2.15	2.62	July	2.15
August	0.94	1.91	2.33	August	1.91
Sept.	0.56	1.23	1.51	Sept.	1.23
Jun-MAM	6.24	12.55	15.26		
Jul-JMA	9.46	15.97	19.31		
Aug-JJM	9.03	15.02	18.21		
Sep-AJJ	7.23	13.03	15.84		
Oct-SAJ	4.79	9.66	11.81		

NOTE:
McIntosh 6 SE NWS Station (SD5381) was used for Mar-Jun 1994; Apr 2008.
Mobridge 2 NNW NWS Station (SD053) was used for Mar 1978.

Rainfall Data
Mellette 4 W
Station #SD5456
Spink County, SD

Portion of the table to be used with the PrecipCategories tool.

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	Year
1939	0.02	0.88	2.03	7.20	2.57	0.81	0.98	7.87	26.54	24.14	14.77	7.13	DRY	WET	WET	NORM	DRY	1939
1953	1.43	5.53	2.66	7.27	4.63	3.73	0.31	20.47	32.66	31.09	27.72	13.02	WET	WET	WET	WET	NORM	1953
1957	0.23	3.95	5.39	4.01	2.25	2.33	2.38	24.3	26.76	20.16	15.5	14.05	WET	WET	NORM	NORM	NORM	1957
1958	0.32	2.13	2.06	3.06	1.48	2.02	0.24	10.76	15.43	12.62	12.08	6.24	NORM	NORM	NORM	NORM	DRY	1958
1965	0.91	2.85	6.19	2.63	1.20	1.53	3.98	25.18	23.12	15.05	9.62	16.2	WET	WET	NORM	DRY	NORM	1965
1970	1.49	5.75	3.84	3.87	1.73	0.60	1.61	24.51	25.04	16.77	9.13	7.76	WET	WET	NORM	DRY	NORM	1970
1971	0.02	2.34	2.21	5.53	1.62	1.96	2.22	11.33	23.35	18.13	14.65	12.20	NORM	WET	NORM	NORM	NORM	1971
1974	1.04	1.55	4.88	0.83	1.41	1.16	0.07	18.78	13.8	10.77	7.13	3.94	WET	NORM	DRY	DRY	DRY	1974
1978	0.60	2.98	6.04	3.79	1.81	4.24	0.61	24.68	26.43	19.05	20.13	12.12	WET	WET	NORM	NORM	NORM	1978
1979	2.36	2.79	1.34	4.53	3.83	4.28	0.01	11.96	19.06	21.89	25.03	12.42	NORM	NORM	NORM	WET	NORM	1979
1980	0.81	1.54	2.04	2.98	2.23	5.20	0.52	10.01	14.56	14.69	23.04	14.19	NORM	NORM	NORM	WET	NORM	1980
1981	1.21	1.12	1.61	1.52	3.99	1.22	1.26	8.28	8.90	16.62	13.16	10.21	NORM	DRY	NORM	NORM	NORM	1981
1982	1.93	1.11	4.33	2.01	3.44	1.22	1.56	17.14	15.80	18.67	12.55	10.56	NORM	NORM	NORM	NORM	NORM	1982
1983	3.19	0.98	2.41	6.02	3.76	2.30	2.06	12.38	23.86	25.73	20.44	14.54	NORM	WET	WET	NORM	NORM	1983
1984	1.66	2.80	1.51	8.20	1.38	7.06	0.90	11.79	30.42	22.05	32.14	18.20	NORM	WET	WET	WET	WET	1984
1985	1.93	0.62	2.20	1.85	2.76	6.92	2.65	9.77	10.57	14.18	28.13	24.55	NORM	DRY	NORM	WET	WET	1985
1986	0.65	7.66	4.54	2.81	2.59	3.12	3.53	29.59	25.17	17.93	17.35	19.42	WET	WET	NORM	NORM	WET	1986
1987	2.87	0.40	1.39	1.33	1.37	0.91	2.23	7.84	7.17	8.16	6.80	9.88	DRY	DRY	DRY	DRY	NORM	1987
1988	0.29	0.55	4.63	1.53	0.91	2.86	4.81	15.28	14.40	10.42	11.93	21.06	NORM	NORM	DRY	NORM	WET	1988
1989	1.82	3.06	1.17	2.37	1.19	4.33	2.81	11.45	12.51	9.48	17.74	18.28	NORM	NORM	DRY	NORM	WET	1989
1990	1.21	1.54	1.32	7.00	6.77	4.13	1.41	8.25	25.18	35.63	32.93	19.26	NORM	WET	WET	WET	WET	1990
1991	0.71	5.58	5.82	4.28	2.03	2.95	4.60	29.33	30.06	20.47	17.19	21.73	WET	WET	NORM	NORM	WET	1991
1992	0.69	0.32	0.42	6.13	4.40	2.18	0.88	2.59	19.55	25.88	21.47	11.40	DRY	NORM	WET	NORM	NORM	1992
1993	1.23	2.02	2.36	5.05	8.91	4.25	1.30	12.35	21.89	39.19	35.62	21.31	NORM	WET	WET	WET	WET	1993
1994	0.25	3.37	0.91	1.09	4.52	2.86	2.18	9.72	8.46	16.65	18.71	16.78	NORM	DRY	NORM	NORM	NORM	1994
1995	2.42	3.22	5.65	1.98	3.37	2.05	1.82	25.81	20.46	19.72	14.87	12.93	WET	NORM	NORM	NORM	NORM	1995
1996	0.44	0.13	4.79	1.98	1.56	0.25	5.99	15.07	15.65	13.43	5.85	20.03	NORM	NORM	NORM	DRY	WET	1996
1997	0.69	2.56	2.42	2.02	4.24	3.60	1.55	13.07	13.46	19.18	21.30	16.09	NORM	NORM	NORM	NORM	NORM	1997
1998	1.67	1.93	3.96	4.73	3.25	4.19	0.18	17.41	24.04	23.17	23.80	12.17	WET	WET	WET	WET	NORM	1998
1999	0.89	3.08	2.53	3.06	2.15	2.69	3.11	14.64	17.32	15.10	15.43	16.86	NORM	NORM	NORM	NORM	NORM	1999
2000	1.10	2.17	3.38	4.15	3.33	3.46	0.37	15.58	21.38	21.67	21.19	11.36	NORM	NORM	NORM	NORM	NORM	2000
2001	0.23	3.26	2.36	4.21	2.68	0.25	1.94	13.83	20.61	18.82	10.32	9.00	NORM	NORM	NORM	DRY	NORM	2001
2002	0.65	1.63	1.58	1.74	3.03	4.95	1.04	8.65	10.01	14.15	22.65	16.05	NORM	DRY	NORM	WET	NORM	2002
2003	0.57	2.19	3.41	4.99	1.33	0.55	1.07	15.18	23.98	17.38	9.30	5.64	NORM	WET	NORM	DRY	DRY	2003
2004	2.13	1.11	5.41	3.05	4.48	1.70	3.74	20.58	21.08	24.95	17.11	19.10	WET	NORM	WET	NORM	WET	2004
2005	0.17	0.58	2.6	7.69	1.37	2.56	2.05	9.13	28.85	22.09	18.11	12.64	NORM	WET	WET	NORM	NORM	2005
2006	0.77	1.31	2.60	1.61	0.64	3.82	2.71	11.19	11.34	7.74	14.35	16.41	NORM	NORM	DRY	NORM	NORM	2006
2007	1.83	3.46	11.42	2.50	0.46	4.32	2.79	43.01	33.80	17.80	16.38	17.47	WET	WET	NORM	NORM	NORM	2007
2008	1.42	1.07	1.88	4.64	4.01	1.31	4.04	9.20	18.75	23.19	16.59	18.75	NORM	NORM	WET	NORM	WET	2008
2009	1.43	0.58	1.72	3.03	6.16	1.48	2.27	7.75	13.11	26.26	19.79	15.93	DRY	NORM	WET	NORM	NORM	2009
2010	1.16	2.20	4.17	4.24	4.73	0.89	6.00	18.07	23.26	26.84	16.37	24.51	WET	WET	WET	NORM	WET	2010
2011	1.46	3.05	3.31	3.50	2.47	1.16	0.98	17.49	20.17	17.72	11.92	7.73	WET	NORM	NORM	NORM	NORM	2011
2012	0.72	4.21	1.63	1.48	3.11	2.71	0.00	14.03	11.91	13.92	15.83	8.53	NORM	NORM	NORM	NORM	NORM	2012
2013	0.25	2.17	4.01	3.90	2.11	0.52	1.91	16.62	21.89	18.14	9.68	8.88	NORM	WET	NORM	DRY	NORM	2013
2014	0.59	1.75	2.42	5.50	0.36	2.90	0.90	11.35	23.09	14.50	14.92	8.86	NORM	WET	NORM	NORM	NORM	2014
2015	0.25	0.11	7.66	2.29	5.78	3.01	0.47	23.45	22.30	29.58	22.88	13.21	WET	WET	WET	WET	NORM	2015
2016	0.39	3.20	2.78	1.63	2.56	3.14	1.52	15.13	13.65	13.72	16.17	13.40	NORM	NORM	NORM	NORM	NORM	2016
2017	0.56	1.26	0.85	3.57	2.53	3.16	3.91	5.63	13.67	15.58	18.11	20.58	DRY	NORM	NORM	NORM	WET	2017
2018	1.23	0.71	1.06	2.27	3.58	1.69	2.72	5.83	9.64	16.34	14.50	15.12	DRY	DRY	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.66	1.39	1.69	March	1.39
April	1.08	2.14	2.61	April	2.14
May	1.69	2.82	3.42	May	2.82
June	2.18	3.39	4.08	June	3.39
July	1.69	2.86	3.48	July	2.86
August	1.72	2.94	3.58	August	2.94
Sept.	0.73	1.96	2.37	Sept.	1.96
Jun-MAM	7.89	14.13	17.17		
Jul-JMA	11.00	17.95	21.69		
Aug-JJM	11.12	18.18	22.02		
Sep-AJJ	10.72	17.93	21.78		
Oct-SAJ	7.32	14.62	17.75		

NOTE:
Redfield 2 NE NWS Station (SD7052) was used for Mar-May 1974; Jul 1982.

Stratford 7 SW NWS Station (SD8074) was used for Apr-Sep 2017; Jul-Sep 2018.
Turton NWS Station (SD8420) was used for Mar-Jun 2018.

Rainfall Data Menno Station #SD5481 Hutchinson County, SD								Portion of the table to be used with the PrecipCategories tool.										
	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	Year
1940	2.97	3.17	0.43	5.47	1.52	4.46	0.95	10.60	20.44	15.93	21.89	13.29	NORM	NORM	NORM	WET	NORM	1940
1941	0.66	4.83	1.13	4.38	1.46	0.40	2.00	13.71	20.23	14.27	8.50	8.26	NORM	NORM	NORM	DRY	DRY	1941
1951	2.65	2.24	4.28	5.87	2.93	3.78	2.90	19.97	28.41	24.81	23.07	19.19	NORM	WET	WET	WET	WET	1951
1952	1.50	1.18	2.75	4.86	2.46	2.00	0.92	12.11	21.26	19.85	15.78	9.22	NORM	NORM	NORM	NORM	NORM	1952
1953	1.06	4.29	3.80	4.94	2.41	3.20	1.42	21.04	26.71	20.91	19.36	13.07	WET	WET	NORM	NORM	NORM	1953
1954	1.97	2.07	1.75	8.27	2.27	1.91	1.43	11.36	30.38	25.10	18.54	10.38	NORM	WET	WET	NORM	NORM	1954
1955	0.20	1.06	1.58	3.04	3.71	1.51	1.58	7.06	13.34	18.79	14.99	11.47	DRY	NORM	NORM	NORM	NORM	1955
1956	0.80	2.98	2.42	1.00	2.22	3.19	0.55	14.02	10.82	11.08	15.01	10.25	NORM	DRY	DRY	NORM	NORM	1956
1962	1.97	1.95	5.53	5.91	5.61	6.97	3.92	22.46	30.74	34.18	38.04	31.31	WET	WET	WET	WET	WET	1962
1963	0.96	1.92	1.48	1.81	9.12	0.87	2.89	9.24	10.31	32.46	22.66	19.53	DRY	DRY	WET	WET	WET	1963
1964	1.88	2.96	1.48	2.07	1.75	2.51	4.15	12.24	12.13	10.87	13.10	19.22	NORM	DRY	DRY	NORM	WET	1964
1965	1.26	2.94	4.61	7.60	7.03	3.18	6.23	20.97	34.96	40.90	31.20	32.08	WET	WET	WET	WET	WET	1965
1966	0.69	1.44	2.20	2.33	3.36	4.99	3.10	10.17	12.83	16.94	24.02	22.64	DRY	NORM	NORM	WET	WET	1966
1967	0.10	2.07	1.04	4.24	2.80	2.09	1.63	7.36	16.87	17.92	16.11	11.87	DRY	NORM	NORM	NORM	NORM	1967
1968	0.59	3.72	1.76	4.89	3.73	2.47	4.43	13.31	21.91	22.73	19.76	21.96	NORM	NORM	NORM	NORM	WET	1968
1970	2.35	2.36	2.02	3.00	1.93	0.38	2.37	13.13	15.40	13.81	8.00	9.80	NORM	NORM	NORM	DRY	NORM	1970
1971	0.90	1.65	3.44	6.80	4.01	1.35	2.23	14.52	28.93	29.07	18.87	13.40	NORM	WET	WET	NORM	NORM	1971
1972	0.86	2.56	9.84	3.33	3.30	1.40	1.28	35.50	32.23	26.40	14.13	9.94	WET	WET	WET	NORM	NORM	1972
1973	4.14	1.75	2.59	2.36	1.46	0.91	6.50	15.41	14.01	11.69	8.01	22.78	NORM	NORM	DRY	DRY	WET	1973
1974	0.99	1.14	3.57	3.74	1.75	2.67	0.61	13.98	19.50	16.30	15.25	8.92	NORM	NORM	NORM	NORM	NORM	1974
1975	1.57	3.03	2.36	5.87	1.03	5.60	2.28	14.71	25.36	17.19	24.73	19.07	NORM	WET	NORM	WET	WET	1975
1976	1.87	2.74	2.64	2.88	1.50	1.23	1.62	15.27	16.66	12.90	9.57	8.82	NORM	NORM	NORM	DRY	NORM	1976
1980	0.48	0.99	1.49	1.85	0.86	3.03	0.29	6.93	9.52	7.77	12.66	7.79	DRY	DRY	DRY	NORM	DRY	1980
1981	1.60	0.60	0.89	3.20	3.30	3.74	1.57	5.47	11.98	17.19	21.02	15.49	DRY	DRY	NORM	WET	NORM	1981
1982	0.71	1.11	8.39	3.51	3.27	3.80	2.01	28.10	28.42	25.22	21.45	16.90	WET	WET	WET	WET	NORM	1982
1983	3.52	1.04	2.82	6.29	3.76	0.24	1.18	14.06	25.55	26.68	14.53	7.78	NORM	WET	WET	NORM	DRY	1983
1984	1.21	7.80	3.74	10.70	3.85	0.87	0.85	28.03	47.38	36.69	21.01	8.14	WET	WET	WET	WET	DRY	1984
1985	2.13	4.54	2.88	2.11	1.22	5.26	2.97	19.85	16.63	10.76	20.33	20.65	NORM	NORM	DRY	NORM	WET	1985
1986	1.82	6.32	4.58	4.03	2.18	2.27	7.88	28.20	27.57	19.18	15.20	30.36	WET	WET	NORM	NORM	WET	1986
1987	5.12	0.24	2.61	1.44	6.35	2.35	1.71	13.43	9.78	24.54	21.19	16.18	NORM	DRY	WET	WET	NORM	1987
1988	0.29	2.06	3.38	1.10	2.65	2.53	2.99	14.55	12.12	13.53	13.99	16.68	NORM	DRY	NORM	NORM	NORM	1988
1989	0.89	0.69	2.25	2.68	3.11	1.14	1.23	9.02	13.23	16.94	12.32	9.08	DRY	NORM	NORM	NORM	NORM	1989
1990	0.79	1.94	6.51	2.49	1.69	1.20	0.37	24.20	22.43	16.56	9.47	5.20	WET	NORM	NORM	DRY	DRY	1990
1991	0.76	2.10	4.48	1.87	2.73	1.86	1.69	18.40	16.67	16.41	12.91	11.52	NORM	NORM	NORM	NORM	NORM	1991
1992	1.86	2.20	1.46	1.98	5.89	3.92	2.95	10.64	11.06	23.09	25.52	22.58	NORM	DRY	NORM	WET	WET	1992
1993	1.32	2.09	3.84	4.90	9.40	2.02	2.86	17.02	24.47	41.84	29.76	22.02	NORM	WET	WET	WET	WET	1993
1994	0.13	2.44	1.25	2.93	3.56	1.53	2.31	8.76	13.73	17.79	14.64	13.55	DRY	NORM	NORM	NORM	NORM	1994
1995	4.51	5.69	5.04	0.76	2.32	2.96	3.40	31.01	18.05	13.52	14.28	18.44	WET	NORM	NORM	NORM	WET	1995
1996	0.96	0.65	4.41	2.16	1.45	3.60	3.94	15.49	15.95	13.08	15.86	20.47	NORM	NORM	NORM	NORM	WET	1996
1997	0.32	1.87	4.12	2.73	2.34	1.91	2.16	16.42	18.30	16.60	13.14	12.64	NORM	NORM	NORM	NORM	NORM	1997
1998	2.54	2.69	1.80	6.78	2.21	3.12	0.34	13.32	26.63	21.99	20.56	9.47	NORM	WET	NORM	NORM	NORM	1998
1999	0.60	3.87	4.23	2.64	5.00	1.10	4.27	21.03	20.25	24.51	15.94	20.01	WET	NORM	WET	NORM	WET	1999
2000	0.78	1.85	3.10	3.07	0.86	4.47	0.36	13.78	17.26	11.82	18.20	10.88	NORM	NORM	DRY	NORM	NORM	2000
2001	0.76	5.81	2.44	2.84	4.08	1.28	3.43	19.70	19.21	20.36	14.84	16.93	NORM	NORM	NORM	NORM	NORM	2001
2002	1.26	1.42	2.26	1.09	0.69	6.05	1.32	10.88	9.21	6.51	20.62	16.75	NORM	DRY	DRY	NORM	NORM	2002
2003	0.50	3.16	1.67	4.90	3.22	2.78	3.68	11.83	21.20	21.13	19.68	19.82	NORM	NORM	NORM	NORM	WET	2003
2004	1.86	1.09	4.04	3.48	2.40	2.16	5.42	16.16	19.61	18.20	14.76	22.98	NORM	NORM	NORM	NORM	WET	2004
2005	1.00	3.07	4.70	4.26	1.86	0.38	3.58	21.24	25.25	18.80	9.12	13.36	WET	WET	NORM	DRY	NORM	2005
2006	1.93	4.23	0.90	1.56	0.26	3.35	6.62	13.09	10.71	4.80	12.13	26.82	NORM	DRY	DRY	NORM	WET	2006
2007	2.42	2.67	4.66	5.25	0.03	8.70	2.75	21.74	27.74	15.25	31.41	25.68	WET	WET	NORM	WET	WET	2007
2008	1.27	2.35	4.35	3.97	3.66	0.81	2.51											

Rainfall Data
Midland
Station #SD5506
Haakon County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1949	0.81	1.27	1.69	1.60	1.13	2.85	0.51	8.42	9.45	8.28	12.41	8.36	NORM	DRY	DRY	NORM	NORM	1949
1968	0.23	3.39	1.43	5.57	0.86	2.59	0.58	11.30	22.96	15.15	15.06	7.78	NORM	WET	NORM	NORM	NORM	1968
1969	0.29	0.39	1.36	3.04	4.09	0.66	0.47	5.15	12.23	19.71	13.20	6.82	DRY	NORM	WET	NORM	NORM	1969
1970	0.76	4.23	1.28	0.87	1.62	1.11	2.00	13.06	9.40	7.88	7.44	9.84	NORM	DRY	DRY	DRY	NORM	1970
1980	0.72	0.52	0.43	2.87	1.27	2.81	0.53	3.05	9.99	9.98	13.84	8.48	DRY	DRY	NORM	NORM	NORM	1980
1981	0.89	0.26	3.87	3.46	3.99	2.75	0.41	13.02	18.38	22.76	19.69	10.72	NORM	NORM	WET	WET	NORM	1981
1982	2.33	0.81	6.27	4.14	4.30	3.26	1.81	22.76	25.77	27.45	22.52	16.25	WET	WET	WET	WET	WET	1982
1983	1.27	0.79	3.04	3.30	1.66	1.36	0.34	11.97	16.77	14.62	10.70	5.40	NORM	NORM	NORM	NORM	NORM	1983
1984	1.00	2.35	2.52	4.58	3.23	1.93	0.66	13.26	21.13	21.37	16.83	9.07	NORM	WET	WET	WET	NORM	1984
1985	1.89	0.66	1.44	3.11	1.84	1.68	1.11	7.53	12.87	13.18	11.83	8.53	DRY	NORM	NORM	NORM	NORM	1985
1986	2.10	6.44	2.26	3.92	1.71	0.40	5.13	21.76	22.72	15.23	8.54	17.90	WET	WET	NORM	NORM	WET	1986
1987	2.85	0.00	4.01	1.95	1.90	2.61	0.52	14.88	13.87	13.61	13.58	8.68	NORM	NORM	NORM	NORM	NORM	1987
1988	2.19	0.35	3.11	4.76	0.74	0.69	1.75	12.22	20.85	14.85	8.31	7.37	NORM	WET	NORM	NORM	NORM	1988
1989	2.03	2.46	0.51	0.32	1.54	3.92	3.68	8.48	4.44	5.77	15.16	20.42	NORM	DRY	DRY	NORM	WET	1989
1990	1.32	1.30	3.00	2.47	3.95	0.98	1.35	12.92	14.71	19.79	13.31	9.96	NORM	NORM	WET	NORM	NORM	1990
1991	0.50	2.51	4.19	5.10	1.11	1.87	1.05	18.09	26.19	17.72	12.93	8.00	WET	WET	NORM	NORM	NORM	1991
1992	1.07	0.12	0.98	3.26	5.45	2.59	0.32	4.25	11.86	23.85	21.93	11.59	DRY	NORM	WET	WET	WET	1992
1993	0.94	2.89	2.73	5.06	5.13	1.44	1.56	14.91	23.53	28.24	19.64	12.69	NORM	WET	WET	WET	WET	1993
1994	0.00	1.37	1.85	1.80	3.04	3.01	0.50	8.29	10.47	14.57	16.91	10.56	NORM	NORM	NORM	WET	NORM	1994
1995	0.99	2.34	4.98	4.86	2.47	0.00	0.38	20.61	26.88	22.11	9.80	3.61	WET	WET	WET	NORM	DRY	1995
1996	0.16	0.00	5.86	2.59	1.05	0.68	3.63	17.74	19.49	14.19	6.73	13.30	WET	NORM	NORM	DRY	WET	1996
1997	0.22	1.48	4.03	4.84	5.24	1.15	0.62	15.27	24.06	29.43	18.77	9.40	NORM	WET	WET	WET	NORM	1997
1998	2.03	0.75	2.36	5.31	3.30	1.58	0.30	10.61	21.40	22.88	16.65	7.36	NORM	WET	WET	WET	NORM	1998
1999	0.58	3.17	2.08	5.44	1.75	3.33	2.85	13.16	23.65	18.21	18.93	16.96	NORM	WET	NORM	WET	WET	1999
2000	1.65	3.57	1.25	2.44	0.76	0.20	0.13	12.54	13.39	8.41	4.56	1.55	NORM	NORM	DRY	DRY	DRY	2000
2001	0.05	2.04	3.31	4.77	4.74	0.30	1.87	14.06	22.97	27.07	15.15	10.95	NORM	WET	WET	NORM	NORM	2001
2002	1.00	0.90	1.17	0.62	0.72	1.48	2.48	6.31	5.10	4.57	6.50	11.12	DRY	DRY	DRY	DRY	NORM	2002
2003	0.41	3.65	2.95	2.47	0.79	0.50	0.85	16.56	16.96	10.26	5.55	4.34	WET	NORM	NORM	DRY	DRY	2003
2004	1.47	0.53	3.31	2.01	1.53	1.30	4.25	12.46	13.18	11.92	8.97	16.88	NORM	NORM	NORM	NORM	WET	2004
2005	1.07	2.9	3.97	2.66	1.06	0.97	0.1	18.78	18.82	12.47	7.69	3.30	WET	NORM	NORM	NORM	DRY	2005
2006	2.21	1.48	0.80	1.22	1.10	1.36	2.45	7.57	6.74	6.54	7.50	11.17	NORM	DRY	DRY	DRY	NORM	2006
2007	2.18	0.70	3.98	1.90	0.00	2.48	1.30	15.52	14.36	7.78	9.34	8.86	NORM	NORM	DRY	NORM	NORM	2007
2008	0.50	0.85	6.20	4.85	2.27	0.48	1.68	20.80	27.80	22.71	10.83	8.27	WET	WET	WET	NORM	NORM	2008
2009	0.60	1.40	0.26	2.24	3.70	2.03	0.65	4.18	8.64	15.84	15.73	9.71	DRY	DRY	NORM	NORM	NORM	2009
2010	1.30	2.07	2.82	2.52	3.37	0.89	1.55	13.90	15.27	17.97	11.93	9.80	NORM	NORM	NORM	NORM	NORM	2010
2011	0.36	1.57	4.59	4.57	1.50	1.09	0.74	17.27	24.46	18.23	10.84	5.90	WET	WET	NORM	NORM	NORM	2011
2012	0.03	1.89	1.23	1.26	0.46	0.40	0.22	7.50	8.13	5.13	3.38	1.92	DRY	DRY	DRY	DRY	DRY	2012
2013	0.40	1.96	2.38	1.90	1.69	1.26	0.58	11.46	12.42	11.25	9.06	5.95	NORM	NORM	NORM	NORM	NORM	2013
2014	0.54	1.42	2.38	4.00	0.11	4.50	2.27	10.52	18.18	10.71	17.72	15.92	NORM	NORM	NORM	WET	WET	2014
2015	0.09	0.34	6.44	6.32	0.62	2.90	0.50	20.09	32.18	20.94	16.26	7.92	WET	WET	WET	WET	NORM	2015
2016	0.71	3.96	1.37	0.72	1.72	2.85	0.23	12.74	8.86	7.97	12.71	8.11	NORM	DRY	DRY	NORM	NORM	2016
2017	0.80	1.76	1.21	2.07	0.59	0.36	1.03	7.95	10.39	7.12	4.33	4.40	NORM	NORM	DRY	DRY	DRY	2017
2018	1.72	1.26	2.56	2.93	0.10	1.73	0.87	11.92	15.17	8.72	8.32	6.17	NORM	NORM	DRY	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.6	1.27	1.57	March	1.27
April	0.84	1.86	2.32	April	1.86
May	1.76	2.77	3.34	May	2.77
June	1.96	3.17	3.84	June	3.17
July	1.43	2.36	2.86	July	2.36
August	0.92	1.71	2.11	August	1.71
Sept.	0.42	1.26	1.50	Sept.	1.26

Jun-MAM	7.56	13.30	16.23
Jul-JMA	10.24	16.91	20.52
Aug-JJM	9.97	16.19	19.60
Sep-AJJ	7.58	13.02	15.89
Oct-SAJ	4.53	9.56	11.58

Note:
Midland NWS Station (SD5506) has not collected data as of 2011.
Philip 2 N and 1 S NWS Station (SD5506) was used for Apr, May 1986; Mar 1988; Mar 1990; Aug 1994; Apr 1995.
Philip AP NWS Station (SD6552/SD024) was used for Aug 2002; Aug 2009; 2011-2018.

Rainfall Data
Milbank 2 SSW
Station #SD5536
Grant County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1939	0.28	0.84	3.50	6.31	3.51	4.03	1.05	12.46	26.77	26.65	25.42	14.72	NORM	WET	WET	WET	NORM	1939
1951	2.28	1.54	1.33	4.13	3.30	4.13	0.57	9.35	16.59	19.49	23.12	13.27	NORM	NORM	NORM	WET	NORM	1951
1952	1.11	0.57	1.38	6.65	0.93	2.30	0.80	6.39	23.28	17.47	15.41	7.93	DRY	WET	NORM	NORM	DRY	1952
1953	1.07	4.02	2.52	9.94	2.71	2.01	0.14	16.67	38.88	30.53	21.39	7.15	WET	WET	WET	NORM	DRY	1953
1958	0.40	2.74	1.90	2.82	2.85	1.21	1.08	11.58	15.00	16.09	12.15	8.51	NORM	NORM	NORM	NORM	DRY	1958
1965	0.64	3.18	6.60	3.24	2.37	1.29	4.70	26.80	26.10	20.19	11.85	19.05	WET	WET	NORM	NORM	WET	1965
1971	0.04	1.13	1.31	7.55	2.02	2.59	0.97	6.23	26.40	22.47	19.36	10.11	DRY	WET	NORM	NORM	NORM	1971
1974	0.34	2.79	2.21	1.95	1.72	3.30	0.80	12.55	13.06	11.27	15.29	10.72	NORM	NORM	DRY	NORM	NORM	1974
1978	0.16	3.77	3.77	2.75	4.06	3.21	1.85	19.01	19.56	21.45	20.50	16.03	WET	NORM	NORM	NORM	NORM	1978
1979	1.68	2.41	1.63	4.94	2.06	1.87	0.19	11.39	20.49	17.69	14.67	6.37	NORM	NORM	NORM	NORM	DRY	1979
1980	0.49	0.24	1.56	6.74	2.81	3.68	0.85	5.65	23.58	23.47	23.40	12.72	DRY	WET	NORM	WET	NORM	1980
1981	0.83	1.19	1.48	3.93	4.67	2.04	0.57	7.65	15.94	23.35	19.39	10.46	NORM	NORM	NORM	NORM	NORM	1981
1982	0.03	0.11	3.27	0.85	3.65	1.30	2.28	10.06	9.20	15.92	12.05	13.09	NORM	DRY	NORM	NORM	NORM	1982
1983	0.70	0.14	1.19	2.65	2.72	3.85	2.89	4.55	10.47	14.65	19.64	19.09	DRY	NORM	NORM	NORM	WET	1983
1984	1.62	3.21	1.16	7.89	1.46	2.57	1.71	11.52	29.20	21.32	18.52	11.73	NORM	WET	NORM	NORM	NORM	1984
1985	3.93	1.81	2.26	1.45	1.86	3.33	3.46	14.33	10.68	10.74	15.16	18.90	NORM	NORM	DRY	NORM	WET	1985
1986	1.64	6.24	3.13	2.39	5.60	2.06	4.23	23.51	19.67	24.71	19.77	22.41	WET	NORM	WET	NORM	WET	1986
1987	1.53	0.77	1.79	0.34	4.06	2.37	2.66	8.44	5.37	14.65	15.57	16.78	NORM	DRY	NORM	NORM	NORM	1987
1988	1.43	0.24	2.64	1.54	1.46	5.09	2.16	9.83	10.14	10.10	19.73	18.12	NORM	NORM	DRY	NORM	WET	1988
1989	2.01	4.03	0.70	1.35	3.69	4.62	1.39	12.17	9.48	14.47	22.59	17.10	NORM	DRY	NORM	WET	NORM	1989
1990	1.35	1.42	2.32	5.14	3.48	4.98	2.75	11.15	21.48	23.04	27.04	21.69	NORM	WET	NORM	WET	WET	1990
1991	1.88	4.16	5.04	5.68	4.81	3.79	0.98	25.32	31.28	30.83	26.67	15.33	WET	WET	WET	WET	NORM	1991
1992	1.44	2.53	1.13	6.74	5.74	0.96	1.48	9.89	25.01	31.83	21.10	12.10	NORM	WET	WET	NORM	NORM	1992
1993	0.89	2.59	2.94	6.01	6.83	2.41	2.45	14.89	26.50	35.45	26.90	19.00	NORM	WET	WET	WET	WET	1993
1994	0.49	4.16	0.99	3.32	7.58	2.88	1.87	11.78	16.10	30.37	27.12	18.95	NORM	NORM	WET	WET	WET	1994
1995	2.68	3.03	3.96	1.62	7.19	6.07	2.80	20.62	15.81	28.77	34.21	27.73	WET	NORM	WET	WET	WET	1995
1996	0.14	0.08	4.15	2.03	3.77	0.95	2.90	12.75	14.47	19.52	12.42	14.37	NORM	NORM	NORM	NORM	NORM	1996
1997	1.38	2.61	1.43	0.89	3.69	3.63	0.94	10.89	8.14	14.28	19.16	13.77	NORM	DRY	NORM	NORM	NORM	1997
1998	1.18	3.34	3.54	3.28	2.50	3.14	0.03	18.48	20.26	17.60	17.70	8.87	WET	NORM	NORM	NORM	NORM	1998
1999	0.93	2.04	2.93	5.00	3.21	2.47	2.76	13.80	22.90	22.56	18.83	16.43	NORM	WET	NORM	NORM	NORM	1999
2000	0.60	1.44	3.48	3.21	4.67	0.71	1.54	13.92	18.03	23.91	14.68	10.71	NORM	NORM	NORM	NORM	NORM	2000
2001	0.16	6.72	3.72	5.49	2.22	0.26	3.30	24.76	30.63	21.36	10.71	12.64	WET	WET	NORM	DRY	NORM	2001
2002	0.54	1.84	2.82	2.99	2.70	3.27	0.98	12.68	16.45	16.90	18.20	12.18	NORM	NORM	NORM	NORM	NORM	2002
2003	0.21	3.50	3.85	1.64	2.41	0.79	1.45	18.76	16.12	14.36	8.83	8.34	WET	NORM	NORM	DRY	DRY	2003
2004	0.71	1.62	4.67	3.53	4.08	1.26	6.29	17.96	21.55	23.97	15.47	25.47	WET	WET	WET	NORM	WET	2004
2005	0.00	1.6	2.65	5.23	1.49	2.35	2.88	11.15	22.59	17.58	15.26	14.83	NORM	WET	NORM	NORM	NORM	2005
2006	1.60	4.05	1.90	2.63	0.22	1.85	5.08	15.40	15.74	7.82	8.62	19.16	NORM	NORM	DRY	DRY	WET	2006
2007	2.30	6.76	2.02	6.20	4.32	4.05	3.70	21.88	29.40	27.38	26.99	23.52	WET	WET	WET	WET	WET	2007
2008	1.30	3.44	2.76	5.89	5.13	2.15	2.83	16.46	26.63	29.93	22.60	17.92	WET	WET	WET	WET	WET	2008
2009	2.25	1.41	0.70	2.36	2.93	6.44	1.09	7.17	9.89	14.21	27.54	19.08	NORM	NORM	NORM	WET	WET	2009
2010	1.00	1.34	2.57	3.78	2.87	4.90	5.10	11.39	17.82	18.74	24.22	27.97	NORM	NORM	NORM	WET	WET	2010
2011	1.70	1.32	4.75	5.47	6.94	1.81	0.35	18.59	27.23	36.51	24.78	11.61	WET	WET	WET	WET	NORM	2011
2012	1.34	4.03	2.65	5.13	0.67	1.69	0.11	17.35	24.72	14.92	11.54	4.38	WET	WET	NORM	NORM	DRY	2012
2013	1.42	1.80	3.07	5.68	1.49	0.77	2.77	14.23	24.98	18.90	10.97	11.34	NORM	WET	NORM	DRY	NORM	2013
2014	0.56	3.08	3.38	10.50	0.79	4.93	0.78	16.86	41.34	26.75	26.87	12.99	WET	WET	WET	WET	NORM	2014
2015	0.57	0.57	4.56	1.83	4.88	4.57	0.36	15.39	15.18	22.86	25.30	15.10	NORM	NORM	NORM	WET	NORM	2015
2016	0.47	2.91	1.54	1.45	7.67	5.44	2.10	10.91	10.34	27.45	33.11	24.85	NORM	NORM	WET	WET	WET	2016
2017	0.17	2.37	3.24	3.19	2.86	8.62	4.03	14.63	18.42	18.20	34.77	32.19	NORM	NORM	NORM	WET	WET	2017
2018	0.86	0.87	1.13	3.16	3.92	1.43	2.71	5.99	12.61	19.21	15.29	14.91	DRY	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.56	1.36	1.65	March	1.36
April	0.90	2.16	2.62	April	2.16
May	1.46	2.47	2.99	May	2.47
June	1.94	3.46	4.22	June	3.46
July	2.03	3.44	4.17	July	3.44
August	1.75	2.64	3.17	August	2.64
Sept.	1.08	1.91	2.32	Sept.	1.91
Jun-MAM	6.74	13.09	15.86		
Jul-JMA	9.64	17.48	21.26		
Aug-JJM	11.43	19.71	23.94		
Sep-AJJ	11.25	18.26	22.07		
Oct-SAJ	8.77	14.45	17.47		

NOTE:
Milbank 2 SSW NWS Station (SD5536) has not collected data as of Sept 2009.
Milbank NWS Station (SD5531) was used for Sep 2009; 2010-2018.
Wilmot 1 ENE NWS Station (SD9337) was used for May, Jun 1982; Jun-Sep 1983; Apr-Jul 1985; Jul 1996; 1997-1998.

Rainfall Data
Milesville 5 NE
Station #SD5544
Haakon County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.47	1.12	0.69	2.86	1.27	2.73	0.41	4.78	11.08	10.22	13.59	7.96	DRY	NORM	NORM	NORM	NORM	1980
1981	0.28	0.13	3.47	2.67	4.25	4.47	0.84	10.95	15.08	21.56	24.58	15.71	NORM	NORM	NORM	WET	WET	1981
1982	2.44	0.66	9.87	1.75	3.26	4.70	1.66	33.37	25.65	23.15	22.37	17.64	WET	WET	WET	WET	WET	1982
1983	1.76	1.34	4.37	3.80	1.39	2.11	0.74	17.55	21.48	16.14	12.91	7.83	NORM	NORM	NORM	NORM	NORM	1983
1984	0.73	2.34	3.06	6.30	1.32	1.61	0.82	14.59	27.36	19.62	13.77	7.00	NORM	WET	NORM	NORM	NORM	1984
1985	1.04	0.76	1.48	1.81	2.35	1.76	1.46	7.00	9.15	12.15	11.79	10.25	DRY	DRY	NORM	NORM	NORM	1985
1986	1.37	5.72	3.67	4.34	5.37	2.29	3.23	23.82	26.08	28.46	21.95	19.64	WET	WET	WET	WET	WET	1986
1987	3.67	0.19	3.70	1.63	7.66	4.39	0.41	15.15	12.48	29.94	30.12	17.67	NORM	NORM	WET	WET	WET	1987
1988	0.55	0.80	3.28	5.90	0.35	1.40	1.02	11.99	25.06	16.13	10.80	6.21	NORM	WET	NORM	NORM	NORM	1988
1989	1.54	2.55	0.83	1.73	1.98	1.03	3.34	9.13	9.40	10.23	8.78	14.06	NORM	DRY	NORM	NORM	WET	1989
1990	0.77	1.25	1.38	2.91	0.64	3.17	0.80	7.41	12.74	9.12	13.70	9.38	DRY	NORM	DRY	NORM	NORM	1990
1991	1.21	2.28	7.49	2.16	0.79	1.22	0.39	28.24	23.74	14.18	7.40	4.40	WET	WET	NORM	DRY	DRY	1991
1992	0.97	0.26	1.56	6.20	6.98	3.29	0.50	6.17	21.98	34.90	30.03	15.06	DRY	WET	WET	WET	WET	1992
1993	1.90	2.18	5.25	3.52	8.36	0.36	1.96	22.01	23.24	37.37	21.32	14.96	WET	WET	WET	WET	WET	1993
1994	0.21	1.41	0.67	6.39	3.11	0.52	0.63	5.04	21.92	22.78	14.17	6.04	DRY	WET	WET	NORM	NORM	1994
1995	1.28	2.88	4.34	4.20	4.63	0.13	1.17	20.06	24.16	26.63	13.85	8.40	WET	WET	WET	NORM	NORM	1995
1996	0.77	0.97	5.91	1.12	1.69	1.21	4.79	20.44	16.15	13.22	8.13	18.48	WET	NORM	NORM	NORM	WET	1996
1997	0.27	3.59	4.61	1.83	5.56	2.07	0.51	21.28	18.30	24.95	19.16	11.23	WET	NORM	WET	WET	NORM	1997
1998	1.93	0.45	2.33	4.95	1.55	2.96	0.36	9.82	19.96	16.88	16.93	8.55	NORM	NORM	NORM	NORM	NORM	1998
1999	0.28	3.28	2.58	4.16	2.75	2.13	1.67	14.58	20.92	19.15	16.05	12.02	NORM	NORM	NORM	NORM	NORM	1999
2000	2.51	6.09	2.76	3.21	2.10	0.07	0.96	22.97	21.24	15.48	7.62	5.12	WET	NORM	NORM	NORM	NORM	2000
2001	0.24	2.05	2.42	1.98	7.11	0.55	0.96	11.60	12.83	27.71	17.85	11.09	NORM	NORM	WET	NORM	NORM	2001
2002	1.12	1.60	1.09	0.67	1.15	1.73	2.04	7.59	5.79	5.88	8.16	10.73	DRY	DRY	DRY	NORM	NORM	2002
2003	1.20	2.37	1.47	2.39	0.92	0.19	1.25	10.35	12.48	9.01	4.80	5.05	NORM	NORM	DRY	DRY	NORM	2003
2004	1.42	1.20	3.30	3.85	2.08	2.30	3.63	13.72	19.35	17.24	14.91	17.57	NORM	NORM	NORM	NORM	WET	2004
2005	1.00	2.35	5.54	4.24	0.78	1.74	1.05	22.32	26.15	16.36	11.02	7.41	WET	WET	NORM	NORM	NORM	2005
2006	1.77	1.59	1.08	1.53	0.90	2.42	3.47	8.19	8.34	6.84	10.59	16.15	DRY	DRY	DRY	NORM	WET	2006
2007	2.37	1.11	3.20	5.30	1.05	1.47	0.91	14.19	23.41	16.95	11.81	6.72	NORM	WET	NORM	NORM	NORM	2007
2008	0.62	0.99	7.13	8.67	4.84	1.84	1.48	23.99	41.26	38.99	23.87	12.96	WET	WET	WET	WET	NORM	2008
2009	2.83	1.13	0.59	1.70	5.52	1.98	0.45	6.86	7.41	20.55	18.68	10.83	DRY	DRY	NORM	WET	NORM	2009
2010	1.73	1.77	3.62	6.56	2.84	1.23	3.67	16.13	28.69	25.26	15.93	16.31	NORM	WET	WET	NORM	WET	2010
2011	0.56	2.74	3.57	4.93	1.91	2.70	0.93	16.75	24.67	19.16	16.85	10.10	NORM	WET	NORM	NORM	NORM	2011
2012	0.08	1.66	1.62	3.21	1.05	0.68	0.05	8.26	14.53	11.19	7.35	2.56	DRY	NORM	NORM	DRY	DRY	2012
2013	0.27	2.17	3.84	1.59	1.20	5.14	0.57	16.13	14.62	10.62	19.41	13.19	NORM	NORM	NORM	WET	WET	2013
2014	0.98	1.69	2.65	4.39	0.59	3.59	1.45	12.31	20.16	13.20	16.34	12.12	NORM	NORM	NORM	NORM	NORM	2014
2015	0.16	0.38	7.40	4.62	1.12	1.68	0.80	23.12	29.04	20.00	11.90	6.88	WET	WET	NORM	NORM	NORM	2015
2016	1.35	4.82	1.70	1.71	3.30	2.72	0.70	16.09	13.35	15.02	16.47	10.84	NORM	NORM	NORM	NORM	NORM	2016
2017	1.02	1.89	1.40	1.48	0.89	1.95	1.47	9.00	9.13	7.03	9.11	9.20	NORM	DRY	DRY	NORM	NORM	2017
2018	1.63	1.69	2.95	3.65	0.27	1.18	1.05	13.86	18.54	11.06	7.73	5.78	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.6	1.23	1.50	March	1.23
April	0.92	1.95	2.39	April	1.95
May	2.00	3.43	4.17	May	3.43
June	2.05	3.09	3.71	June	3.09
July	1.37	2.92	3.57	July	2.92
August	0.91	1.97	2.40	August	1.97
Sept.	0.48	1.32	1.59	Sept.	1.32
Jun-MAM	8.44	15.42	18.79		
Jul-JMA	11.07	18.08	21.86		
Aug-JJM	10.21	18.37	22.30		
Sep-AJJ	7.52	14.84	18.05		
Oct-SAJ	4.63	10.82	13.14		

Rainfall Data
Miller
Station #SD5561
Hand County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1939	0.08	0.53	2.93	8.66	1.86	0.46	0.61	9.93	32.37	25.83	13.76	4.61	NORM	WET	WET	NORM	DRY	1939
1947	0.67	2.65	0.80	6.61	0.21	1.26	1.23	8.37	24.08	14.65	10.81	6.42	NORM	WET	NORM	NORM	NORM	1947
1948	0.30	2.31	0.97	3.84	4.61	2.32	0.35	7.83	15.77	22.48	20.02	10.30	NORM	NORM	WET	WET	NORM	1948
1952	0.55	0.14	1.57	3.02	1.91	2.07	0.00	5.54	12.34	13.34	13.05	6.05	DRY	NORM	NORM	NORM	NORM	1952
1953	1.06	4.99	2.24	4.72	1.93	1.25	0.07	17.76	23.63	17.47	12.33	4.64	NORM	WET	NORM	NORM	DRY	1953
1957	0.55	5.59	5.59	4.16	3.15	2.59	1.49	28.50	29.25	23.36	18.23	12.80	WET	WET	WET	WET	NORM	1957
1964	0.89	2.95	4.24	2.40	1.89	1.60	0.47	19.51	18.63	14.71	10.98	6.50	WET	NORM	NORM	NORM	NORM	1964
1965	1.15	2.28	3.82	3.07	1.06	0.75	4.71	17.17	19.13	13.14	7.44	16.69	NORM	NORM	NORM	DRY	WET	1965
1970	1.05	3.47	2.45	3.32	3.69	1.33	0.41	15.34	18.33	20.16	14.69	7.58	NORM	NORM	NORM	NORM	NORM	1970
1978	0.32	3.54	4.78	1.57	2.35	2.82	0.44	21.74	17.81	14.97	14.73	9.31	WET	NORM	NORM	NORM	NORM	1978
1979	2.01	2.38	2.08	2.16	3.85	3.33	0.00	13.01	13.02	17.95	19.85	10.51	NORM	NORM	NORM	WET	NORM	1979
1980	0.46	1.28	1.78	4.00	2.90	2.47	0.21	8.36	16.84	18.48	17.21	8.47	NORM	NORM	NORM	WET	NORM	1980
1981	1.96	0.81	1.37	2.55	2.70	3.45	0.42	7.69	11.20	14.57	18.30	10.86	DRY	NORM	NORM	WET	NORM	1981
1982	1.98	0.94	5.98	0.80	3.64	2.04	2.10	21.80	15.30	18.50	14.20	14.02	WET	NORM	NORM	NORM	NORM	1982
1983	2.75	0.98	2.77	4.91	2.58	0.48	2.56	13.02	21.25	20.33	11.51	11.22	NORM	WET	NORM	NORM	NORM	1983
1984	1.51	2.70	2.25	5.66	1.72	2.81	0.98	13.66	24.18	18.73	17.53	10.28	NORM	WET	NORM	WET	NORM	1984
1985	0.38	0.27	1.63	2.30	4.40	3.36	5.02	5.81	10.43	19.43	21.18	26.18	DRY	NORM	NORM	WET	WET	1985
1986	1.88	6.37	2.43	4.42	2.51	1.32	4.21	21.91	24.49	18.80	13.40	17.78	DRY	WET	NORM	NORM	WET	1986
1987	2.31	0.73	1.27	0.73	1.00	1.36	1.60	7.58	5.46	5.73	6.81	8.52	WET	DRY	DRY	DRY	NORM	1987
1988	0.55	1.53	4.57	1.39	2.19	1.49	2.70	17.32	14.84	13.92	10.24	13.27	NORM	NORM	NORM	NORM	NORM	1988
1989	0.83	1.46	0.64	0.65	1.30	1.44	3.80	5.67	4.69	5.84	7.57	15.58	DRY	DRY	DRY	DRY	WET	1989
1990	0.59	2.18	1.98	6.18	1.93	2.24	0.52	10.89	24.68	20.13	16.76	7.97	NORM	WET	NORM	NORM	NORM	1990
1991	0.58	5.16	6.10	3.51	1.98	3.35	2.11	29.20	27.89	19.06	17.52	15.01	WET	WET	NORM	WET	WET	1991
1992	0.79	0.64	0.21	5.71	5.81	2.92	1.95	2.70	18.19	29.06	26.09	17.50	DRY	NORM	WET	WET	WET	1992
1993	1.00	2.24	3.86	5.25	5.69	1.23	1.36	17.06	25.71	31.43	20.32	12.23	NORM	WET	WET	WET	NORM	1993
1994	0.16	2.36	0.43	4.34	4.51	1.74	0.58	6.17	16.24	22.64	18.58	9.73	DRY	NORM	WET	WET	NORM	1994
1995	2.53	3.33	6.67	1.99	1.40	1.44	3.88	29.20	22.64	14.85	9.11	15.92	WET	WET	NORM	NORM	WET	1995
1996	1.00	0.22	6.64	1.44	3.18	0.45	6.46	21.36	17.82	19.06	9.15	23.46	WET	NORM	NORM	NORM	WET	1996
1997	0.38	2.67	2.70	4.09	5.92	1.63	1.99	13.82	20.34	28.64	20.82	15.15	NORM	NORM	WET	WET	WET	1997
1998	1.73	2.46	5.28	3.87	1.79	4.21	0.04	22.49	24.63	18.39	20.08	10.33	WET	WET	NORM	WET	NORM	1998
1999	0.79	3.04	4.36	3.59	1.35	1.56	2.22	19.95	22.53	15.59	10.97	11.13	WET	WET	NORM	NORM	NORM	1999
2000	0.66	2.92	4.38	2.21	3.41	2.09	0.12	19.64	18.31	19.03	15.30	7.95	WET	NORM	NORM	NORM	NORM	2000
2001	0.12	4.10	2.78	2.50	2.64	1.35	1.99	16.66	17.16	15.70	11.83	11.31	NORM	NORM	NORM	NORM	NORM	2001
2002	0.44	1.47	0.72	1.62	2.39	3.06	1.04	5.54	7.77	11.13	15.58	11.63	DRY	DRY	NORM	NORM	NORM	2002
2003	0.47	1.80	2.26	3.32	2.24	2.09	1.54	10.85	16.28	15.62	14.07	11.04	NORM	NORM	NORM	NORM	NORM	2003
2004	2.66	0.99	3.06	4.41	4.66	2.98	4.50	13.82	20.34	25.86	22.67	24.12	NORM	NORM	WET	WET	WET	2004
2005	0.2	1.17	2.87	7.83	1.73	3.75	2.37	11.15	30.40	23.72	22.54	16.34	NORM	WET	WET	WET	WET	2005
2006	1.06	1.05	0.41	1.00	0.31	3.36	2.81	4.39	4.87	3.34	11.70	15.46	DRY	DRY	DRY	NORM	WET	2006
2007	1.29	2.54	5.51	3.29	0.21	8.55	1.04	22.90	23.43	12.72	29.36	20.43	WET	WET	NORM	WET	WET	2007
2008	1.27	1.44	2.51	3.95	4.61	1.16	2.83	11.68	18.31	24.24	16.65	15.42	NORM	NORM	WET	NORM	WET	2008
2009	2.61	0.56	1.09	2.20	3.05	2.82	1.23	7.00	9.34	14.64	16.76	12.38	DRY	DRY	NORM	NORM	NORM	2009
2010	1.43	2.91	5.67	5.04	4.53	1.47	5.18	24.26	29.37	29.34	18.51	23.01	WET	WET	WET	WET	WET	2010
2011	1.14	2.82	5.36	6.98	2.68	3.01	1.14	22.86	34.48	27.36	21.37	12.12	WET	WET	WET	WET	NORM	2011
2012	0.56	4.60	2.83	1.65	2.31	0.81	0.16	18.25	15.21	13.06	8.70	4.41	NORM	NORM	NORM	NORM	DRY	2012
2013	0.47	2.22	7.49	5.28	1.24	1.32	1.06	27.38	33.04	21.77	11.72	7.06	WET	WET	WET	NORM	NORM	2013
2014	0.19	1.78	2.01	6.62	0.83	3.30	0.73	9.78	25.66	17.74	18.18	9.62	NORM	WET	NORM	WET	NORM	2014
2015	0.19	0.47	6.61	4.59	5.49	2.89	0.73	20.96	27.46	32.26	24.24	13.46	WET	WET	WET	WET	NORM	2015
2016	0.58	4.73	3.87	2.16	1.27	2.16	2.29	21.65	18.95	12.00	11.18	12.46	WET	NORM	NORM	NORM	NORM	2016
2017	1.18	1.15	1.14	2.87	2.63	2.72	3.75	6.90	12.04	14.77	16.29	19.32	DRY	NORM	NORM	NORM	WET	2017
2018	1.37	2.14	1.61	6.76	4.25	2.97	2.91	10.48	25.64	27.88	24.17	18.92	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.55	1.29	1.57	March	1.29
April	1.17	2.11	2.58	April	2.11
May	1.62	3.14	3.84	May	3.14
June	1.71	2.90	3.52	June	2.90
July	1.61	2.60	3.18	July	2.60
August	1.20	2.01	2.44	August	2.01
Sept.	0.54	1.80	2.16	Sept.	1.80
Jun-MAM	7.75	14.93	18.25		
Jul-JMA	9.54	17.09	20.82		
Aug-JJM	9.87	16.74	20.42		
Sep-AJJ	8.53	14.13	17.20		
Oct-SAJ	5.63	12.02	14.54		

NOTE:
Wessington 2 SE NWS Station (SD9064) was used for Jun 1980; Jun 1996.

Rainfall Data
Mission
Station #SD5620
Todd County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1980	1.29	0.62	1.43	2.37	0.64	3.66	0.49	6.82	10.59	8.09	14.63	9.43	DRY	DRY	DRY	NORM	NORM	1980
1981	1.05	0.43	4.44	2.56	4.11	2.51	0.87	15.23	16.99	21.89	18.31	11.74	NORM	NORM	NORM	WET	NORM	1981
1982	1.07	0.97	7.80	5.31	3.65	2.81	1.69	26.41	32.50	29.37	21.04	14.34	WET	WET	WET	WET	WET	1982
1983	1.69	1.96	4.82	3.85	3.46	1.18	1.21	20.07	23.15	22.90	14.31	9.45	WET	WET	WET	NORM	NORM	1983
1984	1.15	2.97	2.54	2.00	3.94	0.54	1.17	14.71	14.05	18.36	11.50	8.53	NORM	NORM	NORM	NORM	NORM	1984
1985	0.80	1.94	0.37	1.30	2.82	1.53	2.02	5.79	6.58	11.43	11.53	11.94	DRY	DRY	DRY	NORM	NORM	1985
1986	2.15	3.78	2.41	3.52	3.70	2.47	3.14	16.94	19.16	20.55	18.33	18.06	NORM	NORM	NORM	WET	WET	1986
1987	2.87	0.57	4.96	0.80	3.68	1.54	0.61	18.89	12.89	17.60	12.78	8.59	NORM	NORM	NORM	NORM	NORM	1987
1988	0.83	1.02	4.72	3.31	2.41	0.57	1.56	17.03	20.39	18.57	9.84	8.23	NORM	NORM	NORM	NORM	NORM	1988
1989	0.80	1.00	1.16	1.63	1.57	1.60	4.95	6.28	8.21	9.13	9.57	19.62	DRY	DRY	DRY	DRY	WET	1989
1990	1.84	1.50	3.36	3.21	5.89	1.32	0.27	14.92	17.85	27.45	18.95	9.34	NORM	NORM	WET	WET	NORM	1990
1991	0.78	2.70	7.22	5.78	0.70	1.45	0.23	27.84	34.48	20.88	11.53	4.29	WET	WET	NORM	NORM	DRY	1991
1992	1.08	0.57	0.34	4.99	5.18	1.45	1.58	3.24	16.22	25.86	19.70	12.82	DRY	NORM	WET	WET	NORM	1992
1993	0.56	2.81	2.03	3.93	3.08	0.99	1.77	12.27	18.66	19.13	13.06	10.37	NORM	NORM	NORM	NORM	NORM	1993
1994	0.22	2.95	0.58	3.83	3.00	4.80	0.82	7.86	15.60	17.24	24.23	15.06	DRY	NORM	NORM	WET	WET	1994
1995	1.12	3.19	6.04	4.26	1.50	1.24	1.07	25.62	28.05	19.06	10.98	7.19	WET	WET	NORM	NORM	NORM	1995
1996	0.36	1.00	5.67	0.89	0.51	1.52	4.76	19.37	15.01	8.98	6.47	17.83	NORM	NORM	DRY	DRY	WET	1996
1997	0.11	3.93	2.43	4.71	3.81	1.44	1.11	15.26	22.92	23.28	16.65	10.02	NORM	WET	WET	NORM	NORM	1997
1998	2.04	0.62	3.00	5.31	5.49	1.99	0.99	12.28	22.55	30.09	22.26	12.44	NORM	NORM	WET	WET	NORM	1998
1999	0.56	3.98	4.33	5.38	2.01	2.61	4.15	21.51	28.78	21.12	17.23	19.68	WET	WET	NORM	NORM	WET	1999
2000	0.53	2.90	6.18	4.42	3.14	0.81	0.53	24.87	28.52	24.44	13.13	6.35	WET	WET	WET	NORM	DRY	2000
2001	0.77	4.81	2.74	3.62	3.64	0.23	1.89	18.61	21.15	20.90	11.59	9.77	NORM	NORM	NORM	NORM	NORM	2001
2002	0.98	1.48	1.90	0.33	0.67	0.56	3.50	9.64	6.27	4.57	3.35	12.29	NORM	DRY	DRY	DRY	NORM	2002
2003	1.25	1.95	2.10	2.90	1.18	1.03	0.82	11.45	14.85	11.44	8.35	5.70	NORM	NORM	DRY	DRY	DRY	2003
2004	2.97	0.40	3.92	1.82	3.94	1.77	2.74	15.53	13.70	19.38	15.01	15.70	NORM	NORM	NORM	NORM	WET	2004
2005	1.27	5.45	3.51	5.17	2.73	1.66	0.91	22.70	27.98	22.04	15.61	8.78	WET	WET	NORM	NORM	NORM	2005
2006	2.20	2.84	0.55	3.03	0.59	3.83	2.90	9.53	13.03	8.38	15.70	16.95	NORM	NORM	DRY	NORM	WET	2006
2007	2.31	1.14	4.31	2.63	0.17	3.18	2.17	17.52	17.65	10.08	12.51	13.04	NORM	NORM	DRY	NORM	NORM	2007
2008	0.91	1.60	3.81	8.05	1.89	0.82	2.86	15.54	33.37	25.58	14.29	12.11	NORM	WET	WET	NORM	NORM	2008
2009	1.61	2.86	0.90	3.05	5.79	3.42	0.56	10.03	13.81	24.37	24.89	14.31	NORM	NORM	WET	WET	WET	2009
2010	1.42	3.55	1.63	4.35	3.19	0.78	0.86	13.41	19.86	19.90	13.07	7.33	NORM	NORM	NORM	NORM	NORM	2010
2011	0.91	2.20	4.94	8.71	5.59	0.76	1.28	20.13	38.21	39.13	22.17	10.95	WET	WET	WET	WET	NORM	2011
2012	0.13	3.42	1.11	2.62	1.51	0.71	0.47	10.30	13.50	10.88	7.77	4.34	NORM	NORM	DRY	DRY	DRY	2012
2013	1.56	2.37	5.64	1.08	1.61	1.57	1.13	23.22	16.89	12.63	9.01	8.14	WET	NORM	NORM	DRY	NORM	2013
2014	0.28	1.88	4.87	8.04	1.40	4.00	1.44	18.65	35.74	25.15	22.84	13.72	NORM	WET	WET	WET	NORM	2014
2015	0.11	2.24	7.81	3.58	2.07	2.31	2.54	28.02	28.60	21.18	14.65	14.31	WET	WET	NORM	NORM	WET	2015
2016	1.35	3.95	4.69	3.78	5.58	1.58	1.28	23.32	24.67	28.99	19.68	12.58	WET	WET	WET	WET	NORM	2016
2017	0.77	1.70	4.98	0.45	1.28	4.41	2.70	19.11	13.01	9.72	16.24	18.20	NORM	NORM	DRY	NORM	WET	2017
2018	1.31	2.06	3.80	6.86	6.49	1.60	1.91	16.83	30.24	36.99	24.64	15.42	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.52	1.16	1.42	March	1.16
April	1.24	2.12	2.58	April	2.12
May	1.95	3.58	4.37	May	3.58
June	2.10	3.21	3.85	June	3.21
July	1.89	2.97	3.59	July	2.97
August	1.30	1.90	2.27	August	1.90
Sept.	0.78	1.59	1.95	Sept.	1.59

Jun-MAM	8.85	16.14	19.69
Jul-JMA	11.44	18.91	22.87
Aug-JJM	11.82	18.91	22.84
Sep-AJJ	9.78	14.85	17.84
Oct-SAJ	6.83	11.54	13.98

Note:
Mission NWS Station (SD5620) has not collected data as of 2013.
Mission 14 S NWS Station (SD5638) was used for 2013-2018.

Rainfall Data
Mission 14 S
Station #SD5638
Todd County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1980	1.41	0.51	1.64	8.22	1.30	5.11	0.51	7.35	28.45	21.98	26.15	13.05	DRY	WET	NORM	WET	NORM	1980
1981	1.81	0.54	3.72	1.91	4.67	3.07	0.42	14.05	13.71	21.55	20.46	12.07	NORM	NORM	NORM	WET	NORM	1981
1982	1.10	0.71	7.29	5.31	3.65	2.81	1.69	24.39	31.22	28.86	21.04	14.34	WET	WET	WET	WET	NORM	1982
1983	1.69	1.96	4.82	3.85	3.46	1.18	1.21	20.07	23.15	22.90	14.31	9.45	WET	WET	NORM	NORM	NORM	1983
1984	1.15	2.97	2.54	1.89	3.33	2.05	1.12	14.71	13.72	16.31	14.70	10.79	NORM	NORM	NORM	NORM	NORM	1984
1985	0.81	1.89	0.66	1.42	2.86	2.79	2.45	6.57	7.47	12.08	15.51	15.79	DRY	DRY	DRY	NORM	WET	1985
1986	1.91	4.21	3.42	3.00	2.47	1.48	3.09	20.59	20.05	16.83	12.38	14.70	WET	NORM	NORM	NORM	NORM	1986
1987	2.37	0.65	3.74	1.03	4.77	2.79	0.77	14.89	11.22	20.11	18.94	12.66	NORM	DRY	NORM	NORM	NORM	1987
1988	1.36	1.68	4.69	3.73	2.84	0.94	1.57	18.79	22.25	20.67	12.23	9.43	NORM	NORM	NORM	NORM	NORM	1988
1989	0.84	0.72	1.01	0.95	1.23	2.51	3.34	5.31	5.59	6.60	10.94	16.27	DRY	DRY	DRY	NORM	WET	1989
1990	1.42	1.36	5.27	2.33	4.00	1.92	0.33	19.95	18.89	21.93	16.09	8.83	WET	NORM	NORM	NORM	NORM	1990
1991	1.10	2.73	4.89	3.51	2.04	2.58	1.14	21.23	23.04	18.03	15.33	10.62	WET	WET	NORM	NORM	NORM	1991
1992	1.12	0.75	0.47	4.20	3.56	2.97	1.78	4.03	14.29	19.55	20.23	14.84	DRY	NORM	NORM	WET	NORM	1992
1993	0.82	3.48	1.50	4.69	2.54	2.71	2.07	12.28	20.55	18.50	17.90	14.17	NORM	NORM	NORM	NORM	NORM	1993
1994	0.46	2.30	1.32	5.24	4.36	3.43	0.64	9.02	20.66	24.88	24.25	13.14	DRY	NORM	WET	WET	NORM	1994
1995	1.12	3.88	7.20	3.84	1.77	1.40	2.14	30.48	29.80	20.19	11.58	10.99	WET	WET	NORM	NORM	NORM	1995
1996	0.71	1.47	5.19	0.96	1.02	1.49	5.04	19.22	14.73	10.17	7.47	19.12	NORM	NORM	DRY	DRY	WET	1996
1997	0.11	4.15	2.57	3.35	7.04	0.60	1.26	16.12	19.34	30.39	19.23	12.02	NORM	NORM	WET	NORM	NORM	1997
1998	1.55	0.66	3.23	5.58	8.03	1.62	1.16	12.56	23.86	38.48	26.50	14.75	NORM	WET	WET	WET	NORM	1998
1999	0.31	3.76	5.78	4.35	2.68	2.01	4.49	25.17	28.37	22.52	15.74	20.17	WET	WET	NORM	NORM	WET	1999
2000	0.49	2.89	4.96	4.69	4.22	1.00	0.49	21.15	26.88	27.00	16.13	7.69	WET	WET	WET	NORM	NORM	2000
2001	0.35	6.21	2.94	2.24	3.56	0.55	2.41	21.59	18.81	18.10	11.01	11.89	WET	NORM	NORM	NORM	NORM	2001
2002	0.66	1.45	2.06	1.28	0.82	1.54	2.33	9.74	9.41	7.08	7.54	10.89	DRY	DRY	DRY	DRY	NORM	2002
2003	1.32	1.71	2.20	2.92	0.99	0.58	0.82	11.34	14.87	11.01	6.64	4.61	NORM	NORM	DRY	DRY	DRY	2003
2004	2.97	0.63	4.45	2.38	2.21	0.71	2.85	17.58	16.67	15.84	8.93	12.18	NORM	NORM	NORM	DRY	NORM	2004
2005	1.3	4.94	2.95	5.8	1.24	1.93	1.23	20.03	28.24	18.27	14.07	8.79	WET	WET	NORM	NORM	NORM	2005
2006	1.46	2.84	0.33	2.80	0.46	2.96	2.10	8.13	11.90	7.31	12.60	12.68	DRY	NORM	DRY	NORM	NORM	2006
2007	2.19	1.64	5.23	2.69	0.90	8.54	1.05	21.16	20.17	13.31	30.11	21.13	WET	NORM	NORM	WET	WET	2007
2008	0.84	1.91	3.18	4.76	2.41	0.87	2.77	14.20	22.55	19.93	12.19	12.46	NORM	NORM	NORM	NORM	NORM	2008
2009	1.76	3.65	0.56	5.12	5.12	2.83	0.65	10.74	20.13	26.16	23.85	12.73	NORM	NORM	WET	WET	NORM	2009
2010	1.37	4.44	2.18	5.46	2.64	2.08	0.90	16.79	25.18	21.02	16.98	9.50	NORM	WET	NORM	NORM	NORM	2010
2011	0.71	1.53	3.78	6.45	6.32	2.02	1.45	15.11	28.44	35.64	25.15	14.71	NORM	WET	WET	WET	NORM	2011
2012	0.39	3.53	0.88	2.57	1.06	1.09	0.20	10.09	13.00	9.20	7.96	3.84	NORM	NORM	DRY	DRY	DRY	2012
2013	1.56	2.37	5.64	1.08	1.61	1.57	1.13	23.22	16.89	12.63	9.01	8.14	WET	NORM	NORM	DRY	NORM	2013
2014	0.28	1.88	4.87	8.04	1.40	4.00	1.44	18.65	35.74	25.15	22.84	13.72	NORM	WET	WET	WET	NORM	2014
2015	0.11	2.24	7.81	3.58	2.07	2.31	2.54	28.02	28.60	21.18	14.65	14.31	WET	WET	NORM	NORM	NORM	2015
2016	1.35	3.95	4.69	3.78	5.58	1.58	1.28	23.32	24.67	28.99	19.68	12.58	WET	WET	WET	WET	NORM	2016
2017	0.77	1.70	4.98	0.45	1.28	4.41	2.70	19.11	13.01	9.72	16.24	18.20	NORM	NORM	DRY	NORM	WET	2017
2018	1.31	2.06	3.80	6.86	6.49	1.60	1.91	16.83	30.24	36.99	24.64	15.42	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.61	1.33	1.62	March	1.33
April	1.24	2.14	2.60	April	2.14
May	2.22	3.61	4.37	May	3.61
June	1.90	3.16	3.83	June	3.16
July	2.18	3.26	3.90	July	3.26
August	1.45	2.13	2.54	August	2.13
Sept.	0.83	1.63	1.99	Sept.	1.63

NOTE:

Mission NWS Station (SD5620) was used for Jun-Sep 1982; Mar-Sep 1983; Mar-May 1984.

Jun-MAM	9.75	16.44	19.93
Jul-JMA	11.38	18.84	22.83
Aug-JJM	12.56	19.71	23.73
Sep-AJJ	10.61	16.07	19.25
Oct-SAJ	7.57	12.41	14.95

Rainfall Data
Mitchell 2 N
Station #SD5671
Davison County, SD

Portion of the table to be used with the PrecipCategories tool.

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	Year
1938	2.64	3.44	5.27	3.20	0.80	0.53	2.90	25.33	23.58	14.07	6.39	10.56	WET	NORM	NORM	DRY	NORM	1938
1940	2.09	2.43	0.11	4.53	1.04	2.99	0.68	7.28	16.24	12.29	15.58	9.06	DRY	NORM	NORM	NORM	NORM	1940
1941	0.54	5.14	1.11	3.27	3.69	1.82	1.69	14.15	17.17	18.72	16.11	12.40	NORM	NORM	NORM	NORM	NORM	1941
1950	1.47	1.58	3.07	0.89	1.69	2.82	4.65	13.84	10.39	9.92	12.73	21.28	NORM	DRY	DRY	NORM	WET	1950
1951	1.33	1.25	4.56	4.60	4.04	1.73	1.55	17.51	24.17	25.88	17.87	12.15	NORM	NORM	WET	NORM	NORM	1951
1953	1.02	4.23	3.23	6.60	1.99	6.07	0.34	19.17	30.49	22.40	28.79	15.15	NORM	WET	WET	WET	NORM	1953
1955	0.29	5.66	2.49	2.64	2.62	0.92	1.24	19.08	18.56	15.63	10.64	8.18	NORM	NORM	NORM	NORM	NORM	1955
1956	2.24	1.60	1.20	1.07	3.31	3.88	0.49	9.04	7.21	13.27	19.33	12.54	DRY	DRY	NORM	WET	NORM	1956
1957	0.95	2.35	6.26	3.05	1.63	4.59	1.67	24.43	24.02	17.25	20.08	15.82	WET	NORM	NORM	WET	NORM	1957
1963	2.08	2.02	1.95	2.10	4.87	0.88	3.13	11.97	12.22	20.76	14.48	16.02	NORM	NORM	NORM	NORM	NORM	1963
1964	2.05	2.72	1.43	2.49	3.01	2.90	2.87	11.78	13.05	15.44	17.21	17.42	NORM	NORM	NORM	NORM	WET	1964
1968	0.38	4.34	1.72	6.41	1.47	1.39	2.51	14.22	27.01	18.95	13.52	11.78	NORM	WET	NORM	NORM	NORM	1968
1969	0.39	1.30	4.41	1.71	3.12	1.62	2.05	16.22	15.25	17.19	12.81	12.51	NORM	NORM	NORM	NORM	NORM	1969
1970	1.38	4.27	1.50	3.38	1.28	1.28	2.01	14.42	17.41	12.10	9.78	9.87	NORM	NORM	NORM	NORM	NORM	1970
1974	1.12	1.17	2.48	4.98	1.15	0.30	0.11	10.90	21.07	15.89	8.18	2.08	NORM	NORM	NORM	DRY	DRY	1974
1975	1.31	1.79	0.72	4.22	0.28	2.96	2.89	7.05	15.89	10.00	13.66	14.87	DRY	NORM	DRY	NORM	NORM	1975
1976	0.93	2.76	1.44	2.68	1.20	0.52	2.55	10.77	13.68	10.40	6.64	9.89	NORM	NORM	DRY	DRY	NORM	1976
1977	4.09	2.38	3.10	1.99	1.60	6.62	4.09	18.15	14.55	11.88	25.05	27.11	NORM	NORM	NORM	WET	WET	1977
1978	0.36	3.75	2.89	1.47	4.22	3.33	1.78	16.53	13.94	18.49	19.90	16.22	NORM	NORM	NORM	WET	NORM	1978
1980	0.85	0.98	1.88	3.09	0.43	4.06	0.44	8.45	14.01	9.35	16.13	9.87	DRY	NORM	DRY	NORM	NORM	1980
1981	1.75	2.73	1.13	2.61	3.88	3.65	1.06	10.60	12.82	17.99	21.32	14.36	NORM	NORM	NORM	WET	NORM	1981
1982	1.32	0.87	6.10	2.54	3.96	1.95	1.84	21.36	20.69	23.06	16.31	13.38	WET	NORM	WET	NORM	NORM	1982
1983	3.51	2.62	1.35	6.76	2.78	0.26	0.92	12.80	25.60	23.21	13.10	6.06	NORM	WET	WET	NORM	DRY	1983
1984	1.18	6.19	2.53	11.11	0.53	2.14	0.78	21.15	44.58	26.34	18.59	7.15	WET	WET	WET	NORM	DRY	1984
1985	2.27	3.92	6.89	1.75	1.77	3.29	4.06	30.78	22.95	15.70	15.16	20.53	WET	NORM	NORM	NORM	WET	1985
1986	1.53	7.07	3.00	5.31	2.23	2.54	6.83	24.67	29.00	20.31	17.39	27.80	WET	WET	NORM	NORM	WET	1986
1987	7.49	0.37	1.03	1.46	4.16	1.43	2.93	11.32	6.81	16.43	14.07	15.81	NORM	DRY	NORM	NORM	NORM	1987
1988	1.00	3.19	3.70	0.41	1.00	2.36	3.35	18.48	11.82	7.52	9.49	15.77	NORM	NORM	DRY	NORM	NORM	1988
1989	1.58	0.69	1.94	2.13	2.95	1.72	3.34	8.78	10.96	15.05	13.19	16.41	DRY	DRY	NORM	NORM	NORM	1989
1990	1.46	0.99	4.80	6.53	2.11	2.76	1.06	17.84	30.18	24.19	19.03	10.81	NORM	WET	WET	NORM	NORM	1990
1991	0.78	3.50	6.22	1.62	0.91	0.95	1.48	26.44	20.80	12.19	6.29	7.25	WET	NORM	NORM	DRY	DRY	1991
1992	1.12	1.95	1.23	1.44	5.59	4.00	2.85	8.71	8.73	20.88	24.62	22.14	DRY	DRY	NORM	WET	WET	1992
1993	1.68	2.83	4.09	9.30	9.81	1.20	2.26	19.61	38.91	52.12	32.52	18.99	NORM	WET	WET	WET	WET	1993
1994	0.30	2.76	0.65	2.73	2.23	0.63	2.46	7.77	12.25	12.80	9.08	10.87	DRY	NORM	NORM	NORM	NORM	1994
1995	3.59	6.71	5.56	3.96	1.98	1.03	1.44	33.69	29.71	19.42	11.01	8.36	WET	WET	NORM	NORM	NORM	1995
1996	0.66	0.95	4.33	3.37	2.56	1.79	4.37	15.55	19.72	18.75	13.86	19.25	NORM	NORM	NORM	NORM	WET	1996
1997	0.10	2.09	4.59	2.06	1.17	1.95	2.38	18.05	17.45	12.22	10.25	12.21	NORM	NORM	NORM	NORM	NORM	1997
1998	1.75	3.71	2.05	3.45	1.98	2.39	1.13	15.32	18.16	14.89	14.58	10.15	NORM	NORM	NORM	NORM	NORM	1998
1999	0.55	5.19	3.58	4.42	3.86	3.13	3.64	21.67	25.61	24.00	21.53	21.04	WET	WET	WET	WET	WET	1999
2000	1.00	2.16	3.41	2.39	1.74	6.20	0.59	15.55	16.15	13.41	24.47	15.91	NORM	NORM	NORM	WET	NORM	2000
2001	0.83	6.31	2.43	4.00	0.96	0.31	2.75	20.74	23.17	13.31	6.85	9.83	NORM	NORM	NORM	DRY	NORM	2001
2002	1.65	1.64	1.44	2.75	0.87	7.03	1.30	9.25	12.77	9.55	25.58	18.83	DRY	NORM	DRY	WET	WET	2002
2003	0.04	2.30	2.56	5.40	2.92	3.68	3.36	12.32	23.62	22.12	22.28	20.36	NORM	NORM	NORM	WET	WET	2003
2004	1.39	1.26	7.46	3.72	1.97	3.59	4.46	26.29	27.34	20.81	18.43	22.53	WET	WET	NORM	NORM	WET	2004
2005	0.59	2.55	3.06	12.11	0.83	1.62	3.3	14.87	45.00	29.77	18.63	13.97	NORM	WET	WET	NORM	NORM	2005
2006	1.1	4.2	1.06	1.66	1.24	8.31	5.02	12.68	11.30	8.10	29.07	32.92	NORM	DRY	DRY	WET	WET	2006
2007	2.90	1.65	5.49	4.05	0.08	3.99	1.48	22.67	24.78	13.83	16.18	12.50	WET	WET	NORM	NORM	NORM	2007
2008	1.22	2.67	2.82	4.60	3.59	1.36	1.36	15.02	22.11	22.79	15.86	10.39	NORM	NORM	WET	NORM	NORM	2008
2009	2.38	2.09	1.69	3.91	0.00	3.10	1.42	11.63	17.20	9.51	13.21	10.46	NORM	NORM	DRY	NORM	NORM	2009
2010	1.51	2.30	1.79	8.98	9.75	3.62	2.04	11.48	32.82	49.00	39.34	23.11	NORM	WET	WET	WET	WET	2010
2011	0.83	3.48	4.76	3.74	2.20	1.55	0.34	22.07	24.22	18.84	12.79	6.32	WET	WET	NORM	NORM	DRY	2011
2012	0.33	4.82	5.98	2.10	0.19	1.46	1.15	27.91	23.08	10.75	6.86	6.56	WET	NORM	NORM	DRY	DRY	2012
2013	1.21	2.87	6.37	2.68	3.20	2.26	3.54	26.06	23.65	21.33	15.86	18.34	WET	NORM	NORM	NORM	WET	2013
2014	1.04	0.95	2.86	5.10	1.19	4.28	1.78	11.52	21.97	16.63	20.32	15.09	NORM	NORM	NORM	WET	NORM	2014
2015	0.18	1.71	5.30	4.30	4.13	2.42	1.64	19.50	25.21	26.29	19.82	13.89	NORM	WET	WET	WET	NORM	2015
2016	1.34	6.50	4.73	1.45	1.44	2.61	1.33	28.53	20.31	11.95	12.16	10.65	WET	NORM	NORM	NORM	NORM	2016
2017	0.41	3.37	2.63	1.09	2.71	3.91	2.61	15.04	11.90	12.94	18.24	18.36	NORM	NORM	NORM	NORM	WET	2017
2018	1.62	1.64	0.89	4.62	2.52	1.98	4.12	7.57	17.28	17.69	15.60	18.84	DRY	NORM	NORM	NORM	WET	2018

Month	30% Lower Bound	N	30% Upper Bound
March	0.82	1.66	2.02
April	1.56	2.71	3.30
May	1.97	3.33	4.04
June	2.08	3.52	4.27
July	1.43	2.64	3.22
August	1.30	2.32	2.82
Sept.	1.15	2.27	2.77
Jun-MAM	9.85	17.07	20.74
Jul-JMA	11.74	19.93	24.19
Aug-JJM	10.42	18.29	22.24
Sep-AJJ	8.84	15.76	19.17
Oct-SAJ	7.48	14.09	17.17

Normals are for 1971-2000 data

NOTE:
Mitchell 2 N NWS Station (SD5671) has not collected data as of Apr 2003.

Mitchell NWS Station (SD5669) was used for Apr-Sep 2003; 2004-2018.

Rainfall Data
Mobridge 2 NNW
Station #SD5691
Walworth County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1957	0.16	2.98	5.03	6.05	2.29	1.75	3.21	21.21	31.19	24.00	15.88	15.42	WET	WET	WET	NORM	WET	1957
1964	0.38	4.31	2.29	5.23	1.45	1.97	0.35	15.87	24.58	17.10	14.04	6.44	WET	WET	NORM	NORM	NORM	1964
1970	0.48	5.37	2.53	1.94	1.41	1.03	2.48	18.81	16.25	10.64	7.85	10.91	WET	NORM	NORM	NORM	NORM	1970
1977	3.95	0.61	2.04	3.85	1.88	2.10	4.65	11.29	16.24	15.38	13.91	20.03	NORM	NORM	NORM	NORM	WET	1977
1978	0.44	3.00	2.74	4.19	2.13	4.51	0.34	14.66	21.05	17.51	21.98	12.17	NORM	WET	NORM	WET	NORM	1978
1980	0.59	1.14	0.22	1.71	2.45	2.40	0.61	3.53	6.71	10.99	13.81	9.08	DRY	DRY	NORM	NORM	NORM	1980
1981	0.44	0.24	4.25	3.16	5.25	3.30	1.99	13.67	18.22	26.32	23.56	17.82	NORM	NORM	WET	WET	WET	1981
1982	2.43	1.48	5.39	1.78	1.20	0.57	0.76	21.56	17.60	12.55	5.89	4.62	WET	NORM	NORM	DRY	DRY	1982
1983	2.40	1.02	2.65	1.45	3.25	1.69	1.30	12.39	10.67	15.30	13.02	10.53	NORM	NORM	NORM	NORM	NORM	1983
1984	1.70	3.13	0.96	5.02	1.00	0.48	0.79	10.84	20.11	14.00	8.46	4.33	NORM	WET	NORM	NORM	DRY	1984
1985	0.62	0.61	1.23	1.84	1.47	3.31	1.48	5.53	8.59	9.32	14.71	12.53	DRY	DRY	NORM	NORM	WET	1985
1986	0.34	4.07	5.54	2.65	4.44	1.31	3.46	25.10	23.10	24.16	15.46	17.44	WET	WET	WET	NORM	WET	1986
1987	0.86	0.14	2.62	1.14	3.11	1.43	0.42	9.00	8.80	14.23	11.65	7.23	NORM	DRY	NORM	NORM	NORM	1987
1988	0.06	0.86	1.97	5.23	0.05	0.67	0.65	7.69	20.49	12.58	7.34	3.34	NORM	WET	NORM	DRY	DRY	1988
1989	1.95	4.07	1.00	0.78	1.76	1.37	0.69	13.09	8.41	7.84	8.41	6.57	NORM	DRY	DRY	NORM	NORM	1989
1990	0.55	0.83	1.28	4.01	2.33	3.20	1.62	6.05	15.42	16.29	18.27	13.59	DRY	NORM	NORM	WET	WET	1990
1991	0.43	1.86	4.37	3.96	1.15	0.57	0.28	17.26	22.48	15.74	7.97	3.13	WET	WET	NORM	NORM	DRY	1991
1992	0.60	0.36	1.51	4.22	3.57	2.78	2.07	5.85	16.04	20.66	19.70	15.34	DRY	NORM	WET	WET	WET	1992
1993	0.31	1.03	1.50	4.66	4.37	1.75	0.87	6.87	18.01	23.93	18.65	10.48	NORM	NORM	WET	WET	NORM	1993
1994	0.53	0.83	1.11	1.55	3.57	1.46	0.30	5.52	7.70	14.92	13.07	7.39	DRY	DRY	NORM	NORM	NORM	1994
1995	0.60	1.66	3.89	3.53	1.65	2.05	1.01	15.59	20.03	15.90	12.98	8.78	WET	WET	NORM	NORM	NORM	1995
1996	0.53	0.60	3.03	3.49	0.77	1.53	4.50	10.82	17.13	12.32	9.62	17.33	NORM	NORM	NORM	NORM	WET	1996
1997	0.38	1.89	1.17	3.25	5.14	0.70	1.13	7.67	13.98	23.09	15.63	9.93	NORM	NORM	WET	NORM	NORM	1997
1998	0.31	0.43	0.81	3.17	1.81	4.38	0.28	3.60	11.56	12.58	19.93	11.41	DRY	NORM	NORM	WET	NORM	1998
1999	0.20	1.30	6.55	3.28	2.62	4.32	4.05	22.45	24.24	20.97	21.48	23.41	WET	WET	WET	WET	WET	1999
2000	1.97	1.42	3.31	3.07	2.10	0.59	0.44	14.74	17.25	15.75	9.04	4.60	NORM	NORM	NORM	NORM	DRY	2000
2001	0.05	1.95	2.46	3.46	6.87	0.19	1.80	11.33	17.25	29.99	17.77	12.65	NORM	NORM	WET	WET	WET	2001
2002	0.22	0.78	0.74	1.00	2.40	1.77	0.71	4.00	5.26	9.94	11.11	8.07	DRY	DRY	NORM	NORM	NORM	2002
2003	0.35	1.35	2.93	2.58	2.34	0.36	1.18	11.84	14.95	15.11	8.34	6.60	NORM	NORM	NORM	NORM	NORM	2003
2004	0.65	0.31	2.99	2.95	1.16	1.16	2.91	10.24	15.14	12.37	8.75	12.21	NORM	NORM	NORM	NORM	WET	2004
2005	0.21	1.20	5.06	2.48	1.29	1.73	0.7	17.79	18.76	13.89	10.25	6.85	WET	NORM	NORM	NORM	NORM	2005
2006	0.12	0.96	0.38	0.65	0.79	1.03	2.82	3.18	3.67	4.05	5.32	11.31	DRY	DRY	DRY	DRY	NORM	2006
2007	2.40	1.37	4.08	2.30	0.87	7.79	1.70	17.38	16.43	11.29	27.41	21.55	WET	NORM	NORM	WET	WET	2007
2008	0.44	0.96	2.41	5.01	2.10	1.88	2.26	9.59	20.81	18.73	14.85	12.64	NORM	WET	WET	NORM	WET	2008
2009	0.59	1.32	1.64	2.46	2.41	2.91	0.86	8.15	11.98	13.79	16.01	10.81	NORM	NORM	NORM	WET	NORM	2009
2010	1.40	1.17	3.95	2.40	1.37	0.65	1.91	15.59	16.27	12.86	7.09	8.40	WET	NORM	NORM	DRY	NORM	2010
2011	1.19	2.04	2.45	4.41	0.86	2.13	0.35	12.62	20.17	13.85	12.52	6.17	NORM	WET	NORM	NORM	NORM	2011
2012	0.08	2.17	3.81	2.29	2.74	1.39	0.00	15.85	16.66	16.61	11.94	5.52	WET	NORM	NORM	NORM	NORM	2012
2013	0.31	1.03	5.66	1.47	2.73	1.81	2.79	19.35	16.76	16.79	12.36	14.72	WET	NORM	NORM	NORM	WET	2013
2014	0.37	2.73	2.60	6.71	0.52	5.11	0.68	13.63	28.06	17.58	23.08	12.78	NORM	WET	NORM	WET	WET	2014
2015	0.08	0.42	9.42	3.39	2.86	3.43	0.75	29.18	29.43	24.78	19.40	11.97	WET	WET	WET	WET	NORM	2015
2016	0.64	3.58	3.78	2.95	2.01	1.72	0.49	19.14	19.99	15.71	12.13	6.92	WET	WET	NORM	NORM	NORM	2016
2017	0.62	0.48	0.67	1.50	2.97	5.70	1.94	3.59	6.32	12.58	24.54	20.19	DRY	DRY	NORM	WET	WET	2017
2018	0.94	2.02	3.33	3.63	1.34	0.79	3.33	14.97	19.57	14.61	8.68	12.91	WET	WET	NORM	NORM	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.44	1.04	1.26	March	1.04
April	0.83	1.64	2.00	April	1.64
May	1.50	2.63	3.20	May	2.63
June	1.90	2.94	3.53	June	2.94
July	1.16	2.27	2.77	July	2.27
August	1.10	1.87	2.27	August	1.87
Sept.	0.56	1.34	1.63	Sept.	1.34
Jun-MAM	6.60	12.21	14.86		
Jul-JMA	9.53	15.72	18.99		
Aug-JJM	8.78	15.32	18.57		
Sep-AJJ	7.52	13.09	15.88		
Oct-SAJ	5.04	10.03	12.20		

NOTE:
Mobridge 2 NNW NWS Station (SD5691) has not collected data as of 2012.

Mobridge 2 NNW NWS Station (SD5691) has been replaced with Mobridge 2 NNW NWS Station (SD053).
Selby NWS Station (SD7545) was used for Jul 1978; Jun 1985.

Rainfall Data
Montrose
Station #SD5733
McCook County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	Year
1937	2.25	4.01	2.56	4.22	1.18	2.98	0.82	17.95	21.79	14.54	15.52	9.6	NORM	NORM	NORM	NORM	DRY	1937
1940	2.24	3.77	0.11	7.52	2.08	3.97	1.21	10.11	26.55	21.39	23.59	13.65	DRY	WET	NORM	WET	NORM	1940
1950	1.57	1.36	2.99	1.82	3.16	2.29	2.46	13.26	12.8	16.11	15.01	15.12	NORM	DRY	NORM	NORM	NORM	1950
1953	1.79	4.93	5.71	5.63	1.39	4.27	0.82	28.78	33.24	21.14	21.22	12.39	WET	WET	NORM	WET	NORM	1953
1956	1.58	2.02	0.94	1.08	3.21	3.67	0.40	8.44	7.14	12.73	18.51	11.75	DRY	DRY	DRY	NORM	NORM	1956
1957	1.81	1.95	4.28	4.83	2.93	2.18	1.49	18.55	25.00	22.73	17.23	11.76	NORM	WET	NORM	NORM	NORM	1957
1958	1.01	2.95	1.13	2.03	4.08	1.86	1.17	10.30	11.30	17.43	15.77	11.31	DRY	DRY	NORM	NORM	NORM	1958
1962	1.70	2.31	6.18	5.69	7.77	2.61	2.58	24.86	31.74	40.87	29.06	20.73	WET	WET	WET	WET	WET	1962
1964	2.04	3.77	1.33	2.07	3.54	2.94	2.20	13.57	12.64	16.09	17.97	16.02	NORM	DRY	NORM	NORM	NORM	1964
1968	0.73	4.93	2.22	5.94	1.76	1.42	3.97	17.25	27.19	19.38	13.72	16.51	NORM	WET	NORM	NORM	NORM	1968
1970	2.15	3.42	2.17	2.77	1.82	1.47	2.18	15.50	16.07	13.17	10.82	11.30	NORM	NORM	NORM	DRY	NORM	1970
1971	0.90	2.54	1.67	4.84	2.86	1.20	1.58	10.99	20.40	19.93	14.16	10.00	DRY	NORM	NORM	NORM	NORM	1971
1976	0.98	2.77	1.76	1.84	2.80	0.83	1.86	11.80	11.81	13.84	9.93	10.04	NORM	DRY	NORM	DRY	NORM	1976
1978	0.14	3.84	4.79	3.12	5.32	6.55	2.79	22.19	22.78	26.99	33.41	26.79	WET	NORM	WET	WET	WET	1978
1979	2.85	2.82	4.43	3.73	3.97	4.59	2.85	21.78	22.87	23.80	25.44	21.70	WET	NORM	WET	WET	WET	1979
1980	0.67	0.66	1.64	3.80	2.27	4.59	0.60	6.91	15.34	16.05	22.11	13.25	DRY	NORM	NORM	WET	NORM	1980
1981	1.81	1.63	0.57	2.88	3.43	3.47	1.37	6.78	11.41	16.62	20.15	14.48	DRY	DRY	NORM	WET	NORM	1981
1982	1.39	1.84	6.27	1.33	6.00	6.70	4.72	23.88	18.37	26.93	33.43	33.56	WET	NORM	WET	WET	WET	1982
1983	3.75	2.23	2.53	4.33	1.63	2.58	1.75	15.80	20.28	16.08	15.33	12.04	NORM	NORM	NORM	NORM	NORM	1983
1984	1.42	4.94	2.94	8.36	1.44	1.30	0.80	20.12	35.90	23.98	15.14	6.44	NORM	WET	WET	NORM	DRY	1984
1985	2.83	5.06	3.91	1.65	2.41	3.26	3.02	24.68	17.83	14.44	16.25	17.99	WET	NORM	NORM	NORM	NORM	1985
1986	1.63	6.50	3.82	7.99	3.02	3.84	8.91	26.09	38.11	28.86	25.55	37.43	WET	WET	WET	WET	WET	1986
1987	3.94	0.40	2.16	2.54	4.46	1.51	1.66	11.22	12.34	20.62	15.99	12.46	NORM	DRY	NORM	NORM	NORM	1987
1988	0.56	3.00	4.53	1.00	1.91	3.27	3.23	20.15	15.06	12.26	14.63	18.14	NORM	NORM	DRY	NORM	WET	1988
1989	1.42	1.57	1.34	3.09	2.65	1.68	2.52	8.58	13.52	15.47	13.43	13.57	DRY	DRY	NORM	NORM	NORM	1989
1990	1.96	2.37	4.73	4.11	3.32	1.68	0.89	20.89	24.16	22.91	15.79	9.35	WET	WET	WET	NORM	DRY	1990
1991	1.05	2.93	4.44	4.93	2.60	0.74	3.92	20.23	26.60	22.10	12.35	15.84	WET	WET	NORM	NORM	NORM	1991
1992	1.83	1.81	1.10	1.90	7.96	5.40	2.40	8.75	9.71	28.78	34.02	25.96	DRY	DRY	WET	WET	WET	1992
1993	1.65	1.93	6.38	7.96	8.06	4.49	2.24	24.65	38.57	46.48	37.55	23.76	WET	WET	WET	WET	WET	1993
1994	0.14	3.39	1.65	4.47	1.48	1.91	2.60	11.87	20.10	15.03	13.16	13.10	NORM	NORM	NORM	NORM	NORM	1994
1995	1.40	3.93	4.35	1.48	3.08	1.90	3.46	22.31	17.07	16.55	13.34	17.26	WET	NORM	NORM	NORM	NORM	1995
1996	0.13	0.21	5.02	2.57	1.45	2.23	5.83	15.61	17.96	14.51	12.16	23.40	NORM	NORM	NORM	NORM	WET	1996
1997	0.15	2.06	5.18	2.38	3.69	1.68	2.23	19.81	19.56	21.01	14.80	13.74	NORM	NORM	NORM	NORM	NORM	1997
1998	2.33	2.85	1.87	4.32	2.83	4.00	1.52	13.64	19.55	19.00	21.98	15.39	NORM	NORM	NORM	WET	NORM	1998
1999	0.92	5.53	4.21	3.90	4.49	1.41	1.39	24.61	25.65	25.48	17.11	11.48	WET	WET	WET	NORM	NORM	1999
2000	0.59	4.05	3.98	3.81	2.44	3.73	1.75	20.63	23.44	18.92	19.88	15.15	WET	NORM	NORM	WET	NORM	2000
2001	0.76	6.68	2.25	4.51	2.90	0.46	2.16	20.87	24.71	19.97	11.69	10.30	WET	WET	NORM	NORM	NORM	2001
2002	3.18	1.25	1.21	2.82	1.44	9.24	2.19	9.31	12.13	11.17	33.42	26.49	DRY	DRY	DRY	WET	WET	2002
2003	0.33	2.84	2.85	7.17	2.80	1.56	2.93	14.56	30.05	25.59	17.45	14.71	NORM	WET	WET	NORM	NORM	2003
2004	1.68	1.17	5.25	4.03	3.54	3.46	4.79	19.77	23.76	23.93	21.49	24.83	NORM	NORM	WET	WET	WET	2004
2005	1.18	2.92	3.64	5.52	2.51	2.40	6.43	17.94	26.76	22.21	17.74	26.60	NORM	WET	NORM	NORM	WET	2005
2006	1.24	6.20	0.49	2.61	2.17	6.10	4.88	15.11	15.01	12.22	25.25	29.01	NORM	NORM	DRY	WET	WET	2006
2007	3.51	3.34	4.57	2.50	0.14	7.18	1.86	23.90	19.98	9.99	24.32	20.08	WET	NORM	DRY	WET	WET	2007
2008	0.90	3.08	3.90	2.37	2.73	1.59	1.59	18.76	17.99	16.83	12.60	10.68	NORM	NORM	NORM	NORM	NORM	2008
2009	1.19	2.39	2.01	8.36	5.57	2.86	1.24	12.00	31.49	35.44	28.08	15.01	NORM	WET	WET	WET	NORM	2009
2010	1.24	2.67	1.84	8.46	7.23	4.29	5.42	12.10	31.73	40.45	35.79	32.07	NORM	WET	WET	WET	WET	2010
2011	1.20	3.54	5.61	4.01	4.44	2.24	0.24	25.11	26.79	26.95	19.61	9.64	WET	WET	WET	NORM	DRY	2011
2012	0.45	3.36	6.20	2.23	0.43	1.80	1.12	25.77	22.45	11.95	8.49	7.39	WET	NORM	DRY	DRY	DRY	2012
2013	1.60	2.98	7.42	4.22	1.61	2.02	0.48	29.82	30.48	20.69	13.50	7.09	WET	WET	NORM	NORM	DRY	2013
2014	0.53	1.68	1.95	8.21	0.96	6.00	2.05	9.74	30.21	21.25	28.13	19.11	DRY	WET	NORM	WET	WET	2014
2015	0.30	0.93	2.43	3.91	5.50	2.25	2.82	9.45	17.52	26.75	21.66	18.46	DRY	NORM	WET	WET	WET	2015
2016	1.80	2.92	4.93	2.66	3.07	2.79	3.04	22.43	20.76	19.46	17.17	17.77	WET	NORM	NORM	NORM	NORM	2016
2017	0.52	1.52	4.60	2.31	1.93	4.75	2.85	17.36	17.65	15.01	20.42	19.98	NORM	NORM	NORM	WET	WET	2017
2018	2.56	2.71	2.85	7.37	5.14	6.89	6.25	16.53	30.52	33.01	38.32	37.67	NORM	WET	WET	WET	WET	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data
	Bound	N	Bound		
March	0.72	1.43	1.74	March	1.43
April	1.59	2.61	3.16	April	2.61
May	2.40	3.41	4.05	May	3.41
June	2.41	3.53	4.21	June	3.53
July	1.92	2.90	3.47	July	2.90
August	1.68	2.40	2.85	August	2.40
Sept.	1.51	2.45	2.96	Sept.	2.45
Jun-MAM	11.10	16.88	20.21		
Jul-JMA	13.62	20.02	23.89		
Aug-JJM	12.98	19.17	22.88		
Sep-AJJ	11.29	16.53	19.70		
Oct-SAJ	9.81	15.05	18.05		

NOTE:

Marion NWS Station (SD5228) was used for 1937; Mar-Apr 1953; 1940.

Colton NWS Station (SD1851) was used for 1937; 1940; May-Sep 1978; 1979-1986; Mar 1998; Mar-May, Aug, Sept 1999; 2001; Aug, Sept 2002.

Bridgewater NWS Station (SD1032) was used for 1950; May-Sep 1953; 1956; 1957; 1958; 1962; 1976; Mar-Apr 1978.

Rainfall Data
Mt Rushmore NATL MEM
Station #SD5870
Pennington County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.79	1.31	2.30	2.77	2.80	3.27	0.58	10.31	14.22	16.24	18.18	11.08	NORM	NORM	NORM	NORM	NORM	1980
1981	0.16	0.66	6.99	1.27	4.16	1.71	0.40	22.45	18.45	22.01	14.72	8.78	WET	NORM	NORM	NORM	NORM	1981
1982	0.94	0.83	5.34	4.14	2.01	2.06	2.01	18.62	23.93	19.65	14.34	12.16	NORM	NORM	NORM	NORM	NORM	1982
1983	1.44	0.63	3.40	3.02	0.64	1.93	0.31	12.90	16.49	11.36	10.09	5.43	NORM	NORM	DRY	DRY	DRY	1983
1984	0.49	2.83	2.16	6.24	3.39	1.14	0.98	12.63	25.87	24.81	16.44	8.61	NORM	NORM	NORM	NORM	NORM	1984
1985	0.83	0.42	0.75	1.13	1.72	0.59	2.53	3.92	5.31	8.17	6.34	10.49	DRY	DRY	DRY	DRY	NORM	1985
1986	0.71	3.28	1.63	5.56	1.10	1.97	5.97	12.16	23.22	16.05	13.67	22.95	NORM	NORM	NORM	NORM	WET	1986
1987	2.24	0.00	4.79	0.78	1.70	2.61	0.59	16.61	11.92	11.45	12.01	8.69	NORM	DRY	DRY	NORM	NORM	1987
1988	0.31	0.78	1.60	4.13	2.27	2.04	0.34	6.67	16.37	16.67	14.79	7.37	DRY	NORM	NORM	NORM	NORM	1988
1989	0.95	2.12	1.68	2.40	1.63	2.11	5.14	10.23	12.68	11.37	11.99	21.27	NORM	NORM	DRY	NORM	WET	1989
1990	1.62	2.27	6.92	2.41	5.66	1.08	1.36	26.92	23.34	28.72	16.97	11.90	WET	NORM	WET	NORM	NORM	1990
1991	0.50	4.24	6.48	5.91	2.59	0.98	1.74	28.42	34.93	26.07	14.03	9.77	WET	WET	WET	NORM	NORM	1991
1992	2.21	0.83	2.84	3.94	3.87	1.52	0.51	12.39	18.33	22.33	16.24	8.44	NORM	NORM	NORM	NORM	NORM	1992
1993	0.80	3.33	5.99	5.06	3.25	1.76	0.92	25.43	30.49	25.86	16.84	9.53	WET	WET	WET	NORM	NORM	1993
1994	0.76	0.92	2.83	1.25	1.24	3.63	0.77	11.09	10.33	9.05	14.62	10.81	NORM	DRY	DRY	NORM	NORM	1994
1995	1.31	3.19	10.25	4.97	4.39	1.41	1.47	38.44	38.60	33.36	17.98	11.62	WET	WET	WET	NORM	NORM	1995
1996	2.04	2.45	7.23	2.08	2.38	5.92	2.41	28.63	23.15	18.53	24.60	21.45	WET	NORM	NORM	WET	WET	1996
1997	0.53	3.77	6.08	2.54	5.35	2.01	3.08	26.31	23.55	27.21	19.27	18.61	WET	NORM	WET	NORM	WET	1997
1998	3.10	1.26	3.20	6.24	3.64	3.84	2.88	15.22	26.38	26.60	25.04	19.96	NORM	WET	WET	WET	WET	1998
1999	0.92	2.74	2.13	10.09	4.26	1.39	1.67	12.79	37.27	35.09	22.78	12.05	NORM	WET	WET	WET	NORM	1999
2000	1.17	4.37	2.70	1.70	2.55	0.44	0.77	18.01	14.87	13.75	8.12	5.74	NORM	NORM	NORM	DRY	DRY	2000
2001	1.04	2.14	3.62	4.58	4.91	1.87	2.40	16.18	23.12	27.51	20.01	15.85	NORM	NORM	WET	WET	WET	2001
2002	1.94	2.46	3.51	1.69	2.05	1.83	3.20	17.39	14.55	13.04	11.28	15.31	NORM	NORM	DRY	NORM	WET	2002
2003	1.71	3.83	1.65	2.16	0.35	2.47	1.51	14.32	13.61	7.02	10.27	9.82	NORM	NORM	DRY	DRY	NORM	2003
2004	0.37	1.62	2.75	1.89	3.31	1.35	2.96	11.86	12.79	16.46	12.56	14.89	NORM	NORM	NORM	NORM	WET	2004
2005	0.92	1.72	3.98	1.58	3.44	2.43	0.83	16.30	14.42	17.46	15.75	10.79	NORM	NORM	NORM	NORM	NORM	2005
2006	2.84	1.57	3.75	3.22	1.31	3.03	1.64	17.23	18.73	14.12	14.93	12.29	NORM	NORM	NORM	NORM	NORM	2006
2007	1.27	2.01	3.65	1.15	2.09	1.73	1.20	16.24	12.76	12.22	10.52	9.15	NORM	NORM	DRY	DRY	NORM	2007
2008	1.45	1.55	4.09	3.31	1.92	2.30	1.18	16.82	19.66	16.47	14.05	10.06	NORM	NORM	NORM	NORM	NORM	2008
2009	1.56	5.47	2.55	3.70	5.28	1.56	1.96	20.15	21.67	25.79	18.94	14.28	NORM	NORM	WET	NORM	NORM	2009
2010	0.35	4.36	7.49	4.02	1.72	0.92	1.63	31.54	31.40	20.69	10.22	8.45	WET	WET	NORM	DRY	NORM	2010
2011	1.43	1.18	9.16	2.48	3.81	3.24	0.67	31.27	26.94	25.55	19.82	12.30	WET	WET	WET	WET	NORM	2011
2012	0.18	2.34	3.08	1.89	4.43	0.27	0.14	14.10	14.17	20.15	11.56	5.39	NORM	NORM	NORM	NORM	DRY	2012
2013	1.02	4.39	1.58	2.17	3.56	4.72	1.31	14.54	14.06	16.60	23.45	16.93	NORM	NORM	NORM	WET	WET	2013
2014	1.14	1.36	3.47	5.22	2.87	3.06	4.84	14.27	23.96	22.52	20.14	23.51	NORM	NORM	NORM	WET	WET	2014
2015	0.18	2.48	10.13	7.75	2.40	4.24	0.28	35.53	45.99	32.83	25.27	11.72	WET	WET	WET	WET	NORM	2015
2016	1.16	1.42	4.57	1.59	5.29	2.64	1.80	17.71	15.33	23.62	20.09	15.97	NORM	NORM	NORM	WET	WET	2016
2017	0.64	4.11	2.34	3.30	4.08	1.79	1.50	15.88	18.69	21.18	16.83	12.16	NORM	NORM	NORM	NORM	NORM	2017
2018	1.77	1.74	4.98	5.88	8.90	1.17	1.40	20.19	29.34	43.44	27.19	15.44	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.59	1.17	1.43	March	1.17
April	1.23	2.21	2.72	April	2.21
May	2.30	3.95	4.80	May	3.95
June	2.25	3.74	4.53	June	3.74
July	2.10	3.16	3.78	July	3.16
August	1.36	2.04	2.44	August	2.04
Sept.	0.69	1.55	1.89	Sept.	1.55
Jun-MAM	9.95	17.44	21.27		
Jul-JMA	12.58	21.33	25.91		
Aug-JJM	13.10	20.91	25.20		
Sep-AJJ	10.53	16.18	19.41		
Oct-SAJ	6.89	11.89	14.33		

Rainfall Data
Murdo
Station #SD5891
Jones County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1980	1.24	0.36	1.21	1.72	1.51	1.92	0.33	5.59	7.94	9.18	10.50	6.34	DRY	DRY	DRY	NORM	NORM	1980
1981	0.90	0.51	2.85	2.51	6.47	2.71	0.38	10.47	13.74	27.28	23.58	13.03	NORM	NORM	WET	WET	WET	1981
1982	2.30	1.30	6.43	3.31	3.67	2.39	1.65	24.19	24.09	24.06	17.82	13.40	WET	WET	WET	WET	WET	1982
1983	2.52	1.73	4.51	2.63	1.80	0.93	0.46	19.51	18.64	15.17	9.02	5.04	WET	NORM	NORM	NORM	NORM	1983
1984	1.90	3.08	2.88	3.13	2.56	1.70	0.80	16.70	18.23	16.82	13.35	8.36	NORM	NORM	NORM	NORM	NORM	1984
1985	2.29	1.21	0.55	3.77	2.52	2.66	2.10	6.36	13.62	15.65	16.79	14.14	DRY	NORM	NORM	WET	WET	1985
1986	3.11	5.63	3.78	5.85	2.95	0.83	2.32	25.71	30.74	24.33	14.24	11.57	WET	WET	WET	NORM	NORM	1986
1987	4.05	0.18	2.51	2.45	1.91	1.96	0.63	11.94	12.55	13.14	12.15	7.72	NORM	NORM	NORM	NORM	NORM	1987
1988	0.39	1.12	3.02	5.19	0.36	0.81	1.37	11.69	22.73	14.48	8.34	6.09	NORM	WET	NORM	NORM	NORM	1988
1989	1.45	1.24	1.57	0.90	2.03	0.24	3.90	8.64	7.08	9.46	5.68	14.21	DRY	DRY	DRY	DRY	WET	1989
1990	1.51	1.87	2.95	3.65	2.80	0.47	0.63	14.10	18.72	18.65	10.66	5.63	NORM	NORM	NORM	NORM	NORM	1990
1991	0.44	3.25	4.45	6.50	1.38	2.13	1.15	20.29	31.65	21.59	15.65	9.09	WET	WET	NORM	NORM	NORM	1991
1992	2.05	0.00	0.82	4.95	6.16	1.77	0.94	4.51	16.49	29.20	22.58	12.52	DRY	NORM	WET	WET	WET	1992
1993	0.86	3.32	3.55	5.52	4.28	0.88	1.30	18.15	26.98	27.43	16.72	9.94	NORM	WET	WET	NORM	NORM	1993
1994	0.25	2.15	2.80	2.50	3.65	1.65	0.63	12.95	15.25	18.75	14.75	8.84	NORM	NORM	NORM	NORM	NORM	1994
1995	1.90	5.47	4.49	5.65	1.83	0.97	1.24	26.31	31.40	21.28	12.22	7.49	WET	WET	NORM	NORM	NORM	1995
1996	0.69	1.27	5.49	1.36	1.28	0.38	4.64	19.70	16.33	12.05	5.06	15.96	WET	NORM	NORM	DRY	WET	1996
1997	0.16	2.74	3.29	6.61	6.29	1.67	0.73	15.51	29.15	35.38	24.20	11.82	NORM	WET	WET	WET	NORM	1997
1998	3.27	0.52	2.52	4.85	5.23	2.23	0.28	11.87	20.11	27.91	22.00	10.53	NORM	NORM	WET	WET	NORM	1998
1999	1.04	2.76	4.78	2.75	1.68	3.88	3.00	20.90	20.57	15.32	17.75	18.44	WET	NORM	NORM	WET	WET	1999
2000	1.64	3.23	1.63	1.76	2.96	0.34	0.08	12.99	11.77	14.03	8.70	3.88	NORM	NORM	NORM	NORM	DRY	2000
2001	0.19	3.79	3.74	3.23	4.77	0.37	1.61	18.99	20.96	24.51	13.88	10.34	WET	NORM	WET	NORM	NORM	2001
2002	0.76	0.80	1.14	0.21	1.73	2.38	1.80	5.78	3.71	6.75	10.81	11.89	DRY	DRY	DRY	NORM	NORM	2002
2003	0.96	5.12	2.19	2.15	0.39	0.39	0.94	17.77	15.95	7.66	4.10	3.99	NORM	NORM	DRY	DRY	DRY	2003
2004	2.10	0.83	2.80	2.33	1.43	1.17	4.22	12.16	13.42	11.75	8.70	16.43	NORM	NORM	NORM	NORM	WET	2004
2005	1.2	4.51	3.4	4.08	1.31	0.97	0.88	20.42	23.55	15.49	9.61	5.89	WET	WET	NORM	NORM	NORM	2005
2006	2.26	1.05	1.07	0.97	0.38	2.55	2.56	7.57	6.10	4.15	9.38	13.16	DRY	DRY	DRY	NORM	WET	2006
2007	2.37	1.84	4.97	2.68	0.50	2.62	2.10	20.96	19.82	11.83	11.54	12.04	WET	NORM	NORM	NORM	WET	2007
2008	0.74	1.29	4.67	5.45	1.14	2.36	1.80	17.33	26.98	18.99	14.81	11.26	NORM	WET	NORM	NORM	NORM	2008
2009	1.31	2.73	0.66	2.45	4.01	5.40	0.25	8.75	11.40	17.59	26.67	15.56	DRY	NORM	NORM	WET	WET	2009
2010	2.26	2.88	2.83	4.25	2.57	1.74	2.09	16.51	21.29	19.04	14.61	12.32	NORM	NORM	NORM	NORM	WET	2010
2011	1.25	2.01	4.09	7.28	7.26	4.03	0.53	17.54	32.03	40.43	33.89	16.91	NORM	WET	WET	WET	WET	2011
2012	0.13	3.76	1.94	2.27	0.55	0.10	0.04	13.47	14.45	8.13	3.67	0.87	NORM	NORM	DRY	DRY	DRY	2012
2013	0.40	1.68	5.35	3.94	4.25	3.37	0.94	19.81	24.20	25.98	22.55	13.81	WET	WET	WET	WET	WET	2013
2014	0.26	2.63	3.80	3.31	0.25	5.00	1.15	16.92	20.16	11.17	18.81	13.70	NORM	NORM	NORM	WET	WET	2014
2015	0.25	0.37	6.40	5.12	2.90	4.02	0.64	20.19	28.53	25.34	22.98	12.86	WET	WET	WET	WET	WET	2015
2016	1.15	4.18	1.55	2.24	3.56	4.16	0.96	14.16	14.00	16.71	21.84	14.76	NORM	NORM	NORM	WET	WET	2016
2017	0.84	1.97	1.28	2.66	0.85	4.02	1.84	8.62	12.51	9.15	16.42	14.41	DRY	NORM	DRY	NORM	WET	2017
2018	1.75	1.16	2.18	4.26	2.34	3.51	1.13	10.61	18.30	17.72	19.47	12.75	NORM	NORM	NORM	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.69	1.67	2.03	March	1.67
April	1.07	2.24	2.76	April	2.24
May	2.02	2.98	3.56	May	2.98
June	1.96	3.33	4.05	June	3.33
July	1.67	2.79	3.39	July	2.79
August	0.93	1.63	1.98	August	1.63
Sept.	0.47	1.25	1.54	Sept.	1.25
Jun-MAM	8.89	15.09	18.23		
Jul-JMA	10.99	18.19	22.03		
Aug-JJM	10.95	18.01	21.83		
Sep-AJJ	8.09	13.80	16.77		
Oct-SAJ	4.94	9.80	11.97		

Rainfall Data
Newell
Station #SD6054
Butte County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.61	0.69	0.96	3.58	0.94	2.51	0.55	4.87	13.35	10.94	12.99	7.61	DRY	NORM	NORM	WET	NORM	1980
1981	0.00	0.04	2.67	3.73	4.07	1.18	1.20	8.09	16.57	22.34	15.41	10.03	NORM	NORM	WET	WET	WET	1981
1982	3.31	1.07	8.10	3.72	1.56	1.71	1.39	29.75	28.43	20.22	11.97	9.15	WET	WET	WET	NORM	WET	1982
1983	1.69	0.86	1.75	0.64	1.87	2.17	0.78	8.66	6.28	8.64	10.89	8.55	NORM	DRY	NORM	NORM	NORM	1983
1984	0.64	2.85	0.81	5.43	0.77	2.35	0.60	8.77	20.76	13.98	14.02	7.27	NORM	WET	NORM	WET	NORM	1984
1985	0.93	0.38	0.62	1.47	0.89	0.41	0.75	3.55	6.03	6.23	4.48	3.96	DRY	DRY	DRY	DRY	NORM	1985
1986	0.74	3.57	2.63	2.33	1.37	0.42	6.25	15.77	15.82	11.40	6.33	20.96	WET	NORM	NORM	NORM	WET	1986
1987	1.28	0.34	4.39	0.19	2.58	3.85	0.80	15.13	9.69	12.51	16.90	12.68	NORM	NORM	NORM	WET	WET	1987
1988	1.36	0.71	2.02	2.57	0.63	0.69	1.17	8.84	12.46	9.05	5.90	5.52	NORM	NORM	NORM	NORM	NORM	1988
1989	1.46	2.64	1.07	1.41	0.97	0.18	1.52	9.95	9.01	6.80	3.89	5.89	NORM	NORM	DRY	DRY	NORM	1989
1990	0.43	2.20	3.21	1.13	2.74	0.11	1.00	14.46	12.01	13.69	6.94	5.96	NORM	NORM	NORM	NORM	NORM	1990
1991	0.93	2.99	4.13	1.46	0.19	0.11	0.20	19.30	15.63	7.62	2.17	1.01	WET	NORM	DRY	DRY	DRY	1991
1992	0.75	1.21	2.01	1.66	3.46	0.96	0.38	9.20	10.21	15.71	11.46	6.52	NORM	NORM	NORM	NORM	NORM	1992
1993	1.13	1.87	3.41	4.14	5.49	0.79	1.18	15.10	21.11	28.16	17.49	10.61	NORM	WET	WET	WET	WET	1993
1994	0.25	2.07	0.37	2.25	1.99	1.07	0.33	5.50	9.56	10.84	9.44	5.12	DRY	NORM	NORM	NORM	NORM	1994
1995	0.72	2.46	5.58	3.55	1.83	0.55	0.57	22.38	24.27	18.17	8.86	4.64	WET	WET	WET	NORM	NORM	1995
1996	1.06	2.02	6.52	0.77	0.91	1.03	1.88	24.66	17.37	10.79	5.68	8.61	WET	NORM	NORM	NORM	NORM	1996
1997	0.23	2.21	3.52	1.69	2.64	0.31	0.49	15.21	14.32	14.82	7.90	4.73	WET	NORM	NORM	NORM	NORM	1997
1998	1.06	0.40	0.71	7.07	2.80	2.06	1.88	3.99	23.03	23.25	18.85	12.56	DRY	WET	WET	WET	WET	1998
1999	0.66	2.84	2.04	6.84	2.54	2.18	0.14	12.46	27.44	23.34	18.46	7.32	NORM	WET	WET	WET	NORM	1999
2000	1.00	1.37	2.64	2.82	1.72	0.10	0.33	11.66	15.11	13.44	6.56	2.91	NORM	NORM	NORM	NORM	DRY	2000
2001	0.25	1.08	0.68	4.11	2.36	0.51	0.26	4.45	14.77	15.98	10.36	4.16	DRY	NORM	NORM	NORM	NORM	2001
2002	0.66	0.74	1.92	0.92	1.75	0.90	2.52	7.90	7.34	9.01	7.12	11.11	NORM	DRY	NORM	NORM	WET	2002
2003	1.70	1.42	1.88	2.30	0.21	1.04	2.09	10.18	12.08	7.11	5.84	8.56	NORM	NORM	DRY	NORM	NORM	2003
2004	1.16	1.23	3.28	0.81	2.87	0.48	0.76	13.46	10.22	13.51	7.99	6.11	NORM	NORM	NORM	NORM	NORM	2004
2005	0.39	1.9	3.88	5.05	0.38	2.43	0.71	15.83	24.81	15.12	13.10	7.37	WET	WET	NORM	WET	NORM	2005
2006	1.00	4.25	2.11	0.40	0.18	0.85	2.46	15.83	9.67	3.45	3.31	9.26	WET	NORM	DRY	DRY	WET	2006
2007	1.63	0.92	3.81	3.05	1.44	1.77	0.26	14.90	17.69	14.23	11.24	5.76	NORM	NORM	NORM	NORM	NORM	2007
2008	0.33	0.60	9.37	5.18	2.23	0.46	0.57	29.64	34.88	26.42	11.02	4.86	WET	WET	WET	NORM	NORM	2008
2009	2.82	2.06	0.72	2.95	2.11	2.33	0.28	9.10	12.35	12.95	14.16	7.61	NORM	NORM	NORM	WET	NORM	2009
2010	0.41	1.57	4.95	2.85	0.99	1.72	1.23	18.40	20.02	13.62	9.99	8.12	WET	WET	NORM	NORM	NORM	2010
2011	1.15	1.05	7.17	1.08	1.84	1.62	0.44	24.76	18.63	14.85	9.62	6.40	WET	NORM	NORM	NORM	NORM	2011
2012	0.19	1.87	2.15	0.84	2.68	0.72	0.00	10.38	8.69	11.87	8.36	4.12	NORM	NORM	NORM	NORM	NORM	2012
2013	0.12	1.76	6.49	1.89	2.28	1.56	1.21	23.11	20.41	17.11	11.13	9.03	WET	WET	WET	NORM	NORM	2013
2014	0.92	2.27	1.14	5.80	0.18	2.69	2.24	8.88	21.95	13.28	14.23	12.28	NORM	WET	NORM	WET	WET	2014
2015	0.01	0.95	5.17	6.29	0.65	3.75	0.26	17.42	30.16	19.70	18.84	8.93	WET	WET	WET	WET	NORM	2015
2016	0.87	2.81	0.28	1.85	2.03	1.18	2.22	7.33	8.92	10.07	9.45	11.05	NORM	NORM	NORM	NORM	WET	2016
2017	0.53	3.05	0.87	3.66	4.79	0.49	1.54	9.24	15.77	22.56	14.71	10.39	NORM	NORM	WET	WET	WET	2017
2018	0.93	1.43	2.75	5.76	2.13	1.97	2.79	12.04	24.21	20.66	15.93	14.44	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.5	0.94	1.16	March	0.94
April	0.91	1.69	2.07	April	1.69
May	1.57	2.70	3.28	May	2.70
June	1.54	2.80	3.41	June	2.80
July	1.11	1.91	2.32	July	1.91
August	0.53	1.30	1.58	August	1.30
Sept.	0.43	0.99	1.22	Sept.	0.99

Jun-MAM	7.03	12.42	15.14
Jul-JMA	8.67	15.49	18.86
Aug-JJM	7.98	14.03	17.06
Sep-AJJ	5.35	10.52	12.79
Oct-SAJ	3.46	7.48	9.14

NOTE:

Belle Fourche NWS Station (SD0559) was used for May 1985.

Rainfall Data
Oahe Dam
Station #SD6170
Stanley County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1949	0.56	1.65	3.72	0.73	1.54	2.09	1.33	15.02	11.28	9.80	10.08	9.71	WET	NORM	NORM	NORM	NORM	1949
1968	0.20	3.05	1.39	5.66	2.45	2.63	0.54	10.47	22.81	20.06	18.45	9.33	NORM	WET	WET	WET	NORM	1968
1969	0.18	0.83	1.01	2.78	3.95	0.83	1.36	4.87	11.19	18.42	13.17	9.69	DRY	NORM	WET	NORM	NORM	1969
1970	0.48	2.57	0.92	2.16	2.13	3.44	2.19	8.38	10.89	11.63	16.74	15.58	NORM	NORM	NORM	WET	WET	1970
1971	0.13	4.57	1.13	2.29	0.56	2.20	0.81	12.66	13.70	7.39	10.01	7.39	NORM	NORM	DRY	NORM	NORM	1971
1976	0.44	1.07	0.63	0.20	0.63	0.19	0.28	4.47	2.93	2.92	2.03	1.85	DRY	DRY	DRY	DRY	DRY	1976
1979	0.96	1.05	1.26	3.39	3.67	1.84	0.04	6.84	13.74	19.05	16.25	7.47	NORM	NORM	WET	WET	NORM	1979
1980	0.60	0.07	0.45	3.40	0.90	1.06	0.79	2.09	11.17	9.95	8.38	5.39	DRY	NORM	NORM	NORM	NORM	1980
1981	1.08	0.12	2.89	1.95	3.56	1.66	0.31	9.99	11.75	17.47	14.05	7.81	NORM	NORM	NORM	NORM	NORM	1981
1982	1.25	0.49	5.65	2.61	4.32	1.58	0.83	19.18	19.62	23.83	15.99	9.97	WET	WET	WET	WET	NORM	1982
1983	0.31	0.98	3.34	3.44	1.02	1.37	0.72	12.29	17.98	13.28	9.59	5.92	NORM	NORM	NORM	NORM	NORM	1983
1984	0.90	2.50	3.33	6.93	2.56	0.98	0.64	15.89	29.95	24.87	14.99	6.44	WET	WET	WET	WET	NORM	1984
1985	0.49	0.73	1.02	1.95	1.45	1.84	2.24	5.01	8.62	9.27	10.37	11.85	DRY	NORM	NORM	NORM	WET	1985
1986	1.18	4.18	3.27	2.86	3.04	0.92	1.51	19.35	19.30	18.11	11.70	9.41	WET	WET	NORM	NORM	NORM	1986
1987	1.52	0.00	3.13	1.18	1.39	2.59	0.46	10.91	9.80	9.66	11.73	7.95	NORM	NORM	NORM	NORM	NORM	1987
1988	0.00	0.62	2.50	3.69	0.09	2.14	0.92	8.74	16.69	10.15	10.29	7.13	NORM	NORM	NORM	NORM	NORM	1988
1989	0.98	1.35	0.98	0.37	2.32	1.36	3.64	6.62	4.42	8.68	9.09	15.96	NORM	DRY	NORM	NORM	WET	1989
1990	0.63	2.37	0.40	0.98	1.71	0.46	0.65	6.57	6.11	7.49	5.78	4.58	NORM	DRY	DRY	DRY	NORM	1990
1991	0.32	2.13	6.01	4.00	1.11	1.28	0.81	22.61	26.15	17.34	10.06	6.10	WET	WET	NORM	NORM	NORM	1991
1992	0.46	0.19	0.72	3.78	6.31	1.48	0.69	3.00	12.97	27.21	20.84	11.34	DRY	NORM	WET	WET	WET	1992
1993	1.43	1.80	1.91	3.03	5.48	0.53	1.51	10.76	14.71	24.41	15.58	11.07	NORM	NORM	WET	WET	WET	1993
1994	0.03	0.91	1.25	2.26	2.90	1.32	0.60	5.60	10.19	14.47	12.02	7.34	DRY	NORM	NORM	NORM	NORM	1994
1995	0.23	1.92	5.16	5.41	2.68	1.22	1.01	19.55	28.47	24.02	14.43	8.15	WET	WET	WET	WET	NORM	1995
1996	0.61	0.55	5.11	0.83	1.72	1.54	4.07	17.04	13.26	11.93	8.89	17.01	WET	NORM	NORM	NORM	WET	1996
1997	0.12	1.58	2.62	3.51	4.80	3.69	0.65	11.14	17.35	24.04	24.18	14.13	NORM	NORM	WET	WET	WET	1997
1998	1.71	0.77	2.74	4.79	1.67	1.45	0.00	11.47	20.62	17.33	12.48	4.57	NORM	WET	NORM	NORM	NORM	1998
1999	0.54	2.72	4.24	4.35	2.72	5.05	7.64	18.70	24.25	21.10	24.94	35.74	WET	WET	WET	WET	WET	1999
2000	0.78	1.21	3.64	2.64	2.17	0.14	0.04	14.12	16.41	15.43	7.40	2.57	NORM	NORM	NORM	NORM	DRY	2000
2001	0.04	1.49	2.59	2.23	4.99	0.00	1.56	10.79	13.36	22.02	12.21	9.67	NORM	NORM	WET	NORM	NORM	2001
2002	0.52	0.70	1.02	2.54	2.20	2.57	1.26	4.98	10.36	12.70	14.65	11.12	DRY	NORM	NORM	WET	WET	2002
2003	0.14	2.10	3.81	1.11	0.58	0.63	0.48	15.77	13.05	7.77	4.16	3.28	WET	NORM	DRY	DRY	DRY	2003
2004	1.94	0.19	2.22	2.69	2.39	1.70	5.76	8.98	12.70	14.77	12.57	23.07	NORM	NORM	NORM	NORM	WET	2004
2005	0.61	2.21	2.55	3.22	0.32	0.38	0.42	12.68	16.97	9.95	5.00	2.34	NORM	NORM	NORM	DRY	DRY	2005
2006	0.75	0.43	0.76	1.00	1.24	3.26	2.03	3.89	4.95	6.48	13.26	13.85	DRY	DRY	DRY	NORM	WET	2006
2007	1.08	2.85	3.27	1.40	0.31	0.32	0.41	16.59	13.59	7.00	2.98	2.18	WET	NORM	DRY	DRY	DRY	2007
2008	0.25	0.44	2.87	3.64	2.63	0.61	0.38	9.74	17.10	18.04	10.73	4.99	NORM	NORM	NORM	NORM	NORM	2008
2009	0.78	1.08	0.63	1.94	1.55	3.72	0.23	4.83	8.16	9.16	16.20	9.68	DRY	DRY	NORM	WET	NORM	2009
2010	1.44	2.16	1.97	4.37	2.16	2.32	3.22	11.67	19.21	17.19	15.65	16.46	NORM	WET	NORM	WET	WET	2010
2011	0.81	0.00	3.09	3.83	3.41	1.21	0.45	10.08	17.67	20.98	14.28	7.18	NORM	NORM	WET	WET	NORM	2011
2012	0.00	2.28	1.75	1.47	1.92	0.33	0.00	9.81	10.19	10.45	6.30	2.58	NORM	NORM	NORM	NORM	DRY	2012
2013	0.13	2.88	3.36	2.96	1.23	2.52	1.16	15.97	18.48	12.97	12.98	9.75	WET	WET	NORM	NORM	NORM	2013
2014	0.18	1.97	1.39	4.34	0.48	3.80	0.61	8.29	17.77	11.51	16.70	9.91	NORM	NORM	NORM	WET	NORM	2014
2015	0.25	0.20	5.24	5.23	0.74	2.07	0.66	16.37	26.37	17.92	12.92	6.86	WET	WET	NORM	NORM	NORM	2015
2016	1.21	4.40	1.21	1.60	1.88	3.50	1.70	13.64	11.62	10.05	15.86	13.98	NORM	NORM	NORM	WET	WET	2016
2017	0.12	1.78	1.10	2.79	0.34	2.50	1.86	6.98	12.35	7.70	10.97	10.92	NORM	NORM	DRY	NORM	WET	2017
2018	0.94	0.37	2.86	4.84	1.26	1.21	0.43	10.26	20.61	16.32	10.99	4.97	NORM	WET	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.34	0.77	0.94	March	0.77
April	0.66	1.47	1.81	April	1.47
May	1.62	2.71	3.29	May	2.71
June	1.52	2.72	3.32	June	2.72
July	1.09	2.28	2.78	July	2.28
August	0.81	1.43	1.74	August	1.43
Sept.	0.40	1.16	1.42	Sept.	1.16
Jun-MAM	6.52	11.84	14.43		
Jul-JMA	8.46	15.05	18.35		
Aug-JJM	7.93	14.99	18.27		
Sep-AJJ	6.13	11.57	14.10		
Oct-SAJ	3.91	8.62	10.52		

NOTE:

Pierre Regional AP NWS Station (SD6597) was used for Mar, Jul 2011;
Aug 2012.
Pierre RGNL AP NWS Station (SD025) was used for 1949; Apr, Jun, Aug,
Sep 2013; Apr, Sep 2014; Apr, May 2017.

Rainfall Data
Oelrichs
Station #SD6212
Fall River County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	1.34	0.79	1.94	5.31	1.80	2.98	0.15	8.74	20.60	17.96	17.85	8.21	NORM	WET	NORM	WET	NORM	1980
1981	0.43	0.90	3.72	1.20	3.06	0.63	0.54	13.39	11.94	15.30	9.21	5.94	NORM	NORM	NORM	NORM	NORM	1981
1982	1.16	1.04	7.39	4.37	0.72	2.54	2.59	25.41	28.93	18.29	13.43	13.57	WET	WET	WET	NORM	WET	1982
1983	1.54	0.97	3.08	2.91	2.39	2.27	0.30	12.72	15.86	16.07	14.50	7.83	NORM	NORM	NORM	NORM	NORM	1983
1984	0.51	2.98	2.31	2.72	2.20	0.43	0.41	13.40	15.76	14.35	8.41	4.29	NORM	NORM	NORM	NORM	DRY	1984
1985	1.00	1.22	1.09	1.31	1.58	0.64	2.47	6.71	7.33	8.45	6.39	10.27	DRY	DRY	DRY	DRY	NORM	1985
1986	0.72	4.23	1.26	7.01	1.50	0.68	2.86	12.96	27.78	19.78	12.05	11.44	NORM	WET	WET	NORM	WET	1986
1987	2.31	0.00	4.32	1.93	0.60	1.03	0.74	15.27	14.43	9.98	6.22	4.88	NORM	NORM	NORM	DRY	NORM	1987
1988	0.20	0.57	4.23	2.32	2.91	1.03	1.38	14.03	15.99	17.60	11.23	9.11	NORM	NORM	NORM	NORM	NORM	1988
1989	1.09	1.56	1.00	1.56	1.88	1.77	3.12	7.21	8.24	9.76	10.63	14.78	DRY	DRY	NORM	NORM	WET	1989
1990	1.29	1.52	3.38	1.43	3.15	0.82	1.16	14.47	12.57	15.69	10.19	8.27	NORM	NORM	NORM	NORM	NORM	1990
1991	0.52	2.34	8.52	4.25	0.80	2.13	0.69	30.76	32.13	19.42	12.24	7.13	WET	WET	WET	NORM	NORM	1991
1992	1.98	0.57	3.25	2.85	3.56	1.44	0.23	12.87	15.62	19.63	14.29	7.13	NORM	NORM	WET	NORM	NORM	1992
1993	0.92	1.58	1.93	5.98	3.44	1.29	1.57	9.87	23.38	24.21	16.73	10.73	NORM	WET	WET	WET	NORM	1993
1994	0.33	0.57	1.03	2.20	1.74	1.69	0.44	4.56	9.23	10.65	10.75	6.44	DRY	DRY	NORM	NORM	NORM	1994
1995	0.32	1.68	3.98	3.30	3.44	0.17	2.28	15.62	19.54	20.90	10.69	10.62	NORM	NORM	WET	NORM	NORM	1995
1996	0.67	2.07	3.86	0.88	1.09	3.57	1.62	16.39	12.43	8.89	13.77	13.09	NORM	NORM	DRY	NORM	WET	1996
1997	0.27	3.16	3.71	4.31	5.11	1.81	0.85	17.72	23.51	27.66	19.96	11.28	WET	WET	WET	WET	NORM	1997
1998	1.66	0.11	2.47	3.10	3.30	3.03	2.37	9.29	14.35	18.57	18.79	16.47	NORM	NORM	WET	WET	WET	1998
1999	0.45	3.70	3.10	6.23	1.04	2.17	1.71	17.15	28.59	18.68	14.82	10.51	NORM	WET	WET	WET	NORM	1999
2000	2.25	4.64	2.42	1.02	1.01	0.39	1.19	18.79	12.54	7.49	4.21	5.36	WET	NORM	DRY	DRY	NORM	2000
2001	1.41	1.80	1.31	3.66	1.23	0.85	0.42	8.94	15.40	12.32	8.67	4.19	NORM	NORM	NORM	NORM	DRY	2001
2002	1.69	1.23	1.94	0.98	0.68	2.58	2.84	9.97	8.05	5.94	10.08	14.36	NORM	DRY	DRY	NORM	WET	2002
2003	3.80	2.68	2.14	4.83	0.23	0.83	1.65	15.58	21.45	12.49	7.78	6.84	NORM	WET	NORM	NORM	NORM	2003
2004	0.93	0.58	0.77	0.65	1.68	0.84	2.89	4.40	4.07	7.11	6.53	12.03	DRY	DRY	DRY	DRY	WET	2004
2005	0.56	2.90	3.16	5.73	3.27	1.59	0.97	15.84	26.41	24.43	17.04	9.36	NORM	WET	WET	WET	NORM	2005
2006	1.85	2.06	1.92	2.63	1.51	1.66	1.18	11.73	13.79	11.71	10.63	8.37	NORM	NORM	NORM	NORM	NORM	2006
2007	0.98	1.49	2.22	1.01	0.61	1.91	1.92	10.62	8.96	6.07	7.96	10.19	NORM	DRY	DRY	NORM	NORM	2007
2008	0.38	1.00	1.95	1.90	3.35	0.47	0.68	8.23	10.60	15.80	10.01	6.33	DRY	NORM	NORM	NORM	NORM	2008
2009	3.17	3.80	0.71	2.79	0.19	1.91	0.77	12.90	13.59	6.86	8.90	6.32	NORM	NORM	DRY	NORM	NORM	2009
2010	0.46	4.20	4.66	3.91	1.49	0.87	1.02	22.84	25.25	16.95	9.50	6.29	WET	WET	NORM	NORM	NORM	2010
2011	0.50	1.26	5.45	2.70	0.76	1.52	1.28	19.37	20.26	13.13	8.78	7.64	WET	WET	NORM	NORM	NORM	2011
2012	0.12	1.76	2.66	4.80	0.61	0.19	0.18	11.62	21.48	14.09	6.59	1.53	NORM	WET	NORM	DRY	DRY	2012
2013	0.33	2.38	2.39	1.84	4.16	2.04	1.82	12.26	12.68	18.55	16.28	13.70	NORM	NORM	WET	WET	WET	2013
2014	0.62	3.72	3.18	3.99	0.99	3.26	3.83	17.60	22.05	14.13	15.75	19.00	WET	WET	NORM	WET	WET	2014
2015	0.20	1.63	5.93	6.05	1.51	1.55	0.52	21.25	31.64	22.56	13.72	6.17	WET	WET	WET	NORM	NORM	2015
2016	1.24	2.44	2.09	2.34	0.94	1.34	1.51	12.39	13.64	9.59	8.24	8.15	NORM	NORM	NORM	NORM	NORM	2016
2017	1.30	2.79	2.10	2.28	1.40	0.78	1.21	13.18	13.83	10.86	7.42	6.59	NORM	NORM	NORM	NORM	NORM	2017
2018	0.95	1.26	6.06	3.88	4.34	1.93	1.36	21.65	25.02	26.84	18.35	12.28	WET	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.52	0.98	1.20	March	0.98
April	1.05	1.96	2.41	April	1.96
May	2.02	3.12	3.75	May	3.12
June	1.72	2.80	3.38	June	2.80
July	1.33	2.14	2.58	July	2.14
August	0.84	1.67	2.03	August	1.67
Sept.	0.59	1.30	1.58	Sept.	1.30

NOTE:

Ardmore 2N NWS Station (SD0236) was used for Aug 1985; Mar, May, Jun 2009.

Hot Springs NWS Station (SD4007) was used for Apr 2009.

Jun-MAM	8.68	14.26	17.27
Jul-JMA	10.25	16.60	20.05
Aug-JJM	9.45	15.14	18.25
Sep-AJJ	6.90	12.09	14.63
Oct-SAJ	4.78	9.38	11.38

Rainfall Data
Onaka 2 N
Station #SD6282
Faulk County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1950	0.91	0.48	1.57	0.46	1.35	0.90	1.30	6.58	5.00	6.54	5.86	7.05	NORM	DRY	DRY	DRY	NORM	1950
1957	0.10	2.19	4.84	3.76	3.32	3.09	2.14	19.00	23.15	22.32	19.67	15.92	WET	WET	WET	WET	WET	1957
1962	0.40	0.66	5.43	7.06	2.73	1.85	1.98	18.01	32.70	27.74	18.07	12.37	WET	WET	WET	NORM	NORM	1962
1964	0.41	3.58	2.79	7.97	2.73	1.77	0.24	15.94	33.07	26.92	18.74	6.99	WET	WET	WET	WET	NORM	1964
1968	1.32	4.01	3.33	5.10	2.39	1.77	2.13	19.33	25.97	20.70	15.19	12.32	WET	WET	WET	NORM	NORM	1968
1970	0.36	2.11	1.90	2.50	1.14	0.78	1.99	10.28	13.41	10.32	7.12	8.67	NORM	NORM	NORM	DRY	NORM	1970
1974	0.51	1.92	4.43	1.07	2.39	2.02	0.19	17.64	13.99	13.74	11.91	7.00	WET	NORM	NORM	NORM	NORM	1974
1977	3.62	1.15	2.79	3.43	1.54	2.79	2.35	14.29	17.02	14.27	14.88	14.17	NORM	NORM	NORM	NORM	NORM	1977
1978	0.31	2.70	1.88	6.01	2.03	2.80	0.34	11.35	24.49	19.99	18.47	8.65	NORM	WET	NORM	NORM	NORM	1978
1980	0.33	0.91	0.27	2.42	2.72	1.98	1.22	2.96	8.71	13.27	13.80	10.34	DRY	DRY	NORM	NORM	NORM	1980
1981	3.03	0.17	1.73	2.61	2.06	2.27	0.85	8.56	11.46	13.13	13.54	9.15	NORM	NORM	NORM	NORM	NORM	1981
1982	0.91	1.71	4.14	1.37	1.09	0.42	1.38	16.75	14.10	10.15	4.81	6.07	WET	NORM	NORM	DRY	DRY	1982
1983	1.26	1.06	3.56	2.40	4.59	4.45	1.41	14.06	15.38	22.13	24.93	17.72	NORM	NORM	WET	WET	WET	1983
1984	1.88	2.54	1.62	9.23	2.54	0.42	1.54	11.82	33.47	27.70	15.57	8.00	NORM	WET	WET	NORM	NORM	1984
1985	0.83	0.67	0.86	1.38	1.73	4.18	3.71	4.75	6.53	8.81	17.38	21.22	DRY	DRY	DRY	NORM	WET	1985
1986	0.76	5.59	2.95	2.42	4.82	2.92	1.94	20.79	18.75	22.25	20.82	16.48	WET	NORM	WET	WET	WET	1986
1987	2.09	0.00	1.50	0.77	4.57	0.97	0.40	6.59	5.31	16.75	12.82	7.71	NORM	DRY	NORM	NORM	NORM	1987
1988	0.03	0.64	2.46	1.04	0.70	1.54	1.42	8.69	8.68	6.64	7.06	8.04	NORM	DRY	DRY	DRY	NORM	1988
1989	1.70	4.05	0.68	2.49	1.24	2.91	2.74	11.84	12.88	9.38	13.70	15.28	NORM	NORM	DRY	NORM	NORM	1989
1990	1.24	1.27	1.71	5.66	3.70	2.97	1.90	8.91	21.67	24.13	21.97	15.34	NORM	WET	WET	WET	NORM	1990
1991	0.48	2.60	6.81	8.06	2.74	1.99	1.09	26.11	40.40	31.15	19.51	9.99	WET	WET	WET	WET	NORM	1991
1992	0.48	0.18	1.00	3.61	4.35	3.87	1.07	3.84	13.01	21.27	23.92	15.30	DRY	NORM	WET	WET	NORM	1992
1993	0.23	1.52	3.18	5.14	7.37	1.99	1.49	12.81	23.30	35.57	25.85	15.82	NORM	WET	WET	WET	WET	1993
1994	0.20	1.68	0.51	1.21	6.01	1.11	2.47	5.09	6.33	20.96	16.56	15.64	DRY	DRY	WET	NORM	WET	1994
1995	1.33	2.75	4.97	3.46	1.95	1.74	0.36	21.74	23.07	17.74	12.58	6.51	WET	WET	NORM	NORM	NORM	1995
1996	0.51	0.40	3.33	2.42	2.27	0.49	6.52	11.30	14.32	14.98	8.43	22.81	NORM	NORM	NORM	DRY	WET	1996
1997	0.34	2.17	2.59	2.67	3.15	0.80	1.22	12.45	15.36	17.38	11.37	8.41	NORM	NORM	NORM	NORM	NORM	1997
1998	1.10	0.80	2.49	2.33	2.00	4.68	0.00	10.17	12.77	13.15	20.37	11.36	NORM	NORM	NORM	WET	NORM	1998
1999	0.79	2.40	4.55	3.53	1.33	3.07	8.36	19.24	22.09	15.60	15.40	32.55	WET	WET	NORM	NORM	WET	1999
2000	1.74	1.82	2.86	3.30	2.19	5.31	0.88	13.96	17.44	16.03	23.61	15.45	NORM	NORM	NORM	WET	NORM	2000
2001	0.13	3.70	1.55	2.80	4.87	0.94	1.62	12.18	15.20	21.76	15.36	11.61	NORM	NORM	WET	NORM	NORM	2001
2002	0.75	0.83	0.71	0.92	2.73	4.86	2.19	4.54	5.01	10.74	20.96	19.02	DRY	DRY	NORM	WET	WET	2002
2003	0.33	1.99	6.61	4.41	2.22	0.14	1.10	24.14	28.44	22.09	9.27	5.80	WET	WET	WET	NORM	DRY	2003
2004	2.45	0.83	4.32	3.15	2.52	0.85	2.79	17.07	18.92	18.18	10.74	12.59	WET	NORM	NORM	NORM	NORM	2004
2005	0.02	1.12	2.36	4.58	1.58	1.16	2.3	9.34	19.58	16.26	11.22	10.80	NORM	WET	NORM	NORM	NORM	2005
2006	0.41	1.20	1.17	1.72	1.61	4.44	2.88	6.32	8.70	9.44	18.26	19.13	DRY	DRY	DRY	NORM	WET	2006
2007	1.95	2.33	4.28	3.81	0.21	2.98	1.50	19.45	22.32	12.53	13.17	10.67	WET	WET	NORM	NORM	NORM	2007
2008	1.47	0.94	1.30	6.31	4.84	1.42	3.27	7.25	22.47	28.44	20.25	17.49	NORM	WET	WET	WET	WET	2008
2009	1.78	1.44	0.33	3.39	2.25	2.75	1.04	5.65	12.27	13.86	16.14	10.87	DRY	NORM	NORM	NORM	NORM	2009
2010	1.30	1.52	3.18	2.27	0.80	0.12	4.92	13.88	14.69	10.12	4.23	15.80	NORM	NORM	NORM	DRY	WET	2010
2011	1.22	1.84	2.74	6.79	2.42	3.67	0.84	13.12	27.69	23.58	22.64	12.28	NORM	WET	WET	WET	NORM	2011
2012	0.00	2.83	2.16	2.00	1.47	1.11	0.00	12.14	13.15	10.57	8.27	3.69	NORM	NORM	NORM	DRY	DRY	2012
2013	0.01	1.98	3.85	1.11	1.57	0.52	1.83	15.52	13.01	10.78	5.81	8.10	WET	NORM	NORM	DRY	NORM	2013
2014	0.96	1.17	1.89	3.19	1.12	2.56	0.68	8.97	14.52	11.63	13.11	8.28	NORM	NORM	NORM	NORM	NORM	2014
2015	0.00	0.50	5.36	2.88	5.54	4.45	0.86	17.08	19.86	27.74	27.31	17.02	WET	WET	WET	WET	WET	2015
2016	0.75	4.27	1.88	3.28	0.93	2.35	2.32	14.93	17.87	11.23	12.19	12.59	WET	NORM	NORM	NORM	NORM	2016
2017	1.25	1.52	0.56	1.50	2.55	1.78	2.86	5.97	7.14	11.21	11.94	14.69	DRY	DRY	NORM	NORM	NORM	2017
2018	1.33	1.22	1.32	4.36	1.12	1.50	3.18	7.73	16.94	13.40	11.10	13.66	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.46	1.04	1.27	March	1.04
April	0.87	1.65	2.04	April	1.65
May	1.42	2.57	3.14	May	2.57
June	1.83	3.03	3.68	June	3.03
July	1.50	2.66	3.24	July	2.66
August	1.33	2.31	2.80	August	2.31
Sept.	0.71	1.75	2.21	Sept.	1.75
Jun-MAM	6.46	12.05	14.77		
Jul-JMA	9.20	15.88	19.36		
Aug-JJM	9.58	16.61	20.22		
Sep-AJJ	8.82	15.28	18.56		
Oct-SAJ	6.29	12.53	15.47		

NOTE:

Onaka NWS Station (SD6282) has not collected data as of April 2015.

Roscoe NWS Station (SD7277) was used for Sep 1962; Sep 2018.

Seneca NWS Station (SD7551) was used for Mar 2008; Sep 2010; Jul 2013; Jul 2014; Apr-Sep 2015; 2016-2017; Mar-Aug 2018.

Rainfall Data
Onida 4 NW
Station #SD6292
Sully County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1950	1.94	0.22	3.95	0.18	1.59	2.62	1.94	14.23	8.66	9.08	11.22	12.65	NORM	DRY	DRY	NORM	NORM	1950
1962	0.96	0.22	7.07	6.06	3.26	4.44	0.20	22.61	32.54	28.97	25.90	12.74	WET	WET	WET	WET	NORM	1962
1968	0.00	4.38	1.82	5.97	2.08	3.49	0.98	14.22	25.93	20.00	20.60	12.00	NORM	WET	NORM	WET	NORM	1968
1971	0.00	3.42	2.87	4.13	0.73	2.92	0.68	15.45	21.55	13.32	14.35	8.61	NORM	WET	NORM	NORM	NORM	1971
1976	1.10	1.92	0.87	0.82	0.60	0.70	1.06	7.55	6.12	4.31	4.12	5.18	DRY	DRY	DRY	DRY	DRY	1976
1978	0.32	3.03	1.89	4.47	3.39	2.39	0.36	12.05	20.22	21.00	18.42	9.25	NORM	NORM	WET	WET	NORM	1978
1980	0.89	0.15	0.47	2.13	2.00	1.67	0.95	2.60	7.48	10.73	11.14	8.19	DRY	DRY	DRY	NORM	NORM	1980
1981	2.13	0.31	3.77	2.24	7.40	2.19	0.84	14.06	14.57	30.45	23.61	14.30	NORM	NORM	WET	WET	WET	1981
1982	2.52	1.32	5.51	2.50	1.69	1.65	0.97	21.69	19.84	15.58	10.83	7.90	WET	NORM	NORM	NORM	NORM	1982
1983	1.89	1.01	3.75	3.79	5.74	1.40	1.09	15.16	19.88	28.55	19.47	11.81	NORM	NORM	WET	WET	NORM	1983
1984	1.39	2.73	2.46	6.33	2.14	2.17	0.86	14.23	26.64	21.54	17.12	9.06	NORM	WET	WET	NORM	NORM	1984
1985	2.20	1.10	1.09	1.39	2.11	2.78	1.98	7.67	7.45	10.20	13.95	13.61	DRY	DRY	DRY	NORM	NORM	1985
1986	1.26	5.47	3.39	2.79	3.46	0.89	1.69	22.37	20.62	19.35	12.38	10.31	WET	WET	NORM	NORM	NORM	1986
1987	2.32	0.26	3.69	2.31	0.88	2.59	0.64	13.91	14.57	10.95	11.84	7.98	NORM	NORM	NORM	NORM	NORM	1987
1988	0.22	0.67	2.20	1.58	2.19	3.64	0.67	8.16	9.81	11.93	16.88	11.48	DRY	DRY	NORM	NORM	NORM	1988
1989	1.58	2.77	1.05	1.10	3.11	1.34	3.96	10.27	8.17	12.58	11.34	17.67	NORM	DRY	NORM	NORM	WET	1989
1990	1.89	2.61	2.21	3.03	2.33	2.65	1.03	13.74	16.12	15.26	15.64	10.72	NORM	NORM	NORM	NORM	NORM	1990
1991	0.43	3.64	5.25	5.61	1.05	1.37	0.78	23.46	30.97	19.62	11.82	6.13	WET	WET	NORM	NORM	DRY	1991
1992	0.82	0.54	1.48	4.24	4.44	1.84	0.92	6.34	16.22	23.28	18.64	10.88	DRY	NORM	WET	WET	NORM	1992
1993	1.04	1.26	2.03	4.87	4.49	1.73	2.03	9.65	19.93	25.24	19.04	14.04	NORM	NORM	WET	WET	WET	1993
1994	0.57	1.92	1.92	1.81	3.20	0.76	1.60	10.17	11.19	15.14	10.49	9.52	NORM	NORM	NORM	NORM	NORM	1994
1995	1.66	4.81	4.25	3.86	2.63	1.79	1.31	24.03	24.89	19.86	14.49	10.14	WET	WET	NORM	NORM	NORM	1995
1996	0.81	0.58	5.27	0.95	1.91	1.87	5.94	17.78	13.97	12.90	10.38	23.47	WET	NORM	NORM	NORM	WET	1996
1997	0.45	2.33	3.25	5.68	3.80	2.54	1.82	14.86	25.87	26.01	20.90	14.34	NORM	WET	WET	WET	WET	1997
1998	1.81	1.12	2.80	5.90	1.14	2.09	0.13	12.45	24.42	18.02	14.45	5.71	NORM	WET	NORM	NORM	DRY	1998
1999	0.54	2.72	4.24	4.35	2.72	5.05	7.64	18.70	24.25	21.10	24.94	35.74	WET	WET	WET	WET	WET	1999
2000	1.19	2.31	4.52	2.67	1.15	3.67	0.19	19.37	19.36	13.31	15.98	9.06	WET	NORM	NORM	NORM	NORM	2000
2001	0.18	3.12	2.87	2.05	3.97	1.55	1.31	15.03	15.01	18.88	14.64	11.00	NORM	NORM	NORM	NORM	NORM	2001
2002	0.74	0.75	0.84	2.24	2.02	4.14	1.80	4.76	9.15	11.38	18.70	15.70	DRY	DRY	NORM	WET	WET	2002
2003	0.43	2.14	4.47	3.19	2.68	0.65	1.34	18.12	20.65	18.89	10.50	8.00	WET	WET	NORM	NORM	NORM	2003
2004	2.62	0.45	3.70	3.22	2.71	3.50	3.37	14.62	17.51	18.27	19.14	19.82	NORM	NORM	NORM	WET	WET	2004
2005	0.47	1.43	3.82	3.68	1.42	1.05	0.81	14.79	20.11	15.44	9.67	5.95	NORM	NORM	NORM	DRY	DRY	2005
2006	1.11	1.70	0.61	1.35	0.29	5.91	2.26	6.34	6.97	4.18	19.66	18.89	DRY	DRY	DRY	WET	WET	2006
2007	3.10	2.83	3.95	6.46	0.56	4.55	1.31	20.61	30.11	18.55	21.23	13.59	WET	WET	NORM	WET	NORM	2007
2008	0.89	0.68	2.00	5.02	2.66	0.68	2.02	8.25	19.74	20.02	12.38	10.08	DRY	NORM	NORM	NORM	NORM	2008
2009	1.05	1.28	0.89	2.16	3.03	3.35	0.08	6.28	9.54	14.30	18.27	9.97	DRY	DRY	NORM	WET	NORM	2009
2010	1.60	2.18	4.10	3.87	1.97	0.75	3.77	18.26	21.99	17.75	10.06	14.78	WET	WET	NORM	NORM	WET	2010
2011	1.11	1.60	3.22	6.06	3.54	1.81	0.96	13.97	26.22	25.96	18.57	10.04	NORM	WET	WET	WET	NORM	2011
2012	0.08	2.98	2.41	3.40	1.59	0.80	0.02	13.27	18.00	13.98	8.98	3.25	NORM	NORM	NORM	DRY	DRY	2012
2013	0.33	2.00	6.26	1.54	4.33	2.54	1.24	23.11	19.14	22.33	17.82	13.13	WET	NORM	WET	NORM	NORM	2013
2014	1.12	2.34	2.50	5.37	0.93	2.64	0.75	13.30	23.45	16.03	15.15	8.46	NORM	WET	NORM	NORM	NORM	2014
2015	0.11	0.46	5.47	3.31	1.35	2.79	1.92	17.44	21.33	16.14	14.38	12.69	WET	WET	NORM	NORM	NORM	2015
2016	0.93	5.27	1.71	2.23	3.01	2.01	1.96	16.60	15.38	15.20	14.28	12.91	NORM	NORM	NORM	NORM	NORM	2016
2017	0.48	1.55	0.80	2.90	1.35	4.40	1.90	5.98	11.85	10.65	18.80	15.85	DRY	NORM	DRY	WET	WET	2017
2018	0.79	1.99	2.31	6.47	1.68	0.70	2.29	11.70	26.02	20.29	11.93	9.95	NORM	WET	NORM	NORM	NORM	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data
	Bound	N	Bound		
March	0.79	1.38	1.7		March 1.38
April	1.00	1.93	2.35		April 1.93
May	1.88	2.85	3.42		May 2.85
June	2.00	3.11	3.74		June 3.11
July	1.68	2.69	3.24		July 2.69
August	1.48	2.14	2.55		August 2.14
Sept.	0.59	1.54	1.88		Sept. 1.54

NOTE:

Gettysburg NWS Station (SD3294) was used for Apr-Sep 1968; Sep 1995.

Jun-MAM	8.43	13.79	16.66
Jul-JMA	10.76	16.96	20.41
Aug-JJM	10.92	17.14	20.62
Sep-AJJ	9.80	14.91	17.87
Oct-SAJ	6.41	11.59	13.98

Rainfall Data
Orient
Station #SD6335
Faulk County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1939	0.00	0.52	1.17	4.40	0.57	1.71	0.90	4.55	16.06	11.68	10.67	6.69	DRY	NORM	NORM	NORM	NORM	1939
1947	0.87	3.82	0.79	6.28	0.41	0.89	1.63	10.88	24.24	14.58	9.77	7.08	NORM	WET	NORM	NORM	NORM	1947
1948	0.48	1.77	0.68	6.36	3.98	1.59	0.64	6.06	22.21	25.34	19.09	9.08	DRY	WET	WET	WET	NORM	1948
1952	0.46	0.00	0.99	3.71	2.06	1.69	0.00	3.43	13.11	14.59	12.90	5.44	DRY	NORM	NORM	NORM	DRY	1952
1953	1.46	4.35	2.17	4.73	7.05	3.99	0.78	16.67	22.88	32.78	30.80	17.37	NORM	WET	WET	WET	WET	1953
1957	0.21	2.06	6.89	5.20	3.12	2.05	1.50	25.00	31.44	26.65	17.59	11.72	WET	WET	WET	NORM	NORM	1957
1964	0.38	3.57	3.60	4.37	2.16	2.42	0.95	18.32	23.88	18.82	15.95	9.85	WET	WET	NORM	NORM	NORM	1964
1965	0.63	2.91	4.64	3.78	0.80	0.92	4.14	20.37	23.53	14.60	8.14	15.06	WET	WET	NORM	DRY	NORM	1965
1970	0.34	2.85	2.95	3.51	0.52	0.73	0.89	14.89	19.28	11.53	6.74	4.65	NORM	NORM	NORM	DRY	DRY	1970
1978	0.24	2.85	3.57	2.35	2.37	4.05	0.45	16.65	17.04	15.38	19.24	11.82	NORM	NORM	NORM	WET	NORM	1978
1979	1.48	1.99	1.16	2.59	4.92	4.08	0.00	8.94	12.08	21.10	24.67	13.08	NORM	NORM	NORM	WET	NORM	1979
1980	0.24	1.34	1.60	2.27	2.89	4.45	0.57	7.72	11.35	14.81	21.40	13.50	NORM	NORM	NORM	WET	NORM	1980
1981	2.40	1.57	1.08	2.08	2.36	1.81	0.28	8.78	9.97	12.32	12.23	6.82	NORM	NORM	NORM	NORM	NORM	1981
1982	1.82	1.20	4.95	1.56	1.44	0.15	1.80	19.07	15.78	12.39	4.89	7.14	WET	NORM	NORM	DRY	NORM	1982
1983	2.51	0.98	2.25	9.31	2.64	1.38	2.50	11.22	33.41	28.79	18.73	12.90	NORM	WET	WET	WET	NORM	1983
1984	1.62	2.90	2.01	9.73	2.45	1.76	0.99	13.45	36.11	28.82	19.91	8.94	NORM	WET	WET	WET	NORM	1984
1985	2.18	0.38	2.28	1.31	2.98	2.16	4.90	9.78	8.87	13.84	13.75	22.00	NORM	DRY	NORM	NORM	WET	1985
1986	1.00	5.92	2.03	3.20	3.34	2.33	2.55	18.93	19.58	18.45	16.87	15.65	WET	NORM	NORM	NORM	WET	1986
1987	2.67	0.35	2.27	0.87	3.38	1.22	1.12	10.18	7.50	14.15	11.29	9.18	NORM	DRY	NORM	NORM	NORM	1987
1988	0.46	0.93	4.14	2.09	1.92	2.00	3.50	14.74	15.48	14.08	11.93	16.42	NORM	NORM	NORM	NORM	WET	1988
1989	1.90	2.41	0.58	6.28	1.51	2.64	3.83	8.46	22.41	17.67	17.22	18.28	NORM	WET	NORM	NORM	WET	1989
1990	1.21	2.60	1.61	4.45	2.98	2.77	1.19	11.24	19.17	19.45	18.72	12.09	NORM	NORM	NORM	WET	NORM	1990
1991	0.65	3.97	7.47	3.06	1.43	1.79	1.80	31.00	28.09	17.88	11.29	10.41	WET	WET	NORM	NORM	NORM	1991
1992	0.60	0.53	0.23	4.30	4.46	3.04	1.62	2.35	13.89	22.21	22.34	15.40	DRY	NORM	WET	WET	NORM	1992
1993	0.80	2.63	3.03	4.50	7.45	1.87	1.89	15.15	22.19	34.38	25.01	16.86	NORM	WET	WET	WET	WET	1993
1994	0.31	2.45	0.20	1.35	11.40	1.40	1.58	5.81	6.90	37.10	28.35	18.94	DRY	DRY	WET	WET	WET	1994
1995	2.25	4.33	5.56	2.67	1.83	1.66	0.56	27.59	23.46	16.39	11.31	6.83	WET	WET	NORM	NORM	NORM	1995
1996	0.61	0.13	5.17	0.58	2.65	0.54	7.71	16.38	12.21	14.28	7.50	26.86	NORM	NORM	NORM	DRY	WET	1996
1997	0.84	1.92	2.91	2.78	4.72	0.56	0.88	13.41	16.08	22.63	13.90	8.48	NORM	NORM	WET	NORM	NORM	1997
1998	1.97	1.12	2.93	5.31	1.61	4.01	0.00	13.00	22.91	18.38	20.56	9.63	NORM	WET	NORM	WET	NORM	1998
1999	0.71	2.25	5.30	3.50	1.64	2.23	2.78	21.11	23.35	17.22	13.47	14.44	WET	WET	NORM	NORM	NORM	1999
2000	1.00	2.54	2.81	2.41	2.40	5.29	0.00	14.51	15.39	14.83	23.08	12.98	NORM	NORM	NORM	WET	NORM	2000
2001	0.30	4.61	2.75	2.44	2.42	1.27	1.60	17.77	17.43	14.89	11.09	9.76	WET	NORM	NORM	NORM	NORM	2001
2002	0.78	1.29	1.36	1.45	3.14	4.77	0.63	7.44	8.36	13.68	22.04	14.57	NORM	DRY	NORM	WET	NORM	2002
2003	0.35	2.14	3.45	5.78	1.35	0.69	0.65	14.98	26.38	19.06	10.55	4.68	NORM	WET	NORM	NORM	DRY	2003
2004	1.99	0.63	3.91	3.71	2.61	2.06	3.84	14.98	19.58	19.16	15.11	18.25	NORM	NORM	NORM	NORM	WET	2004
2005	0.19	1.83	2.25	7.63	1.35	1.29	2.92	10.60	29.22	21.56	14.20	12.69	NORM	WET	NORM	NORM	NORM	2005
2006	0.58	1.23	0.61	0.75	1.18	4.14	2.79	4.87	4.70	5.65	15.53	17.83	DRY	DRY	DRY	NORM	WET	2006
2007	1.61	3.17	3.65	3.24	0.39	4.42	1.82	18.90	20.19	11.30	17.28	14.69	WET	NORM	NORM	NORM	NORM	2007
2008	2.22	1.00	3.74	5.02	4.73	1.45	2.72	15.44	23.54	27.97	18.83	15.79	NORM	WET	WET	WET	WET	2008
2009	1.57	1.11	1.56	3.38	2.15	2.31	1.48	8.47	14.37	14.77	14.61	11.21	NORM	NORM	NORM	NORM	NORM	2009
2010	1.51	2.49	6.51	3.01	5.59	0.65	6.78	26.02	24.54	29.30	16.14	27.23	WET	WET	WET	NORM	WET	2010
2011	1.50	2.91	4.70	6.49	3.07	1.98	0.62	21.42	31.78	26.89	18.57	8.89	WET	WET	WET	WET	NORM	2011
2012	0.34	4.18	2.93	1.94	1.43	1.12	0.00	17.49	15.86	11.10	8.16	3.67	WET	NORM	NORM	DRY	DRY	2012
2013	0.25	2.17	4.10	3.59	1.26	2.31	0.82	16.89	21.14	15.06	13.04	8.34	WET	NORM	NORM	NORM	NORM	2013
2014	0.77	1.31	2.51	8.00	0.89	1.91	0.80	10.92	30.33	21.18	15.51	7.11	NORM	WET	NORM	NORM	NORM	2014
2015	0.09	1.10	7.56	3.10	2.48	6.06	1.29	24.97	25.52	21.20	26.24	18.47	WET	WET	NORM	WET	WET	2015
2016	0.16	4.38	3.42	2.36	1.82	0.72	1.33	19.18	18.30	13.60	8.16	7.25	WET	NORM	NORM	DRY	NORM	2016
2017	0.86	0.97	0.98	3.70	3.71	2.45	3.72	5.74	14.03	19.51	18.47	19.77	DRY	NORM	NORM	WET	WET	2017
2018	0.90	1.89	1.55	4.48	7.30	2.09	2.99	9.33	18.43	32.41	25.35	20.45	NORM	NORM	WET	WET	WET	2018

30% Lower		30% Upper		Normals are for 1971-2000 data	
Month	Bound	N	Bound	Month	Bound
March	0.74	1.37	1.67	March	1.37
April	1.16	2.10	2.55	April	2.10
May	1.45	2.75	3.35	May	2.75
June	1.97	3.33	4.04	June	3.33
July	1.70	2.85	3.46	July	2.85
August	1.17	1.97	2.40	August	1.97
Sept.	0.82	1.88	2.39	Sept.	1.88
Jun-MAM	7.41	13.82	16.82		
Jul-JMA	9.97	17.59	21.37		
Aug-JJM	10.49	17.96	21.81		
Sep-AJJ	8.88	14.94	18.16		
Oct-SAJ	6.50	12.43	15.43		

Note:
Faulkton 1 NW NWS Station (SD2927) was used for 1939; 1947; 1948;
1952; 1953; 1957; 1964; 1965; 1970; 1978; Mar-Jun 1979; Jul-Sep 1980.

Rainfall Data
Pactola Dam
Station #SD6427
Pennington County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	1.00	1.96	1.94	3.19	1.40	2.03	0.58	10.74	15.41	12.52	12.08	7.20	NORM	NORM	DRY	NORM	NORM	1980
1981	0.28	0.78	7.42	2.00	5.18	1.33	0.50	24.10	21.62	26.96	16.35	9.34	WET	NORM	WET	NORM	NORM	1981
1982	1.42	0.86	6.25	4.56	4.07	3.09	2.75	21.89	27.04	27.58	21.97	18.50	WET	WET	WET	WET	WET	1982
1983	1.83	0.93	2.62	4.73	2.10	2.63	0.54	11.55	20.36	18.38	16.82	8.98	NORM	NORM	NORM	NORM	NORM	1983
1984	0.77	4.37	1.82	4.83	5.92	1.39	1.18	14.97	22.50	29.24	20.84	12.24	NORM	NORM	WET	WET	NORM	1984
1985	0.96	1.27	1.46	1.39	2.05	1.77	1.58	7.88	8.36	10.39	10.80	10.33	DRY	DRY	DRY	DRY	NORM	1985
1986	0.78	3.75	2.08	3.85	2.25	2.90	5.87	14.52	19.46	16.53	17.05	25.66	NORM	NORM	NORM	NORM	WET	1986
1987	1.20	0.18	4.12	0.58	1.47	2.52	0.72	13.92	10.16	9.69	11.08	8.67	NORM	DRY	DRY	NORM	NORM	1987
1988	1.44	0.62	2.74	2.87	0.73	2.32	0.22	10.90	14.71	10.67	11.29	6.03	NORM	NORM	DRY	NORM	DRY	1988
1989	1.00	1.67	1.71	1.55	2.15	2.67	4.14	9.47	9.74	11.26	13.86	19.91	DRY	DRY	DRY	NORM	WET	1989
1990	1.21	1.46	3.31	0.88	4.42	2.45	1.02	14.06	10.72	18.33	17.07	12.38	NORM	DRY	NORM	NORM	NORM	1990
1991	0.51	3.99	8.28	5.80	3.77	1.66	0.71	33.33	37.95	31.19	18.32	9.22	WET	WET	WET	NORM	NORM	1991
1992	2.23	2.21	2.41	3.12	4.17	1.19	0.51	13.88	16.39	21.16	15.03	8.08	NORM	NORM	NORM	NORM	NORM	1992
1993	0.52	2.59	5.67	5.56	2.91	1.99	1.25	22.71	30.61	25.52	17.35	10.64	WET	WET	WET	NORM	NORM	1993
1994	0.44	2.19	2.07	0.83	1.54	0.85	0.90	11.03	8.82	8.35	6.46	5.94	NORM	DRY	DRY	DRY	DRY	1994
1995	0.57	1.96	6.97	4.95	4.47	1.07	1.44	25.40	30.75	30.28	17.10	10.93	WET	WET	WET	NORM	NORM	1995
1996	1.46	1.90	7.97	1.73	2.23	3.50	2.23	29.17	23.03	18.12	16.69	15.92	WET	NORM	NORM	NORM	WET	1996
1997	0.26	2.29	5.49	3.12	3.49	3.22	1.49	21.31	22.63	22.20	19.76	14.40	DRY	NORM	NORM	NORM	WET	1997
1998	1.99	0.86	2.28	6.25	2.30	3.89	4.39	10.55	24.17	21.68	22.52	23.25	DRY	NORM	NORM	WET	WET	1998
1999	1.22	3.98	3.04	6.06	1.68	4.52	0.97	18.30	28.24	20.20	22.98	13.63	NORM	WET	NORM	WET	NORM	1999
2000	1.05	4.38	3.75	3.11	2.85	0.89	0.62	21.06	21.21	18.52	11.48	6.49	WET	NORM	NORM	NORM	DRY	2000
2001	0.69	2.39	2.11	3.34	4.93	4.93	0.78	11.80	16.63	23.58	27.99	17.13	NORM	NORM	NORM	WET	WET	2001
2002	1.58	2.25	2.40	0.87	3.04	1.83	3.19	13.28	9.66	13.26	12.44	16.27	NORM	DRY	NORM	NORM	WET	2002
2003	1.81	3.23	2.32	2.23	0.61	2.26	0.95	15.23	14.56	8.61	10.23	7.98	NORM	NORM	DRY	DRY	NORM	2003
2004	0.64	1.65	2.89	1.47	2.31	1.30	1.94	12.61	11.84	12.76	9.99	10.73	NORM	DRY	DRY	DRY	NORM	2004
2005	0.65	1.64	4.74	2.64	2.19	2.21	1.43	18.15	19.04	16.59	13.65	10.90	NORM	NORM	NORM	NORM	NORM	2005
2006	2.21	2.10	2.95	1.80	1.12	3.11	2.63	15.26	13.40	9.91	13.37	15.23	NORM	NORM	DRY	NORM	WET	2006
2007	1.92	1.69	3.49	1.80	0.96	3.07	0.80	15.77	14.07	9.97	12.93	9.50	NORM	NORM	DRY	NORM	NORM	2007
2008	0.81	1.46	9.03	5.15	3.01	1.93	1.46	30.82	34.97	28.36	16.96	11.25	WET	WET	WET	NORM	NORM	2008
2009	1.50	3.15	0.90	4.25	3.59	2.24	2.40	10.50	17.70	20.17	18.15	15.27	DRY	NORM	NORM	NORM	WET	2009
2010	0.33	4.08	5.33	4.51	1.35	2.54	1.35	24.48	28.27	18.40	14.83	10.48	WET	WET	NORM	NORM	NORM	2010
2011	0.93	1.95	7.61	3.28	2.63	2.53	0.59	27.66	27.01	22.06	16.13	9.46	WET	WET	NORM	NORM	NORM	2011
2012	0.14	1.83	2.02	2.11	3.43	0.02	0.06	9.86	12.20	16.53	9.03	3.65	DRY	DRY	NORM	DRY	DRY	2012
2013	1.06	2.80	1.98	1.45	2.50	2.76	1.29	12.60	11.11	12.38	14.73	11.89	NORM	DRY	DRY	NORM	NORM	2013
2014	1.08	1.10	2.95	5.69	1.91	4.00	4.11	12.13	24.07	20.06	21.51	22.24	NORM	NORM	NORM	WET	WET	2014
2015	0.09	1.54	9.46	8.11	5.30	3.09	0.35	31.55	44.79	41.58	27.98	12.53	WET	WET	WET	WET	NORM	2015
2016	1.11	1.11	1.31	1.45	3.35	2.74	2.11	7.26	8.08	14.26	16.37	15.16	DRY	DRY	NORM	NORM	WET	2016
2017	0.71	3.03	2.48	2.16	1.83	1.55	2.54	14.21	14.47	12.29	10.47	12.55	NORM	NORM	DRY	DRY	NORM	2017
2018	1.16	1.55	4.61	7.72	8.02	2.29	2.09	18.09	33.93	44.11	30.63	18.87	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.58	1.03	1.26	March	1.03
April	1.31	2.36	2.88	April	2.36
May	2.46	3.70	4.43	May	3.70
June	2.13	3.81	4.64	June	3.81
July	2.15	3.18	3.81	July	3.18
August	1.51	2.14	2.53	August	2.14
Sept.	0.62	1.50	1.82	Sept.	1.50
Jun-MAM	10.58	16.85	20.31		
Jul-JMA	12.62	21.19	25.66		
Aug-JJM	13.17	20.86	25.14		
Sep-AJJ	10.96	16.59	19.85		
Oct-SAJ	7.03	11.96	14.33		

Rainfall Data
Philip 1 S / Philip Airport
Station #SD6552
Haakon County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.32	1.25	0.49	2.90	2.00	1.68	0.60	4.29	10.93	12.29	11.94	7.16	DRY	NORM	NORM	NORM	NORM	1980
1981	0.14	0.17	2.50	4.56	4.49	2.98	0.12	7.98	18.85	25.09	22.48	10.81	DRY	NORM	WET	WET	NORM	1981
1982	1.83	0.55	8.83	3.60	3.12	1.55	0.97	29.42	29.01	25.39	14.49	9.13	WET	WET	WET	NORM	NORM	1982
1983	1.05	1.63	4.42	2.56	1.45	0.68	0.15	17.57	18.15	13.89	7.50	3.26	WET	NORM	NORM	DRY	DRY	1983
1984	0.90	2.64	2.51	3.92	1.96	1.09	0.86	13.71	19.42	16.23	11.11	6.72	NORM	NORM	NORM	NORM	NORM	1984
1985	1.22	0.79	0.72	1.95	1.89	1.58	1.43	4.96	8.08	10.29	10.47	9.34	DRY	DRY	NORM	NORM	NORM	1985
1986	1.75	6.44	2.26	4.55	1.17	2.17	3.37	21.41	24.61	14.87	13.40	15.62	WET	WET	NORM	NORM	WET	1986
1987	3.07	0.28	2.64	0.66	1.66	2.54	0.42	11.55	7.54	8.94	11.60	8.00	NORM	DRY	DRY	NORM	NORM	1987
1988	2.19	0.64	2.67	6.26	0.46	0.87	1.44	11.48	24.76	16.57	9.79	6.52	NORM	WET	NORM	NORM	NORM	1988
1989	2.08	2.10	1.17	0.90	1.41	1.05	4.14	9.79	7.14	7.20	6.87	15.93	NORM	DRY	DRY	DRY	WET	1989
1990	1.32	0.59	2.31	2.43	2.46	1.23	1.09	9.43	12.50	14.55	11.04	8.19	NORM	NORM	NORM	NORM	NORM	1990
1991	0.52	1.83	5.01	6.18	0.27	1.71	0.52	19.21	30.39	18.18	11.85	5.25	WET	WET	NORM	NORM	NORM	1991
1992	1.34	0.77	0.90	3.64	4.21	2.25	0.25	5.58	13.49	20.81	18.81	9.46	DRY	NORM	WET	WET	NORM	1992
1993	0.36	2.25	4.07	4.29	4.29	1.33	1.91	17.07	23.26	25.52	16.86	12.68	NORM	WET	WET	WET	WET	1993
1994	0.20	1.60	0.95	2.44	1.92	3.01	0.87	6.25	10.82	11.59	15.31	10.55	DRY	NORM	NORM	WET	NORM	1994
1995	1.46	2.34	5.58	2.69	1.17	0.11	0.83	22.88	21.57	14.47	5.36	3.88	WET	WET	NORM	DRY	DRY	1995
1996	1.01	0.74	6.43	1.20	1.54	0.58	3.83	21.78	17.20	13.45	6.02	14.19	WET	NORM	NORM	DRY	WET	1996
1997	0.50	2.70	3.34	6.32	6.44	1.71	0.73	15.92	28.34	35.30	24.33	12.05	NORM	WET	WET	WET	WET	1997
1998	2.62	0.54	2.64	4.42	4.70	1.81	0.73	11.62	19.08	25.58	19.25	10.51	NORM	NORM	WET	WET	NORM	1998
1999	1.12	2.76	2.57	3.71	3.19	1.89	2.14	14.35	19.03	19.56	15.76	13.39	NORM	NORM	WET	WET	WET	1999
2000	2.03	1.99	0.94	2.80	0.74	0.30	0.14	8.83	12.27	8.76	5.18	1.76	NORM	NORM	DRY	DRY	DRY	2000
2001	0.23	1.76	2.01	2.17	1.03	0.89	0.29	9.78	12.29	9.44	6.90	3.68	NORM	NORM	DRY	DRY	DRY	2001
2002	0.26	1.2	1.24	0.19	0.78	1.48	2.67	6.38	4.25	3.96	6.19	11.75	DRY	DRY	DRY	DRY	WET	2002
2003	0.84	2.66	2.21	1.75	0.72	0.49	1.21	12.79	12.33	7.87	4.66	5.33	NORM	NORM	DRY	DRY	NORM	2003
2004	0.49	0.33	3.12	1.97	2.15	0.89	4.47	10.51	12.48	13.51	8.94	17.34	NORM	NORM	NORM	NORM	WET	2004
2005	0.77	2.75	4.54	2.82	0.69	0.7	0.29	19.89	20.29	12.25	6.30	2.96	WET	WET	NORM	DRY	DRY	2005
2006	1.39	1.33	0.39	1.25	0.82	1.23	2.30	5.22	5.86	5.35	6.58	10.18	DRY	DRY	DRY	DRY	NORM	2006
2007	2.34	1.35	2.51	2.00	0.11	2.73	0.81	12.57	12.37	6.84	10.41	8.00	NORM	NORM	DRY	NORM	NORM	2007
2008	0.57	1.02	6.02	6.07	2.01	0.38	1.16	20.67	31.27	24.19	11.23	6.25	WET	WET	WET	NORM	NORM	2008
2009	1.00	1.48	0.38	1.77	2.45	2.02	0.40	5.10	7.55	11.27	12.73	7.69	DRY	DRY	NORM	NORM	NORM	2009
2010	1.02	2.67	2.38	3.15	2.86	0.41	0.90	13.50	16.88	17.26	10.10	6.38	NORM	NORM	NORM	NORM	NORM	2010
2011	0.36	1.57	4.59	4.57	1.50	1.09	0.74	17.27	24.46	18.23	10.84	5.90	WET	WET	NORM	NORM	NORM	2011
2012	0.03	1.89	1.23	1.26	0.46	0.40	0.22	7.50	8.13	5.13	3.38	1.92	DRY	DRY	DRY	DRY	DRY	2012
2013	0.40	1.96	2.38	1.90	1.69	1.26	0.58	11.46	12.42	11.25	9.06	5.95	NORM	NORM	NORM	NORM	NORM	2013
2014	0.54	1.42	2.38	4.00	0.11	4.50	2.27	10.52	18.18	10.71	17.72	15.92	NORM	NORM	NORM	WET	WET	2014
2015	0.09	0.34	6.44	6.32	0.62	2.90	0.50	20.09	32.18	20.94	16.26	7.92	WET	WET	WET	WET	NORM	2015
2016	0.71	3.96	1.37	0.72	1.72	2.85	0.23	12.74	8.86	7.97	12.71	8.11	NORM	DRY	DRY	NORM	NORM	2016
2017	0.80	1.76	1.21	2.07	0.59	0.36	1.03	7.95	10.39	7.12	4.33	4.40	DRY	DRY	DRY	DRY	DRY	2017
2018	1.72	1.26	2.56	2.93	0.10	1.73	0.87	11.92	15.17	8.72	8.32	6.17	NORM	NORM	DRY	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.54	1.15	1.4	March	1.15
April	1.03	1.79	2.17	April	1.79
May	2.02	3.14	3.78	May	3.14
June	1.86	2.85	3.43	June	2.85
July	1.28	2.26	2.75	July	2.26
August	1.20	1.68	1.99	August	1.68
Sept.	0.43	1.16	1.41	Sept.	1.16

Jun-MAM	8.66	14.15	17.08
Jul-JMA	10.65	16.62	20.02
Aug-JJM	9.58	15.62	18.89
Sep-AJJ	8.02	12.41	14.90
Oct-SAJ	4.97	9.10	10.96

NOTE:

Philip 1 S/Philip Airport NWS Station (SD6552) has been replaced with Philip AP NWS Station (SD024).
Cottonwood 2E NWS Station (SD1972) was used for Jun-Sep 1980; 1981; Mar, Apr, Jul, Aug 1982; 1985; Sep 1995; Mar-Jul 1997.

Rainfall Data
 Pickstown
 Station #SD6574
 Charles Mix County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1938	1.81	4.24	4.73	2.33	4.59	1.46	1.95	24.48	20.69	23.16	15.89	13.36	WET	NORM	WET	NORM	NORM	1938
1955	0.24	1.22	4.11	4.82	3.87	1.38	2.82	15.01	23.90	25.36	16.70	15.09	NORM	NORM	WET	NORM	NORM	1955
1963	1.03	1.80	1.17	2.12	3.93	1.54	2.24	8.14	10.50	17.20	14.60	13.73	DRY	DRY	NORM	NORM	NORM	1963
1968	0.55	3.26	1.89	3.02	1.29	1.88	3.05	12.74	16.10	11.80	11.24	14.20	NORM	NORM	DRY	NORM	NORM	1968
1977	3.62	2.23	3.13	4.92	5.03	2.70	3.18	17.47	23.25	28.06	23.08	19.97	NORM	NORM	WET	WET	WET	1977
1978	0.49	5.03	2.92	1.61	3.89	2.74	1.32	19.31	15.70	17.81	17.61	13.33	NORM	NORM	NORM	NORM	NORM	1978
1980	0.82	0.39	2.08	2.15	2.74	3.94	1.26	7.84	11.00	14.60	19.45	14.40	DRY	DRY	NORM	NORM	NORM	1980
1981	1.84	0.71	2.78	3.77	3.79	0.62	2.09	11.60	17.58	21.69	13.21	11.30	NORM	NORM	NORM	NORM	NORM	1981
1982	0.75	0.97	8.63	1.68	1.82	1.00	1.30	28.58	23.27	17.45	8.32	7.72	WET	NORM	NORM	DRY	DRY	1982
1983	3.19	1.95	3.31	6.07	2.87	0.17	0.78	17.02	26.78	24.06	12.32	5.55	NORM	WET	WET	NORM	DRY	1983
1984	1.80	6.99	3.42	8.70	3.59	2.44	0.91	26.04	39.93	31.59	23.20	11.20	WET	WET	WET	WET	NORM	1984
1985	1.29	2.93	1.34	1.99	2.02	5.81	2.85	11.17	11.58	11.38	23.46	22.19	NORM	DRY	DRY	WET	WET	1985
1986	2.24	5.99	3.41	6.66	2.37	1.86	6.97	24.45	32.79	23.84	16.98	27.00	WET	WET	WET	NORM	WET	1986
1987	7.70	0.87	1.25	1.26	4.26	2.16	4.13	13.19	7.15	16.55	16.26	20.97	NORM	DRY	NORM	NORM	WET	1987
1988	0.69	3.48	4.48	2.36	1.96	3.04	4.19	21.09	19.52	15.08	15.40	20.61	NORM	NORM	NORM	NORM	WET	1988
1989	0.78	0.54	0.77	3.07	3.07	1.88	1.89	4.17	11.29	16.12	14.85	12.50	DRY	DRY	NORM	NORM	NORM	1989
1990	1.39	1.53	5.64	1.89	1.48	2.90	0.43	21.37	18.48	13.86	13.55	8.57	NORM	NORM	NORM	NORM	NORM	1990
1991	0.69	2.41	4.49	1.59	1.30	1.23	1.06	18.98	16.16	11.57	7.88	6.94	NORM	NORM	DRY	DRY	DRY	1991
1992	2.92	1.98	1.38	3.21	4.81	4.63	0.69	11.02	14.37	22.23	26.72	16.14	NORM	NORM	NORM	WET	NORM	1992
1993	0.36	4.69	6.03	3.93	6.88	3.23	3.18	27.83	28.54	34.53	27.38	22.88	WET	WET	WET	WET	WET	1993
1994	0.07	3.03	2.36	5.36	3.57	0.96	7.38	13.21	23.83	23.79	15.38	27.63	NORM	NORM	WET	NORM	WET	1994
1995	2.84	5.25	7.65	0.37	1.63	3.65	3.73	36.29	21.66	13.28	14.58	20.12	WET	NORM	NORM	NORM	WET	1995
1996	0.37	1.23	9.48	3.03	1.29	5.19	6.32	31.27	29.28	19.41	21.18	30.63	WET	WET	NORM	WET	WET	1996
1997	0.23	3.24	3.48	2.15	2.83	4.87	2.61	17.15	16.65	16.27	22.42	20.40	NORM	NORM	NORM	WET	WET	1997
1998	1.78	5.85	2.00	5.97	2.42	1.98	0.69	19.48	27.76	21.20	16.75	8.45	NORM	WET	NORM	NORM	NORM	1998
1999	0.75	4.97	4.61	4.26	4.35	0.72	2.00	24.52	26.97	26.18	15.12	11.79	WET	WET	WET	NORM	NORM	1999
2000	0.98	1.51	4.11	1.29	0.96	1.67	0.46	16.33	13.60	9.57	8.22	5.68	NORM	NORM	DRY	DRY	DRY	2000
2001	1.08	8.22	2.75	3.00	2.50	0.22	3.20	25.77	22.72	16.25	8.66	12.54	WET	NORM	NORM	DRY	NORM	2001
2002	0.83	2.03	1.31	0.72	0.00	4.67	1.88	8.82	6.81	2.75	14.73	14.98	DRY	DRY	DRY	NORM	NORM	2002
2003	0.39	3.19	2.73	2.70	2.39	0.22	2.19	14.96	16.75	15.30	8.14	9.40	NORM	NORM	NORM	DRY	NORM	2003
2004	1.49	1.10	5.11	2.76	2.37	0.91	4.37	19.02	19.60	17.74	10.23	17.30	NORM	NORM	NORM	NORM	NORM	2004
2005	1.26	3.58	3.47	6.09	0.37	1.38	3.93	18.83	28.79	16.76	10.97	14.92	NORM	WET	NORM	NORM	NORM	2005
2006	2.05	3.72	0.48	3.32	0.10	4.13	5.34	10.93	14.64	7.42	15.91	24.38	NORM	NORM	DRY	NORM	WET	2006
2007	2.10	3.27	4.72	3.60	0.54	4.87	1.38	22.80	23.51	13.54	19.29	14.42	WET	NORM	NORM	NORM	NORM	2007
2008	0.84	3.98	4.00	4.19	1.71	2.24	1.69	20.80	24.55	17.51	14.33	11.26	NORM	NORM	NORM	NORM	NORM	2008
2009	1.66	2.04	2.67	3.96	3.35	2.71	0.16	13.75	19.26	20.64	18.79	9.25	NORM	NORM	NORM	NORM	NORM	2009
2010	0.89	2.08	2.99	9.82	3.44	5.16	3.06	14.02	37.52	32.95	32.18	22.94	NORM	WET	WET	WET	WET	2010
2011	1.31	2.54	4.00	3.89	2.03	2.31	0.24	18.39	22.21	17.87	14.88	7.37	NORM	NORM	NORM	NORM	DRY	2011
2012	0.44	4.76	1.77	0.70	0.70	0.82	0.45	15.27	10.40	5.27	4.56	3.69	NORM	DRY	DRY	DRY	DRY	2012
2013	1.20	3.48	4.97	4.78	2.87	2.96	1.78	23.07	27.76	23.14	19.40	14.13	WET	WET	WET	NORM	NORM	2013
2014	1.85	0.74	1.25	6.90	0.51	5.98	0.96	7.08	23.94	16.58	25.86	15.35	DRY	NORM	NORM	WET	NORM	2014
2015	0.05	1.45	3.97	2.19	4.43	2.02	5.55	14.86	15.96	21.64	17.11	25.12	NORM	NORM	NORM	NORM	WET	2015
2016	1.02	5.76	8.33	2.08	3.84	1.24	1.43	37.53	28.66	24.01	13.48	10.61	WET	WET	WET	NORM	NORM	2016
2017	0.00	1.21	3.25	2.00	1.86	3.60	4.55	12.17	13.71	12.83	16.52	22.71	NORM	NORM	NORM	NORM	WET	2017
2018	1.41	1.40	1.25	4.79	6.87	2.77	3.66	7.96	18.27	31.44	26.84	23.39	DRY	NORM	WET	WET	WET	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data
	Bound	N	Bound		
March	0.7	1.61	1.96	March	1.61
April	1.54	2.77	3.38	April	2.77
May	2.35	3.70	4.46	May	3.70
June	2.14	3.48	4.22	June	3.48
July	1.81	2.82	3.40	July	2.82
August	1.40	2.47	3.00	August	2.47
Sept.	1.14	2.28	2.78	Sept.	2.28

NOTE:
 Wagner NWS Station (SD8767) was used for 1938.
 Gross 1 E NWS Station (NE3478) was used for 2017-2018.

Jun-MAM	10.83	18.25	22.10
Jul-JMA	12.66	20.61	24.96
Aug-JJM	12.06	19.12	23.10
Sep-AJJ	9.96	16.53	20.02
Oct-SAJ	8.03	14.60	17.74

Rainfall Data
 Pierre Regional AP
 Station #SD6597
 Hughes County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1938	1.32	3.38	2.28	2.55	2.09	0.31	2.15	14.92	15.59	13.65	7.66	9.16	NORM	NORM	NORM	DRY	NORM	1938
1949	0.56	1.65	3.72	0.73	1.54	2.09	1.33	15.02	11.28	9.80	10.08	9.71	NORM	NORM	DRY	NORM	NORM	1949
1963	0.45	2.04	2.90	3.74	3.48	0.75	2.65	13.23	19.06	20.82	12.95	12.93	NORM	NORM	NORM	NORM	NORM	1963
1968	0.46	3.59	2.25	7.28	3.72	2.29	0.78	14.39	29.93	27.97	21.59	10.64	NORM	WET	WET	WET	NORM	1968
1969	0.40	0.46	1.90	3.80	4.07	0.95	2.15	7.02	15.66	21.71	14.79	12.42	DRY	NORM	NORM	NORM	NORM	1969
1971	0.20	4.49	1.57	5.73	0.49	1.58	1.23	13.89	24.82	14.50	11.45	7.34	NORM	WET	NORM	NORM	NORM	1971
1976	0.21	1.20	0.76	0.46	0.77	1.14	0.49	4.89	4.10	3.99	5.42	4.52	DRY	DRY	DRY	DRY	DRY	1976
1980	0.55	0.75	1.44	2.86	1.23	2.91	0.08	6.37	12.21	10.85	14.05	7.29	DRY	NORM	NORM	NORM	NORM	1980
1981	2.76	0.35	4.00	3.07	5.02	2.15	0.28	15.46	17.56	25.20	19.56	10.16	NORM	NORM	WET	WET	NORM	1981
1982	2.50	0.83	7.24	4.44	5.18	1.29	1.08	25.88	28.63	31.66	18.67	11.00	WET	WET	WET	WET	NORM	1982
1983	1.45	1.03	2.98	6.23	0.31	1.08	1.34	12.45	25.68	16.37	10.09	6.49	NORM	WET	NORM	NORM	NORM	1983
1984	0.86	3.11	3.25	5.56	5.19	1.36	1.17	16.83	26.29	29.94	20.02	11.42	NORM	WET	WET	WET	NORM	1984
1985	1.74	0.74	1.41	2.53	2.78	2.25	2.57	7.45	11.15	14.81	14.84	14.99	DRY	NORM	NORM	NORM	WET	1985
1986	1.36	6.38	3.35	3.19	2.75	1.44	2.12	24.17	22.65	17.98	13.01	11.99	WET	NORM	NORM	NORM	NORM	1986
1987	2.30	0.18	4.34	1.19	1.56	2.71	0.66	15.68	12.43	11.40	12.44	8.96	NORM	NORM	NORM	NORM	NORM	1987
1988	0.05	1.26	2.76	3.63	0.66	1.65	1.43	10.85	17.67	12.00	9.90	8.25	NORM	NORM	NORM	NORM	NORM	1988
1989	1.56	1.75	1.24	0.50	1.84	1.72	4.57	8.78	5.73	7.76	9.34	18.99	NORM	DRY	DRY	NORM	WET	1989
1990	1.37	2.87	1.72	3.20	3.77	1.40	0.97	12.27	15.91	19.43	14.94	9.48	NORM	NORM	NORM	NORM	NORM	1990
1991	0.45	2.67	5.10	6.30	1.23	0.53	1.22	21.09	31.77	21.39	10.35	5.95	WET	WET	NORM	NORM	NORM	1991
1992	0.62	0.47	0.54	4.71	5.22	1.72	0.93	3.18	15.68	25.62	20.31	11.45	DRY	NORM	WET	WET	NORM	1992
1993	1.43	2.49	2.00	2.99	4.99	0.52	1.63	12.41	15.46	22.95	14.53	10.92	NORM	NORM	WET	NORM	NORM	1993
1994	0.09	1.29	2.21	2.71	4.28	2.29	1.22	9.30	13.84	20.47	18.14	12.52	NORM	NORM	NORM	WET	NORM	1994
1995	1.30	3.32	4.50	5.87	1.84	4.57	0.65	21.44	29.93	21.76	23.26	12.93	WET	WET	NORM	WET	NORM	1995
1996	0.37	0.47	5.65	0.59	1.60	1.04	6.95	18.26	13.54	11.63	6.91	24.53	WET	NORM	NORM	DRY	WET	1996
1997	0.70	3.63	5.28	5.35	6.43	3.33	0.75	23.80	30.24	35.27	28.20	15.34	WET	WET	WET	WET	WET	1997
1998	2.49	1.12	2.78	4.47	1.89	1.51	0.02	13.07	20.09	17.39	12.78	4.97	NORM	NORM	NORM	NORM	DRY	1998
1999	0.44	3.32	4.67	4.12	1.02	3.58	4.50	21.09	25.02	15.97	16.90	21.68	WET	WET	NORM	NORM	WET	1999
2000	0.82	1.22	2.90	2.64	1.60	0.35	0.07	11.96	14.94	12.98	6.89	2.51	NORM	NORM	NORM	DRY	DRY	2000
2001	0.24	2.52	2.51	2.53	4.00	0.04	2.02	12.81	15.13	19.57	10.65	10.14	NORM	NORM	NORM	NORM	NORM	2001
2002	0.23	0.71	0.65	3.80	2.56	3.34	2.16	3.60	13.41	15.93	18.94	15.72	DRY	NORM	NORM	WET	WET	2002
2003	0.51	2.46	3.78	1.58	1.39	0.18	1.22	16.77	14.76	11.11	4.90	5.41	NORM	NORM	NORM	DRY	NORM	2003
2004	2.33	0.31	2.80	2.35	2.01	1.89	4.74	11.35	12.96	13.53	12.04	20.01	NORM	NORM	NORM	NORM	WET	2004
2005	0.61	2.19	3.28	3.6	0.39	0.39	1.35	14.83	19.55	11.65	5.55	5.22	NORM	NORM	NORM	DRY	NORM	2005
2006	1.20	0.71	0.85	0.91	1.05	2.77	2.85	5.17	5.14	5.82	11.32	15.14	DRY	DRY	DRY	NORM	WET	2006
2007	3.15	1.45	4.47	4.70	0.26	3.36	1.49	19.46	24.49	14.65	15.30	11.45	WET	WET	NORM	NORM	NORM	2007
2008	0.86	0.80	3.71	7.66	2.49	0.98	2.55	13.59	31.20	26.50	15.58	12.10	NORM	WET	WET	NORM	NORM	2008
2009	0.98	1.96	0.80	2.23	2.07	3.78	0.69	7.30	10.25	11.47	17.71	11.70	DRY	DRY	NORM	WET	NORM	2009
2010	1.42	2.54	3.72	4.33	2.94	0.83	2.89	17.66	22.97	21.20	12.70	13.27	NORM	WET	NORM	NORM	NORM	2010
2011	0.81	2.26	3.24	8.30	3.41	1.93	1.05	15.05	33.64	30.07	20.91	10.42	NORM	WET	WET	WET	NORM	2011
2012	0.09	3.15	2.04	2.03	0.68	0.33	0.00	12.51	13.32	8.14	4.38	1.34	NORM	NORM	DRY	DRY	DRY	2012
2013	0.15	2.88	4.17	2.96	2.58	2.52	1.16	18.42	20.10	17.83	15.68	11.10	WET	NORM	NORM	NORM	NORM	2013
2014	0.99	1.97	4.40	4.39	0.87	3.03	0.61	18.13	23.94	15.79	15.22	8.76	WET	WET	NORM	NORM	NORM	2014
2015	0.33	0.49	6.18	2.15	2.49	1.18	0.58	19.85	19.30	17.95	10.67	6.59	WET	NORM	NORM	NORM	NORM	2015
2016	1.32	3.92	1.20	1.83	4.31	2.14	1.23	12.76	11.81	17.79	16.87	12.28	NORM	NORM	NORM	NORM	NORM	2016
2017	0.34	1.78	1.10	2.70	0.17	3.12	1.86	7.20	12.08	7.01	12.40	11.99	DRY	NORM	DRY	NORM	NORM	2017
2018	1.40	1.67	2.78	4.45	0.52	0.90	1.45	13.08	20.58	13.24	8.19	6.67	NORM	NORM	NORM	DRY	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.53	1.19	1.45	March	1.19
April	1.03	2.02	2.47	April	2.02
May	1.99	3.14	3.79	May	3.14
June	1.99	3.49	4.24	June	3.49
July	1.45	2.75	3.35	July	2.75
August	1.15	1.86	2.25	August	1.86
Sept.	0.41	1.55	1.81	Sept.	1.55
Jun-MAM	8.56	14.65	17.76		
Jul-JMA	10.98	18.77	22.77		
Aug-JJM	10.32	18.37	22.32		
Sep-AJJ	8.34	14.57	17.69		
Oct-SAJ	4.98	11.12	13.28		

NOTE:
 Pierre Regional AP NWS Station (SD6597) has been replaced with Pierre
 RGNL AP NWS Station (SD025).

Rainfall Data
Plainview 6 SSW
Station #SD6636
Meade County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.73	1.15	1.15	2.20	0.75	1.12	0.82	6.48	10.05	7.80	7.06	5.45	DRY	DRY	DRY	NORM	NORM	1980
1981	0.11	0.07	1.86	1.91	3.88	1.70	0.66	5.83	9.52	17.32	14.77	9.26	DRY	DRY	NORM	WET	NORM	1981
1982	2.42	0.45	11.31	2.58	2.63	3.52	1.39	37.25	30.81	24.36	18.40	13.84	WET	WET	WET	WET	WET	1982
1983	1.19	0.68	2.95	1.56	1.82	1.55	1.21	11.40	11.26	11.53	9.85	8.55	NORM	NORM	NORM	NORM	NORM	1983
1984	0.84	2.67	1.76	6.25	1.34	2.52	0.92	11.46	24.94	18.28	16.49	9.14	NORM	WET	NORM	WET	NORM	1984
1985	1.05	0.95	1.12	2.94	1.73	0.73	0.89	6.31	12.01	12.19	8.59	5.86	DRY	NORM	NORM	NORM	NORM	1985
1986	0.73	4.51	2.30	3.69	2.33	2.17	1.53	16.65	20.18	16.67	14.86	11.26	WET	WET	NORM	WET	WET	1986
1987	2.43	0.00	4.87	1.39	1.99	0.60	0.33	17.04	13.91	13.62	7.17	4.18	WET	NORM	NORM	NORM	NORM	1987
1988	0.84	0.36	2.10	6.18	0.16	0.49	0.58	7.86	23.10	14.94	7.97	2.88	NORM	WET	NORM	NORM	DRY	1988
1989	1.41	2.27	1.46	1.66	1.65	1.56	1.87	10.33	10.17	9.73	9.64	10.38	NORM	DRY	DRY	NORM	WET	1989
1990	0.72	1.01	2.73	2.63	0.34	0.32	0.67	10.93	14.36	9.01	4.27	2.99	NORM	NORM	DRY	DRY	DRY	1990
1991	0.70	2.23	4.16	3.13	0.73	1.00	0.63	17.64	19.94	12.61	7.59	4.62	WET	NORM	NORM	NORM	NORM	1991
1992	0.81	0.29	1.42	5.27	4.66	1.05	0.76	5.65	18.94	25.94	17.74	9.04	DRY	NORM	WET	WET	NORM	1992
1993	1.10	1.71	3.55	5.21	7.09	0.98	1.34	15.17	24.44	35.24	22.33	13.07	WET	WET	WET	WET	WET	1993
1994	0.09	1.34	0.52	3.79	2.70	0.75	0.23	4.33	13.75	16.20	11.44	4.89	DRY	NORM	NORM	NORM	NORM	1994
1995	0.62	1.90	7.56	3.41	0.84	0.63	0.30	27.10	27.25	16.90	6.98	3.00	WET	WET	NORM	NORM	DRY	1995
1996	0.46	0.93	5.15	0.36	1.97	2.34	2.94	17.77	12.31	11.78	11.32	15.47	WET	NORM	NORM	NORM	WET	1996
1997	0.14	1.92	3.39	1.56	3.79	2.03	0.39	14.15	13.38	17.88	15.23	9.02	NORM	NORM	NORM	WET	NORM	1997
1998	1.56	0.34	2.12	5.11	1.87	6.82	0.16	8.60	19.91	17.95	29.31	15.99	NORM	NORM	NORM	WET	WET	1998
1999	0.38	2.74	1.88	3.48	2.02	2.30	0.96	11.50	16.94	14.90	14.42	9.50	NORM	NORM	NORM	NORM	WET	1999
2000	2.62	4.49	1.87	2.70	4.31	0.05	0.34	17.21	16.33	20.20	11.47	5.43	WET	NORM	WET	NORM	NORM	2000
2001	0.10	1.66	2.29	1.27	3.79	0.54	0.59	10.29	10.05	16.20	10.47	6.64	NORM	DRY	NORM	NORM	NORM	2001
2002	0.77	1.07	1.43	0.41	0.94	0.55	1.57	7.20	5.16	5.07	3.94	6.75	DRY	DRY	DRY	DRY	NORM	2002
2003	1.47	1.76	0.91	3.18	1.26	0.54	2.35	7.72	13.12	11.05	7.32	9.39	NORM	NORM	NORM	NORM	WET	2003
2004	1.15	0.24	3.05	1.42	1.61	0.95	3.25	10.78	10.60	10.72	7.49	13.26	NORM	DRY	NORM	NORM	WET	2004
2005	0.72	3.11	4.86	3.40	2.31	1.55	0.30	21.52	23.03	18.59	12.67	6.31	WET	WET	NORM	NORM	NORM	2005
2006	0.76	1.32	0.85	0.33	0.23	0.58	2.41	5.95	4.01	2.20	2.53	8.62	DRY	DRY	DRY	DRY	NORM	2006
2007	1.15	1.27	2.98	3.48	1.02	1.98	0.27	12.63	17.67	13.00	11.46	5.79	NORM	NORM	NORM	NORM	NORM	2007
2008	0.89	1.81	7.72	5.98	2.28	1.02	0.65	27.67	35.19	26.52	13.60	6.27	WET	WET	WET	NORM	NORM	2008
2009	2.62	2.26	1.55	3.30	3.21	2.66	0.85	11.79	15.26	17.78	17.70	11.08	NORM	NORM	NORM	WET	WET	2009
2010	0.50	2.29	3.81	2.98	2.25	0.98	2.57	16.51	18.85	16.52	10.42	11.92	WET	NORM	NORM	NORM	WET	2010
2011	1.25	2.21	2.10	3.03	2.37	2.91	1.02	11.97	15.50	15.27	16.50	11.25	NORM	NORM	NORM	WET	WET	2011
2012	0.07	2.22	1.46	2.15	0.82	0.33	0.06	8.89	11.59	8.22	4.78	1.66	NORM	NORM	DRY	DRY	DRY	2012
2013	0.48	2.64	4.39	1.52	4.09	1.44	1.50	18.93	15.98	19.70	14.02	11.47	WET	NORM	WET	NORM	WET	2013
2014	0.95	1.27	1.92	7.38	0.23	3.09	1.62	9.25	27.25	17.37	17.11	11.27	NORM	WET	NORM	WET	WET	2014
2015	0.18	0.54	7.56	3.46	1.77	4.82	0.54	23.94	26.04	19.79	21.46	13.03	WET	WET	WET	WET	WET	2015
2016	1.00	2.81	1.48	1.53	1.45	2.35	1.98	11.06	10.36	8.89	11.48	12.09	NORM	DRY	DRY	NORM	WET	2016
2017	1.03	2.42	1.58	1.90	1.81	1.04	0.72	10.61	11.28	10.81	8.64	6.05	NORM	NORM	NORM	NORM	NORM	2017
2018	1.59	1.50	3.99	2.83	3.11	1.44	1.10	16.56	17.97	18.98	13.37	9.29	WET	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.54	1.05	1.28	March	1.05
April	0.86	1.68	2.07	April	1.68
May	1.75	2.68	3.22	May	2.68
June	2.14	3.23	3.88	June	3.23
July	1.24	2.20	2.68	July	2.20
August	0.71	1.42	1.74	August	1.42
Sept.	0.36	0.87	1.06	Sept.	0.87

NOTE:

Elm Springs 3 ESE NWS Station (SD2647) was used for 1980; Mar-Jun 1981; May-Aug 1982; May 1984; Apr, Jun, Jul 2004; May, Aug 2005; Apr-Jun, Aug, Sep 2007; Sep 2008; May 2009; Jul-Sep 2011; Mar, May, Jul 2012; Mar, May-Aug 2013; Aug 2015; May-Sep 2016; Mar, Apr 2017; May, Jul, Aug 2018.

Jun-MAM	7.51	12.45	15.08
Jul-JMA	10.78	16.73	20.15
Aug-JJM	9.75	15.74	19.02
Sep-AJJ	6.75	11.89	14.46
Oct-SAJ	3.74	7.65	9.34

Rainfall Data
Platte
Station #SD6669
Charles Mix County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1938	2.85	6.96	4.99	2.05	2.12	1.09	1.58	31.74	23.09	15.45	9.56	9.04	WET	NORM	NORM	DRY	NORM	1938
1941	0.48	4.69	1.77	3.95	1.74	2.91	2.31	15.17	20.08	14.89	16.16	14.49	NORM	NORM	NORM	NORM	NORM	1941
1955	0.11	1.14	2.66	3.25	1.76	1.06	0.98	10.37	16.21	14.44	9.95	6.82	DRY	NORM	NORM	DRY	DRY	1955
1963	2.03	1.45	1.02	3.82	4.39	1.11	5.65	7.99	14.95	21.83	15.93	23.56	DRY	NORM	NORM	NORM	WET	1963
1968	0.33	6.59	1.63	5.54	1.17	1.76	1.34	18.40	26.47	16.22	13.16	8.71	NORM	WET	NORM	NORM	NORM	1968
1969	0.30	0.59	3.76	1.42	4.38	3.11	2.13	12.76	12.37	19.74	19.51	16.99	NORM	DRY	NORM	NORM	NORM	1969
1975	2.09	2.18	1.13	6.33	1.32	3.43	0.66	9.84	23.43	17.75	19.26	10.16	DRY	NORM	NORM	NORM	NORM	1975
1976	0.54	1.65	3.29	1.36	1.81	1.32	2.51	13.71	12.31	11.44	8.94	11.98	NORM	DRY	DRY	DRY	NORM	1976
1977	4.56	2.67	4.76	2.24	3.01	4.72	6.78	24.18	18.91	18.27	22.42	32.79	WET	NORM	NORM	WET	WET	1977
1978	0.23	3.66	4.09	3.40	3.48	2.05	0.66	19.82	22.04	21.33	16.51	9.56	NORM	NORM	NORM	NORM	NORM	1978
1980	1.22	1.09	2.11	2.49	2.12	4.85	0.31	9.73	12.78	13.45	21.28	12.75	DRY	DRY	DRY	WET	NORM	1980
1981	2.06	1.01	2.96	3.09	3.94	1.38	0.69	12.96	16.20	20.96	15.11	8.77	NORM	NORM	NORM	NORM	NORM	1981
1982	1.04	1.51	8.79	3.51	4.21	1.66	2.60	30.43	29.62	28.44	16.91	15.33	WET	WET	WET	NORM	NORM	1982
1983	2.82	1.85	3.17	3.94	4.39	0.63	0.78	16.03	20.01	24.22	14.61	7.99	NORM	NORM	WET	NORM	DRY	1983
1984	1.74	4.80	2.89	3.39	2.27	3.74	1.05	20.01	20.75	16.48	19.15	12.90	NORM	NORM	NORM	NORM	NORM	1984
1985	1.84	3.24	3.70	1.81	2.65	5.60	3.34	19.42	16.07	15.27	23.91	23.87	NORM	NORM	NORM	WET	WET	1985
1986	2.17	4.87	5.15	4.56	2.37	0.49	4.26	27.36	28.85	21.38	10.77	16.13	WET	WET	NORM	DRY	NORM	1986
1987	6.39	0.78	1.52	0.89	2.35	2.72	3.34	12.51	6.49	10.35	13.75	17.81	NORM	DRY	DRY	NORM	NORM	1987
1988	0.75	3.22	4.81	1.63	1.59	4.45	4.67	21.62	17.73	12.84	18.16	24.50	NORM	NORM	DRY	NORM	WET	1988
1989	1.08	0.96	1.80	2.14	3.90	0.86	1.42	8.40	10.98	17.78	12.52	9.88	DRY	DRY	NORM	NORM	NORM	1989
1990	1.33	1.67	8.34	2.65	1.63	2.41	0.27	29.69	26.30	18.53	13.14	7.26	WET	WET	NORM	NORM	DRY	1990
1991	1.73	2.94	5.15	2.70	2.63	0.68	1.35	23.06	21.34	18.44	10.00	8.04	WET	NORM	NORM	DRY	DRY	1991
1992	2.01	1.46	0.44	2.48	7.38	4.99	2.58	6.25	9.78	27.54	32.21	25.10	DRY	DRY	WET	WET	WET	1992
1993	1.08	3.55	3.50	8.56	4.48	2.19	2.47	18.68	36.23	34.06	24.09	16.27	NORM	WET	WET	WET	NORM	1993
1994	0.15	3.52	0.75	3.11	4.89	1.56	2.32	9.44	14.35	21.64	17.57	14.97	DRY	NORM	NORM	NORM	NORM	1994
1995	2.59	6.53	6.92	1.61	3.08	5.50	6.99	36.41	25.20	19.38	24.27	35.05	WET	WET	NORM	WET	WET	1995
1996	0.79	1.08	6.25	2.46	2.09	2.32	7.75	21.70	20.96	17.44	13.60	29.98	NORM	NORM	NORM	NORM	WET	1996
1997	0.13	2.90	3.21	5.34	3.88	1.73	2.70	15.56	25.34	25.53	18.29	15.44	NORM	WET	WET	NORM	NORM	1997
1998	1.75	2.45	2.60	5.14	2.62	3.97	0.93	14.45	23.07	20.74	22.29	13.35	NORM	NORM	NORM	WET	NORM	1998
1999	0.83	4.66	4.61	5.02	5.01	1.56	1.97	23.98	28.94	29.68	19.72	14.04	WET	WET	WET	NORM	NORM	1999
2000	0.43	1.51	4.09	2.60	2.41	2.74	0.28	15.72	17.49	16.52	15.64	8.73	NORM	NORM	NORM	NORM	NORM	2000
2001	0.33	6.63	3.01	2.08	4.34	0.22	4.33	22.62	18.89	20.19	11.42	17.77	WET	NORM	NORM	NORM	NORM	2001
2002	1.05	2.17	1.53	2.22	1.01	4.11	1.27	9.98	11.89	9.00	16.57	13.04	DRY	DRY	DRY	NORM	NORM	2002
2003	0.50	3.29	2.51	3.06	2.13	2.01	1.19	14.61	17.49	15.02	13.35	9.72	NORM	NORM	NORM	NORM	NORM	2003
2004	2.45	1.00	3.59	4.29	1.71	1.04	4.66	15.22	21.05	17.30	10.83	17.77	NORM	NORM	NORM	DRY	NORM	2004
2005	0.91	2.33	3.28	6.78	0.58	0.54	1.95	15.41	29.23	18.58	9.56	7.51	NORM	WET	NORM	DRY	DRY	2005
2006	1.85	3.62	0.89	2.36	0.47	2.35	4.52	11.76	12.48	7.02	10.35	18.73	NORM	DRY	DRY	DRY	WET	2006
2007	2.42	1.76	5.68	6.24	1.47	4.78	1.51	22.98	31.84	22.57	23.52	15.56	WET	WET	NORM	WET	NORM	2007
2008	1.07	1.82	2.68	6.18	1.48	1.48	1.48	12.75	25.72	19.48	13.58	8.88	NORM	WET	NORM	NORM	NORM	2008
2009	1.42	1.37	2.11	3.45	3.99	3.57	2.28	10.49	15.94	20.98	22.14	17.97	DRY	NORM	NORM	WET	NORM	2009
2010	1.05	3.70	2.25	7.14	7.13	3.05	1.89	15.20	29.62	37.92	30.55	18.90	NORM	WET	WET	WET	WET	2010
2011	0.74	3.56	4.28	6.81	2.40	1.63	0.30	20.70	32.55	25.10	16.50	6.56	NORM	WET	WET	NORM	DRY	2011
2012	0.59	4.62	2.02	1.04	1.02	1.04	0.12	15.89	11.78	7.16	6.20	3.46	NORM	DRY	DRY	DRY	DRY	2012
2013	1.06	3.10	4.89	4.60	1.96	3.73	1.98	21.93	26.68	19.97	19.71	15.36	NORM	WET	NORM	NORM	NORM	2013
2014	0.70	2.25	2.27	3.43	0.23	7.94	1.56	12.01	17.08	9.82	27.71	20.79	NORM	NORM	DRY	WET	WET	2014
2015	0.12	0.91	3.73	2.05	5.92	2.73	3.31	13.13	14.52	25.59	22.08	21.31	NORM	NORM	WET	WET	WET	2015
2016	1.48	6.31	5.73	1.34	1.53	3.87	2.44	31.29	21.79	13.00	16.01	16.59	WET	NORM	DRY	NORM	NORM	2016
2017	0.15	2.28	2.90	0.96	0.52	5.14	3.92	13.41	10.96	6.38	17.42	22.56	NORM	DRY	DRY	NORM	WET	2017
2018	2.12	2.13	1.89	6.09	4.06	2.97	5.32	12.05	24.18	26.25	23.12	25.96	NORM	NORM	WET	WET	WET	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data	
	Bound	N	Bound	N		
March	0.8	1.67	2.04		March	1.67
April	1.67	2.61	3.14		April	2.61
May	2.36	3.80	4.59		May	3.80
June	2.37	3.41	4.05		June	3.41
July	2.34	3.16	3.71		July	3.16
August	1.45	2.47	3.00		August	2.47
Sept.	1.04	2.39	2.92		Sept.	2.39
Jun-MAM	11.22	18.29	22.09			
Jul-JMA	13.50	20.44	24.47			
Aug-JJM	14.12	20.10	23.82			
Sep-AJJ	11.40	17.14	20.47			
Oct-SAJ	8.36	15.27	18.47			

Note:
Academy 2 NE NWS Station (SD0043) was used for 1938; 1941.

Rainfall Data
 Pollock
 Station #SD6712
 Campbell County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1957	0.00	2.20	4.10	2.56	2.96	2.29	2.58	16.70	18.08	18.10	15.35	15.28	WET	NORM	NORM	NORM	WET	1957
1970	0.54	4.86	1.86	2.56	0.90	1.33	3.41	15.84	16.26	9.68	8.35	13.79	WET	NORM	NORM	DRY	WET	1970
1978	0.64	2.10	3.46	4.13	1.93	4.02	0.42	15.22	21.41	17.51	20.05	11.23	WET	WET	NORM	WET	NORM	1978
1980	0.27	0.80	0.29	3.15	1.79	2.30	1.32	2.74	10.83	11.96	13.63	10.35	DRY	NORM	NORM	NORM	NORM	1980
1981	0.44	0.24	1.58	2.45	7.77	2.88	1.46	5.66	10.75	29.79	26.63	17.91	DRY	NORM	WET	WET	WET	1981
1982	2.72	2.95	3.80	2.10	0.60	0.78	0.45	20.02	16.85	9.80	5.64	3.51	WET	NORM	NORM	DRY	DRY	1982
1983	2.12	1.07	3.28	3.35	2.47	1.96	1.49	14.10	17.68	17.39	14.17	10.86	NORM	NORM	NORM	NORM	NORM	1983
1984	1.43	2.87	1.05	4.96	1.67	2.00	1.18	10.32	19.85	15.98	14.30	9.21	NORM	WET	NORM	NORM	NORM	1984
1985	1.28	0.73	2.15	1.59	1.39	1.26	1.70	9.19	9.80	9.50	8.15	9.01	NORM	NORM	NORM	DRY	NORM	1985
1986	0.37	4.37	4.48	2.18	3.26	2.02	3.93	22.55	19.87	18.62	14.76	19.09	WET	WET	NORM	NORM	WET	1986
1987	1.42	0.04	4.50	1.21	2.07	1.64	0.86	15.00	12.67	13.13	10.27	7.93	WET	NORM	NORM	NORM	NORM	1987
1988	0.37	0.10	1.74	3.45	0.59	1.59	0.62	5.79	13.93	10.41	9.40	5.63	DRY	NORM	NORM	NORM	DRY	1988
1989	2.12	5.24	1.00	0.68	0.63	2.62	0.58	15.60	9.28	4.25	9.80	7.61	WET	DRY	DRY	NORM	NORM	1989
1990	0.90	0.91	1.46	3.92	1.81	4.16	0.90	7.10	15.59	14.73	20.02	12.83	NORM	NORM	NORM	WET	NORM	1990
1991	0.53	2.02	4.20	2.43	1.20	0.81	0.23	17.17	17.71	12.66	7.26	3.51	WET	NORM	NORM	DRY	DRY	1991
1992	0.44	0.36	1.46	2.69	3.30	1.92	1.06	5.54	11.35	16.74	15.05	10.32	DRY	NORM	NORM	NORM	NORM	1992
1993	0.27	0.80	1.91	5.87	7.04	3.56	0.62	7.60	22.23	34.77	30.63	16.02	NORM	WET	WET	WET	WET	1993
1994	0.38	1.72	1.98	1.39	4.60	2.92	0.46	9.76	9.85	18.56	19.35	11.82	NORM	NORM	NORM	WET	NORM	1994
1995	0.93	1.79	4.09	4.94	3.27	1.35	0.90	16.78	24.79	23.78	15.53	8.67	WET	WET	WET	NORM	NORM	1995
1996	0.59	0.39	4.48	2.14	0.84	1.59	4.25	14.81	15.77	11.28	8.59	16.77	WET	NORM	NORM	DRY	WET	1996
1997	0.54	2.00	0.68	3.78	1.89	1.14	0.85	6.58	14.70	13.91	10.98	6.72	DRY	NORM	NORM	NORM	NORM	1997
1998	0.20	0.57	1.53	4.73	3.25	6.51	1.40	5.93	17.82	20.74	30.76	20.47	DRY	NORM	WET	WET	WET	1998
1999	0.06	1.59	6.48	2.85	4.10	2.22	2.98	22.68	23.10	24.48	17.71	17.48	WET	WET	WET	WET	WET	1999
2000	1.77	1.18	2.75	1.73	1.65	1.65	0.75	12.38	11.87	11.16	9.98	7.20	NORM	NORM	NORM	NORM	NORM	2000
2001	0.28	1.88	2.85	5.22	5.57	0.64	2.28	12.59	23.24	30.00	18.28	13.69	NORM	WET	WET	WET	WET	2001
2002	0.34	0.81	0.68	1.60	3.57	1.59	0.45	4.00	6.97	14.59	13.51	8.10	DRY	DRY	NORM	NORM	NORM	2002
2003	0.46	1.28	2.19	2.47	1.67	1.32	0.83	9.59	13.07	12.14	9.77	6.80	NORM	NORM	NORM	NORM	NORM	2003
2004	1.20	0.56	3.72	3.65	1.43	1.28	3.43	13.48	18.95	15.31	10.35	14.28	NORM	NORM	NORM	NORM	WET	2004
2005	0.39	0.67	3.2	5.23	1.07	3.21	0.96	11.33	22.76	16.87	17.00	10.37	NORM	WET	NORM	WET	NORM	2005
2006	0.32	0.95	0.74	1.05	1.17	1.33	2.57	4.44	5.58	6.35	7.38	11.54	DRY	DRY	DRY	DRY	NORM	2006
2007	2.23	1.58	4.87	3.45	0.26	2.98	1.38	20.00	21.67	12.55	12.91	10.36	WET	WET	NORM	NORM	NORM	2007
2008	0.54	0.86	1.97	4.83	2.33	2.29	1.45	8.17	19.29	18.62	16.36	11.26	NORM	WET	NORM	NORM	NORM	2008
2009	2.03	1.70	0.71	4.47	2.13	1.96	0.94	7.56	16.53	16.04	14.61	8.87	NORM	NORM	NORM	NORM	NORM	2009
2010	1.42	2.15	3.47	2.44	1.46	1.22	2.66	16.13	16.41	12.73	9.02	11.88	WET	NORM	NORM	NORM	NORM	2010
2011	1.04	1.78	2.13	3.85	2.49	2.85	0.62	10.99	17.59	17.30	17.38	10.05	NORM	NORM	NORM	WET	NORM	2011
2012	0.07	1.95	2.92	3.84	1.54	1.17	0.03	12.73	19.31	15.22	10.43	3.97	NORM	WET	NORM	NORM	DRY	2012
2013	0.59	1.40	6.77	1.61	3.45	1.42	2.68	23.70	19.77	20.34	12.77	14.33	WET	WET	WET	NORM	WET	2013
2014	0.42	1.80	1.84	5.74	0.17	3.46	0.71	9.54	22.70	13.83	16.46	9.22	NORM	WET	NORM	NORM	NORM	2014
2015	0.23	0.77	5.20	4.47	2.61	1.80	0.42	17.37	24.58	21.97	15.09	7.47	WET	WET	WET	NORM	NORM	2015
2016	1.08	2.67	2.45	0.76	5.25	2.47	1.12	13.77	9.85	19.72	18.67	13.55	NORM	NORM	WET	WET	WET	2016
2017	0.43	0.52	0.40	1.69	2.22	2.36	1.70	2.67	6.39	10.44	13.21	12.04	DRY	DRY	NORM	NORM	NORM	2017
2018	0.92	1.18	2.34	3.59	2.79	2.15	2.49	10.30	16.63	17.89	15.62	14.56	NORM	NORM	NORM	NORM	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.48	1.02	1.25	March	1.02
April	0.72	1.66	2.02	April	1.66
May	1.60	2.58	3.12	May	2.58
June	1.93	2.98	3.59	June	2.98
July	1.30	2.34	2.85	July	2.34
August	1.36	2.10	2.53	August	2.10
Sept.	0.65	1.35	1.65	Sept.	1.35
Jun-MAM	6.72	12.08	14.65		
Jul-JMA	9.71	15.76	19.03		
Aug-JJM	9.36	15.56	18.85		
Sep-AJJ	8.61	13.96	16.88		
Oct-SAJ	5.97	10.59	12.86		

Rainfall Data
 Porcupine 11 N
 Station #SD6736
 Shannon County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.83	0.86	1.40	1.53	0.72	2.18	1.82	6.75	8.25	6.62	9.51	10.54	DRY	DRY	DRY	NORM	NORM	1980
1981	0.31	0.20	2.58	1.43	3.59	1.21	1.36	8.45	9.65	16.21	12.24	10.09	NORM	DRY	NORM	NORM	NORM	1981
1982	0.90	0.35	5.54	3.58	4.92	0.72	2.87	18.22	22.17	27.46	15.58	14.97	WET	WET	WET	NORM	WET	1982
1983	1.51	2.03	5.40	3.42	3.48	0.87	1.00	21.77	23.09	22.68	12.99	8.22	WET	WET	WET	NORM	NORM	1983
1984	0.16	2.31	2.22	3.18	1.99	1.52	0.53	11.44	16.29	14.55	11.72	6.62	NORM	NORM	NORM	NORM	NORM	1984
1985	0.52	0.92	0.96	1.32	2.17	3.00	0.76	5.24	6.80	10.11	14.66	10.45	DRY	DRY	DRY	NORM	NORM	1985
1986	1.20	3.67	0.95	4.51	2.35	1.15	1.92	11.39	19.10	17.02	12.66	10.41	NORM	NORM	NORM	NORM	NORM	1986
1987	1.47	0.20	4.01	1.44	1.14	1.30	0.57	13.90	12.54	10.31	7.62	5.45	NORM	NORM	DRY	DRY	NORM	1987
1988	0.29	0.59	4.89	2.18	2.09	1.82	1.42	16.14	16.91	15.52	11.82	9.99	WET	NORM	NORM	NORM	NORM	1988
1989	1.49	1.12	1.53	1.11	2.67	0.41	0.61	8.32	7.51	11.76	7.68	5.32	NORM	DRY	NORM	DRY	NORM	1989
1990	1.35	0.59	2.52	3.01	3.49	0.96	0.40	10.09	14.66	19.01	12.87	6.61	NORM	NORM	NORM	NORM	NORM	1990
1991	0.38	2.02	2.96	7.42	1.38	0.75	1.82	13.30	30.20	21.94	12.43	8.34	NORM	WET	WET	NORM	NORM	1991
1992	1.39	2.09	1.50	4.46	3.92	1.57	0.28	10.07	18.47	22.18	17.01	7.90	NORM	NORM	WET	WET	NORM	1992
1993	1.00	2.23	2.55	5.51	3.06	4.66	1.12	13.11	23.86	22.75	25.61	15.74	NORM	WET	WET	WET	WET	1993
1994	0.29	1.88	1.45	4.40	3.17	0.66	3.58	8.40	17.98	19.76	12.72	15.23	NORM	NORM	NORM	NORM	WET	1994
1995	0.73	2.81	4.82	3.79	1.57	0.48	3.72	20.81	23.82	17.11	8.37	13.69	WET	WET	NORM	NORM	WET	1995
1996	0.91	1.42	5.06	2.41	0.79	0.84	3.40	18.93	18.77	12.25	6.51	12.67	WET	NORM	NORM	DRY	WET	1996
1997	0.90	3.58	3.97	3.79	4.60	2.04	1.05	19.97	22.89	25.35	19.11	11.83	WET	WET	WET	WET	NORM	1997
1998	2.13	0.02	3.39	2.46	4.65	2.91	2.05	12.34	14.18	22.26	20.49	16.62	NORM	NORM	WET	WET	WET	1998
1999	0.71	3.47	1.93	6.06	2.91	2.33	3.09	13.44	25.51	22.78	18.87	16.84	NORM	WET	WET	WET	WET	1999
2000	2.54	5.09	2.96	1.93	1.01	0.52	0.16	21.60	16.80	9.85	5.51	2.53	WET	NORM	DRY	DRY	DRY	2000
2001	1.11	2.99	1.81	3.31	3.68	0.72	0.61	12.52	16.54	19.47	12.83	6.95	NORM	NORM	NORM	NORM	NORM	2001
2002	1.35	1.54	2.79	0.31	0.67	2.03	3.52	12.80	8.05	5.42	7.74	15.29	NORM	DRY	DRY	DRY	WET	2002
2003	2.07	1.59	3.06	2.44	0.20	0.42	1.39	14.43	15.03	8.54	4.10	5.21	NORM	NORM	DRY	DRY	NORM	2003
2004	1.50	0.84	1.35	1.43	2.05	1.38	2.82	7.23	7.83	10.36	9.67	13.27	DRY	DRY	DRY	NORM	WET	2004
2005	1.1	2.3	5.44	3.56	1.83	3.13	0.77	22.02	23.86	18.05	16.61	10.40	WET	WET	NORM	WET	NORM	2005
2006	1.72	3.62	0.88	1.92	1.38	2.32	4.10	11.60	11.14	8.86	11.64	18.32	NORM	NORM	DRY	NORM	WET	2006
2007	1.34	0.86	3.75	1.12	0.71	6.00	0.79	14.31	11.72	8.12	20.54	15.08	NORM	NORM	DRY	WET	WET	2007
2008	0.80	1.05	4.32	3.87	2.22	2.65	1.97	15.86	21.30	18.72	16.26	13.43	NORM	WET	NORM	WET	WET	2008
2009	2.48	3.88	0.56	3.65	1.53	2.31	0.86	11.92	15.95	12.45	13.64	8.73	NORM	NORM	NORM	NORM	NORM	2009
2010	2.41	4.07	2.65	3.38	0.88	1.27	1.41	18.50	19.51	12.05	8.95	7.65	WET	NORM	NORM	NORM	NORM	2010
2011	0.86	2.17	5.49	3.12	2.09	2.58	0.76	21.67	22.51	18.00	15.04	9.53	WET	WET	NORM	NORM	NORM	2011
2012	0.03	2.61	2.32	3.87	1.18	0.02	0.11	12.21	18.86	13.60	6.29	1.55	NORM	NORM	NORM	DRY	DRY	2012
2013	0.43	2.32	2.43	1.78	3.71	2.19	1.73	12.36	12.52	17.12	15.77	13.28	NORM	NORM	NORM	WET	WET	2013
2014	0.48	3.93	4.56	3.68	2.30	5.06	2.78	22.02	24.09	18.82	23.46	20.76	WET	WET	NORM	WET	WET	2014
2015	0.28	1.79	8.63	6.20	1.90	0.83	0.53	29.75	37.65	26.73	12.49	5.15	WET	WET	WET	NORM	NORM	2015
2016	1.80	3.82	1.02	0.63	1.49	1.17	0.80	12.50	7.75	6.75	7.12	6.23	NORM	DRY	DRY	DRY	NORM	2016
2017	0.61	3.28	1.50	1.94	0.98	0.36	1.67	11.67	12.10	8.32	4.98	6.71	NORM	NORM	DRY	DRY	NORM	2017
2018	1.31	1.81	3.87	6.15	1.20	2.30	1.24	16.54	28.00	19.77	15.45	9.52	WET	WET	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.48	1.00	1.22	March	1.00
April	0.84	1.90	2.32	April	1.90
May	1.80	2.81	3.39	May	2.81
June	1.77	2.95	3.58	June	2.95
July	1.70	2.66	3.20	July	2.66
August	0.88	1.57	1.92	August	1.57
Sept.	0.46	1.35	1.62	Sept.	1.35

NOTE:

Porcupine 11 N NWS Station (SD6736) has not collected data as of May 2012.

Interior 3 NE NWS Station (SD4184) was used for Mar 1989; 2017-2018.

Oglala 1 S NWS Station (SD6227) was used for Jun 2007; Mar, Apr 2008; May-Sep 2012; 2013-2016.

Jun-MAM	7.56	13.23	16.03
Jul-JMA	9.75	16.37	19.84
Aug-JJM	10.44	16.69	20.15
Sep-AJJ	7.81	12.98	15.74
Oct-SAJ	4.84	9.85	11.90

Rainfall Data
 Presho 7 NW
 Station #SD6790
 Lyman County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1938	2.22	4.32	3.89	4.27	1.13	0.74	4.11	22.53	24.91	15.82	8.75	14.94	WET	WET	NORM	DRY	WET	1938
1940	2.57	1.68	0.26	1.73	1.39	1.32	1.44	6.71	7.39	7.89	8.47	8.35	DRY	DRY	DRY	DRY	NORM	1940
1953	0.74	4.07	1.87	3.78	1.56	1.25	0.11	14.49	19.15	14.11	10.65	4.39	NORM	NORM	NORM	NORM	DRY	1953
1963	1.00	2.03	2.59	3.32	3.15	0.97	2.92	12.83	17.17	18.68	12.53	13.85	NORM	NORM	NORM	NORM	NORM	1963
1968	0.03	4.98	1.76	6.67	1.51	2.72	0.84	15.27	28.51	19.63	17.85	9.47	NORM	WET	NORM	NORM	NORM	1968
1969	0.27	0.38	1.43	2.10	4.39	1.02	0.45	5.32	9.54	18.80	13.94	7.78	DRY	DRY	NORM	NORM	NORM	1969
1970	0.51	3.11	4.14	2.78	1.16	2.56	0.33	19.15	19.73	13.18	12.78	7.27	WET	NORM	NORM	NORM	NORM	1970
1971	0.23	3.73	1.82	1.09	0.70	3.62	1.03	13.15	10.64	6.10	13.35	11.03	NORM	DRY	DRY	NORM	NORM	1971
1980	0.81	0.60	0.58	1.76	1.17	4.66	0.08	3.75	7.04	7.61	18.08	10.73	DRY	DRY	DRY	NORM	NORM	1980
1981	1.84	0.35	2.49	1.99	5.32	3.29	0.32	10.01	11.30	22.43	22.50	12.86	NORM	DRY	NORM	WET	NORM	1981
1982	1.72	0.31	7.75	4.48	3.41	4.99	1.34	25.59	29.25	26.94	26.27	17.41	WET	WET	WET	WET	WET	1982
1983	1.96	0.82	3.24	2.89	0.89	2.68	0.93	13.32	15.97	11.69	12.71	9.04	NORM	NORM	NORM	NORM	NORM	1983
1984	1.13	3.57	2.08	5.01	3.47	1.49	0.80	14.51	22.76	22.51	16.42	8.85	NORM	NORM	WET	NORM	NORM	1984
1985	1.38	0.75	1.83	3.30	2.15	2.16	2.76	8.37	14.31	14.88	14.08	14.75	DRY	NORM	NORM	NORM	WET	1985
1986	1.15	4.72	4.19	2.67	1.99	1.25	3.10	23.16	21.11	15.50	10.40	13.79	WET	NORM	NORM	NORM	NORM	1986
1987	3.77	0.30	3.79	1.19	1.54	3.00	0.37	15.74	11.45	10.79	13.27	8.65	NORM	NORM	DRY	NORM	NORM	1987
1988	0.25	0.90	3.51	3.05	0.00	0.65	1.30	12.58	17.07	9.61	5.00	5.20	NORM	NORM	DRY	DRY	DRY	1988
1989	1.30	2.45	0.80	1.80	2.77	0.33	4.65	8.60	9.45	12.71	8.33	17.38	DRY	DRY	NORM	DRY	WET	1989
1990	1.58	1.32	4.37	4.32	1.85	1.80	2.29	17.33	23.02	18.56	13.42	12.32	NORM	NORM	NORM	NORM	NORM	1990
1991	1.00	2.92	5.29	8.59	1.05	1.90	1.05	22.71	39.27	25.62	16.39	8.00	WET	WET	WET	NORM	NORM	1991
1992	1.75	0.35	0.97	5.22	5.42	2.75	1.87	5.36	17.95	27.67	24.31	16.53	DRY	NORM	WET	WET	WET	1992
1993	1.55	4.60	2.07	7.70	5.35	0.70	1.70	16.96	31.84	33.52	20.50	11.85	NORM	WET	WET	WET	NORM	1993
1994	0.06	2.40	1.20	3.45	3.23	2.93	1.28	8.46	15.15	17.79	18.70	12.93	DRY	NORM	NORM	NORM	NORM	1994
1995	1.85	5.10	6.00	4.10	1.60	1.41	1.75	30.05	29.40	19.00	11.53	9.67	WET	WET	NORM	NORM	NORM	1995
1996	0.20	1.50	6.24	0.83	2.43	0.85	5.32	21.92	16.47	15.19	8.24	20.09	WET	NORM	NORM	DRY	WET	1996
1997	0.10	2.48	5.05	6.60	6.30	1.35	0.90	20.21	32.38	37.15	23.25	11.70	WET	WET	WET	WET	NORM	1997
1998	2.40	1.10	2.55	5.30	4.36	2.05	0.00	12.25	22.10	26.23	20.17	8.46	NORM	NORM	WET	WET	NORM	1998
1999	1.01	3.90	5.90	3.20	1.55	10.10	2.75	26.51	25.30	16.95	36.60	30.00	WET	WET	NORM	WET	WET	1999
2000	0.80	2.25	1.90	3.95	1.50	0.65	0.00	11.00	17.90	14.30	8.90	2.80	NORM	NORM	NORM	DRY	DRY	2000
2001	0.55	6.15	3.15	2.93	3.15	0.00	2.90	22.30	21.24	18.46	9.23	11.85	WET	NORM	NORM	NORM	NORM	2001
2002	0.00	1.22	2.46	0.80	1.30	2.63	2.32	9.82	8.54	7.96	11.29	13.52	NORM	DRY	DRY	NORM	NORM	2002
2003	0.47	4.80	2.45	3.79	1.70	1.26	0.67	17.42	21.07	15.13	10.97	6.23	NORM	NORM	NORM	NORM	NORM	2003
2004	3.89	0.18	5.15	2.90	0.67	2.11	3.48	19.70	19.18	12.96	10.57	15.33	WET	NORM	NORM	NORM	WET	2004
2005	1.3	3.6	3.87	6.12	0.17	0.82	1.81	20.11	29.70	16.62	8.92	7.24	WET	WET	NORM	DRY	NORM	2005
2006	1.30	1.20	0.41	1.71	0.67	2.62	3.05	4.93	7.15	5.84	10.91	15.06	DRY	DRY	DRY	NORM	WET	2006
2007	2.55	1.12	3.40	2.39	0.09	2.24	1.39	14.99	15.09	8.45	9.29	8.74	NORM	NORM	DRY	NORM	NORM	2007
2008	0.92	0.80	4.27	5.15	1.47	0.76	3.77	15.33	24.79	18.98	10.37	14.30	NORM	WET	NORM	NORM	NORM	2008
2009	0.79	1.37	0.73	3.50	4.17	4.69	0.62	5.72	13.33	20.24	25.91	15.41	DRY	NORM	NORM	WET	WET	2009
2010	1.34	2.20	3.57	4.55	3.21	1.89	2.24	16.45	22.99	22.30	16.64	13.71	NORM	NORM	NORM	NORM	NORM	2010
2011	1.77	2.33	3.43	7.33	3.83	2.21	0.65	16.72	31.18	29.58	21.62	10.20	NORM	WET	WET	WET	NORM	2011
2012	0.17	4.59	2.38	1.57	0.24	0.33	0.04	16.49	14.06	6.24	3.04	1.02	NORM	NORM	DRY	DRY	DRY	2012
2013	0.27	1.91	5.84	1.61	3.40	4.07	1.60	21.61	18.42	19.26	20.62	16.34	WET	NORM	NORM	WET	WET	2013
2014	0.31	2.40	2.58	2.68	0.45	5.12	0.39	12.85	15.60	9.29	18.94	11.86	NORM	NORM	DRY	NORM	NORM	2014
2015	0.37	0.35	4.40	3.99	1.57	2.57	1.08	14.27	21.12	17.09	14.84	9.95	NORM	NORM	NORM	NORM	NORM	2015
2016	0.95	3.55	1.98	1.79	2.51	1.95	3.28	13.99	12.88	13.09	12.66	16.25	NORM	NORM	NORM	NORM	WET	2016
2017	0.60	1.92	1.93	4.02	0.57	3.83	2.42	10.23	17.84	11.68	16.65	15.49	NORM	NORM	NORM	NORM	WET	2017
2018	1.23	1.49	3.13	2.84	0.83	2.84	1.24	13.60	16.27	11.30	13.02	10.23	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.59	1.36	1.67	March	1.36
April	1.08	2.06	2.51	April	2.06
May	2.03	3.31	4.01	May	3.31
June	2.06	3.51	4.26	June	3.51
July	1.65	2.69	3.30	July	2.69
August	1.19	2.28	2.78	August	2.28
Sept.	0.63	1.49	1.85	Sept.	1.49
Jun-MAM	8.84	15.41	18.72		
Jul-JMA	11.32	19.21	23.31		
Aug-JJM	11.10	18.40	22.43		
Sep-AJJ	8.93	15.73	19.20		
Oct-SAJ	5.92	11.72	14.41		

NOTE:

Prescho 7 NW NWS Station (SD6790) has not collected data as of 2007.
 Kennebec NWS Station (SD4516) was used for 1938; 1940; 1953; 1963;
 1968-1971; Mar-May, Sep 1985; Jul 1986; Mar, Jul 1987; Aug 1996; Mar
 1997; Mar, Apr 2006.
 Pierre 24 S NWS Station (SD085) was used for 2007-2018.

Rainfall Data
 Ralph 1 N
 Station #SD6907
 Harding County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1957	0.10	1.53	1.36	7.41	2.05	3.70	1.89	7.24	26.48	22.33	22.61	15.12	NORM	WET	WET	WET	WET	1957
1978	0.14	2.11	4.88	3.41	3.19	2.30	1.25	19.00	22.10	21.27	16.69	11.54	WET	WET	WET	WET	WET	1978
1980	0.40	0.36	0.72	0.92	0.62	2.14	0.23	3.28	4.56	4.42	8.58	5.59	DRY	DRY	DRY	NORM	NORM	1980
1981	0.08	1.09	2.78	2.78	1.43	1.23	1.59	10.60	14.99	12.63	9.33	8.66	NORM	NORM	NORM	NORM	NORM	1981
1982	2.57	0.99	5.88	2.03	2.18	1.76	0.91	22.19	18.84	16.48	11.67	8.43	WET	NORM	NORM	NORM	NORM	1982
1983	0.91	0.73	3.31	2.09	3.59	1.15	0.88	12.30	13.62	18.26	12.72	8.53	NORM	NORM	NORM	NORM	NORM	1983
1984	0.45	3.78	0.59	4.32	0.47	1.00	1.60	9.78	17.92	10.64	8.26	7.27	NORM	NORM	NORM	NORM	NORM	1984
1985	0.79	0.40	2.36	2.31	1.33	1.48	1.02	8.67	12.05	10.97	9.41	7.35	NORM	NORM	NORM	NORM	NORM	1985
1986	0.53	3.62	3.37	1.21	0.84	1.91	3.55	17.88	13.99	8.31	8.62	15.31	WET	NORM	DRY	NORM	WET	1986
1987	2.38	0.40	5.20	0.91	3.30	1.70	1.74	18.78	13.53	16.92	12.61	11.92	WET	NORM	NORM	NORM	WET	1987
1988	0.79	0.20	3.18	5.04	0.19	0.67	0.65	10.73	21.68	13.83	7.43	3.48	NORM	WET	NORM	NORM	DRY	1988
1989	1.13	4.84	0.99	1.71	2.65	1.54	1.26	13.78	11.95	12.36	11.63	9.51	NORM	NORM	NORM	NORM	NORM	1989
1990	0.53	1.35	1.00	2.25	1.06	1.11	0.21	6.23	10.10	8.68	7.70	3.91	DRY	DRY	DRY	NORM	DRY	1990
1991	0.40	2.52	3.10	3.12	1.60	1.00	0.60	14.74	18.08	14.14	9.32	5.40	NORM	NORM	NORM	NORM	NORM	1991
1992	0.35	0.90	1.98	4.49	2.93	1.12	0.66	8.09	18.33	19.75	13.71	7.15	NORM	NORM	WET	NORM	NORM	1992
1993	0.65	1.56	0.78	4.68	7.83	0.53	0.32	6.11	17.16	33.63	21.93	9.85	DRY	NORM	WET	WET	NORM	1993
1994	0.47	1.27	0.76	3.41	3.33	0.19	1.19	5.29	13.02	17.57	10.64	7.28	DRY	NORM	NORM	NORM	NORM	1994
1995	0.59	1.09	5.01	3.54	1.37	1.34	0.23	17.80	21.73	16.20	10.30	4.74	WET	WET	NORM	NORM	NORM	1995
1996	0.62	0.70	6.22	2.48	1.44	0.85	2.55	20.68	20.58	15.50	7.91	10.79	WET	WET	NORM	NORM	WET	1996
1997	0.19	2.31	1.45	3.38	2.03	1.12	0.40	9.16	15.35	14.30	10.80	5.47	NORM	NORM	NORM	NORM	NORM	1997
1998	0.72	0.33	1.46	4.51	1.42	2.10	1.37	5.76	16.78	14.74	13.65	9.73	DRY	NORM	NORM	NORM	NORM	1998
1999	0.17	2.55	2.73	3.62	1.11	3.72	1.00	13.46	18.87	13.30	17.00	11.55	NORM	NORM	NORM	WET	WET	1999
2000	1.37	0.56	3.17	1.83	3.84	0.29	0.46	12.00	12.39	18.35	10.38	5.80	NORM	NORM	NORM	NORM	NORM	2000
2001	0.47	1.98	2.16	3.73	4.48	0.19	0.38	10.91	17.49	23.06	13.26	6.00	NORM	NORM	WET	NORM	NORM	2001
2002	0.40	0.68	0.75	1.50	2.13	1.57	0.44	4.01	6.68	10.14	10.47	6.59	DRY	DRY	NORM	NORM	NORM	2002
2003	1.98	0.87	2.19	2.28	0.30	0.62	3.74	10.29	12.09	7.65	4.74	12.76	NORM	NORM	DRY	DRY	WET	2003
2004	0.40	0.38	1.44	4.10	0.91	1.87	1.03	5.48	15.56	12.37	11.53	7.74	DRY	NORM	NORM	NORM	NORM	2004
2005	0.24	0.36	1.02	3.1	0.61	1.34	0.63	4.02	11.70	9.05	8.34	5.18	DRY	NORM	DRY	NORM	NORM	2005
2006	0.46	3.15	1.5	1.16	0.28	1.40	1.93	11.26	9.63	4.66	5.92	8.87	NORM	DRY	DRY	DRY	NORM	2006
2007	0.67	1.39	3.48	1.98	3.03	1.75	0.49	13.89	14.29	16.53	13.29	8.00	NORM	NORM	NORM	NORM	NORM	2007
2008	0.45	0.77	4.85	4.60	1.67	2.66	0.56	16.54	24.27	19.06	15.92	8.67	WET	WET	WET	WET	NORM	2008
2009	1.99	1.00	1.48	1.69	2.07	1.58	0.14	8.43	9.03	11.07	10.57	5.65	NORM	DRY	NORM	NORM	NORM	2009
2010	0.58	1.35	2.99	2.36	4.06	2.03	3.14	12.25	14.41	19.89	16.57	17.54	NORM	NORM	WET	WET	WET	2010
2011	0.87	2.16	4.79	3.46	2.56	2.17	0.18	19.56	22.12	19.39	15.09	7.44	WET	WET	WET	WET	NORM	2011
2012	0.26	2.54	2.72	1.75	5.79	1.78	0.00	13.50	13.23	23.59	18.67	9.35	NORM	NORM	WET	WET	NORM	2012
2013	0.22	0.87	4.51	4.02	2.67	1.98	7.40	15.49	21.95	20.56	15.30	28.83	WET	WET	WET	WET	WET	2013
2014	0.55	1.67	1.28	6.14	1.05	5.78	1.15	7.73	22.65	16.71	25.58	16.06	NORM	WET	NORM	WET	WET	2014
2015	0.50	0.88	4.45	4.52	3.74	2.24	0.48	15.61	23.34	24.71	18.72	9.66	WET	WET	WET	WET	NORM	2015
2016	0.52	3.12	0.36	2.38	1.56	1.97	0.81	7.84	10.98	9.80	11.41	7.93	NORM	NORM	NORM	NORM	NORM	2016
2017	0.84	2.04	0.67	0.78	2.71	1.35	2.52	6.93	5.72	10.36	10.25	12.97	DRY	DRY	NORM	NORM	WET	2017
2018	0.47	1.78	1.92	4.07	0.82	1.71	1.15	9.79	17.83	12.52	10.84	7.69	NORM	NORM	NORM	NORM	NORM	2018

30% Lower		30% Upper		Normals are for 1971-2000 data	
Month	Bound	N	Bound	Month	
March	0.37	0.73	0.84	March	0.73
April	0.82	1.68	1.98	April	1.68
May	1.69	2.89	3.53	May	2.89
June	2.13	2.98	3.63	June	2.98
July	1.18	2.12	2.62	July	2.12
August	0.74	1.38	1.73	August	1.38
Sept.	0.50	1.23	1.46	Sept.	1.23
Jun-MAM	7.08	12.76	15.39		
Jul-JMA	10.59	16.40	19.93		
Aug-JJJ	9.49	15.21	18.65		
Sep-AJJ	6.71	11.36	14.06		
Oct-SAJ	4.16	8.57	10.46		

NOTE:
 Ralph 1 N NWS Station (SD6907) has not collected data as of Aug 2003.

Ludlow 3 SSE NWS Station (SD5048) was used for May 1980; Sep 2001;
 Jun 2002; Aug, Sep 2003; 2004-2005; Mar-May, Jul-Sep 2006; 2007; May,
 Jul 2012.

Ladner 9 SW NWS Station (SD4671) was used for Jun 2006; Mar 2011;
 Jun, Jul 2017; Jul 2018.

Lodgepole 5 SW NWS Station (SD4956) was used for 2008 - 2010; Apr-Sep
 2011; Mar, Apr, Jun, Aug, Sep 2012; 2013-2014; Apr-Sep 2015; 2016; Mar-
 May, Aug, Sep 2017; Mar-Jun, Aug, Sep 2018.

Rainfall Data
 Rapid City RGNL AP
 Station #SD6937
 Pennington County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.86	1.13	1.58	4.75	1.78	2.38	0.48	7.86	18.54	16.42	15.45	7.98	DRY	NORM	NORM	WET	NORM	1980
1981	0.12	0.32	2.81	1.89	4.47	1.74	0.16	9.19	11.61	20.00	16.05	8.43	NORM	NORM	WET	WET	NORM	1981
1982	1.37	0.69	6.50	2.89	1.81	4.83	2.69	22.25	22.36	17.71	21.00	19.54	WET	WET	NORM	WET	WET	1982
1983	0.84	1.00	2.18	3.01	1.94	2.39	0.33	9.38	14.39	14.02	14.06	7.71	NORM	NORM	NORM	NORM	NORM	1983
1984	0.69	3.10	1.57	4.72	1.57	1.00	0.74	11.60	20.40	15.72	10.86	5.79	NORM	WET	NORM	NORM	NORM	1984
1985	1.55	0.32	1.24	1.58	1.03	1.86	1.57	5.91	7.54	7.49	9.22	9.46	DRY	DRY	DRY	NORM	NORM	1985
1986	0.88	4.74	1.43	4.56	0.91	1.32	3.14	14.65	21.28	13.28	10.34	12.97	NORM	WET	NORM	NORM	WET	1986
1987	1.14	0.05	3.39	1.37	0.83	2.37	0.68	11.41	10.94	8.62	10.14	7.61	NORM	NORM	DRY	NORM	NORM	1987
1988	0.52	0.60	3.25	1.09	0.38	1.98	0.56	11.47	10.37	6.57	7.79	6.02	NORM	NORM	DRY	NORM	NORM	1988
1989	0.96	1.46	1.40	1.04	0.82	1.70	3.09	8.08	7.38	5.94	7.78	13.49	DRY	DRY	DRY	NORM	WET	1989
1990	1.17	0.77	4.87	1.42	1.94	1.87	2.44	17.32	14.77	13.53	10.91	13.00	WET	NORM	NORM	NORM	WET	1990
1991	0.63	2.99	4.40	3.27	1.97	0.58	0.59	19.81	21.60	16.85	8.95	4.90	WET	WET	NORM	NORM	NORM	1991
1992	1.92	0.71	2.47	2.17	3.25	0.47	0.42	10.75	12.16	16.56	10.08	5.45	NORM	NORM	NORM	NORM	NORM	1992
1993	0.82	3.05	2.16	3.39	4.31	1.18	1.46	13.40	17.54	21.87	15.55	11.05	NORM	NORM	WET	WET	WET	1993
1994	0.37	1.20	1.47	0.67	0.64	0.92	0.27	7.18	6.15	4.73	4.71	3.29	DRY	DRY	DRY	DRY	DRY	1994
1995	0.79	2.57	4.03	4.50	2.87	0.46	0.86	18.02	24.13	21.64	11.62	6.37	WET	WET	WET	NORM	NORM	1995
1996	1.06	1.63	8.18	1.25	0.52	1.85	1.55	28.86	21.74	12.24	7.84	8.87	WET	WET	NORM	NORM	NORM	1996
1997	0.20	4.80	5.35	3.43	3.67	3.93	0.78	25.85	25.79	23.22	22.56	13.87	WET	WET	WET	WET	WET	1997
1998	1.33	0.28	2.34	5.59	1.26	1.42	1.50	8.91	21.73	17.30	12.37	8.60	NORM	WET	NORM	NORM	NORM	1998
1999	1.65	3.83	2.01	6.13	4.92	1.23	1.41	15.34	26.24	29.03	19.66	11.61	NORM	WET	WET	WET	WET	1999
2000	1.38	3.95	2.41	1.60	2.06	0.70	0.45	16.51	13.57	11.79	7.82	4.81	WET	NORM	NORM	NORM	NORM	2000
2001	0.42	2.16	1.73	3.57	2.46	1.59	0.91	9.93	16.33	16.25	13.26	8.37	NORM	NORM	NORM	NORM	NORM	2001
2002	0.69	2.24	1.61	0.42	1.13	0.76	2.45	10.00	6.72	5.84	4.96	10.00	NORM	DRY	DRY	DRY	NORM	2002
2003	1.05	2.04	1.32	2.45	0.48	0.47	1.37	9.09	12.03	7.66	4.82	5.53	NORM	NORM	DRY	DRY	NORM	2003
2004	0.98	0.50	2.55	1.02	2.96	0.80	2.04	9.63	8.66	13.47	9.34	10.68	NORM	DRY	NORM	NORM	WET	2004
2005	1.09	1.46	5.3	1.23	0.92	1.8	0.57	19.91	15.75	10.52	8.47	6.23	WET	NORM	NORM	NORM	NORM	2005
2006	1.20	2.09	1.82	0.93	0.76	1.76	2.00	10.84	8.52	5.96	7.73	10.28	NORM	DRY	DRY	NORM	NORM	2006
2007	0.49	1.32	2.93	0.96	1.20	2.82	0.83	11.92	10.06	8.45	11.82	9.33	NORM	NORM	DRY	NORM	NORM	2007
2008	0.60	1.38	7.24	3.12	2.21	1.42	0.87	25.08	25.22	20.11	11.80	7.66	WET	WET	WET	NORM	NORM	2008
2009	2.07	3.65	0.94	2.83	1.77	1.48	1.90	12.19	14.02	11.91	10.81	10.43	NORM	NORM	NORM	NORM	WET	2009
2010	0.17	3.03	5.19	4.57	1.66	1.33	1.51	21.80	27.12	19.31	11.88	8.85	WET	WET	WET	NORM	NORM	2010
2011	0.92	1.54	5.88	3.84	0.66	1.75	0.75	21.64	24.82	15.54	10.41	6.41	WET	WET	NORM	NORM	NORM	2011
2012	0.05	3.08	2.12	2.04	1.57	0.58	0.14	12.57	13.44	10.91	6.92	3.15	NORM	NORM	NORM	DRY	DRY	2012
2013	0.82	3.03	3.16	2.16	1.87	2.41	1.18	16.36	15.83	13.09	13.13	10.23	NORM	NORM	NORM	NORM	NORM	2013
2014	1.09	2.27	1.54	5.25	1.94	4.02	3.17	10.25	21.10	17.86	21.19	19.49	NORM	WET	WET	WET	WET	2014
2015	0.10	0.66	6.86	7.12	4.01	3.41	0.25	22.00	35.74	33.13	25.37	11.58	WET	WET	WET	WET	WET	2015
2016	1.09	1.85	0.84	1.22	2.83	2.28	0.84	7.31	7.19	11.77	13.72	9.91	DRY	DRY	NORM	NORM	NORM	2016
2017	0.53	1.77	1.16	1.75	1.07	2.07	1.14	7.55	9.34	7.87	10.10	8.63	DRY	DRY	DRY	NORM	NORM	2017
2018	1.35	1.70	4.04	6.06	6.02	1.06	1.95	16.87	27.96	34.22	21.28	13.99	WET	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.58	1.03	1.26	March	1.03
April	0.80	1.86	2.27	April	1.86
May	1.97	2.96	3.55	May	2.96
June	1.74	2.83	3.43	June	2.83
July	1.20	2.03	2.46	July	2.03
August	0.99	1.61	1.95	August	1.61
Sept.	0.42	1.10	1.33	Sept.	1.10

Jun-MAM	8.09	13.63	16.45
Jul-JMA	9.96	16.27	19.66
Aug-JJM	9.05	14.71	17.79
Sep-AJJ	7.11	11.72	14.20
Oct-SAJ	4.44	8.55	10.35

NOTE:

Rapid City RGNL AP NWS Station (SD6937) has not collected data as of 2012.

Rapid City RGNL AP NWS Station (SD6937) has been replaced with Rapid City Regional AP NWS Station (SD090).

Rainfall Data
 Rapid City 4 NW
 Station #SD6947
 Pennington County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1980	0.76	1.31	1.84	1.19	1.46	2.58	0.49	8.90	8.56	8.60	11.85	8.09	DRY	DRY	DRY	NORM	NORM	1980
1981	0.02	0.21	6.17	1.65	5.13	0.84	0.16	18.95	17.50	24.86	14.43	7.29	WET	NORM	WET	NORM	NORM	1981
1982	1.44	0.96	6.09	2.38	4.98	4.99	2.70	21.63	20.28	25.79	27.31	23.06	WET	NORM	WET	WET	WET	1982
1983	0.83	0.90	3.02	0.70	1.86	2.67	0.25	11.69	9.04	10.00	12.43	7.95	NORM	DRY	DRY	NORM	NORM	1983
1984	0.05	4.37	1.88	4.83	1.70	1.92	0.84	14.43	22.62	16.64	13.99	8.06	NORM	WET	NORM	NORM	NORM	1984
1985	1.19	0.15	1.46	1.87	1.96	2.36	1.57	5.87	8.68	11.08	12.87	11.39	DRY	DRY	NORM	NORM	NORM	1985
1986	0.83	3.85	2.10	3.80	3.60	3.52	4.09	14.83	19.45	20.50	21.56	22.91	NORM	NORM	NORM	WET	WET	1986
1987	1.05	0.04	4.63	1.48	1.22	3.20	0.72	15.02	13.74	11.25	13.52	9.78	NORM	NORM	NORM	NORM	NORM	1987
1988	0.53	0.58	2.99	1.38	0.28	1.80	0.09	10.66	10.70	6.59	7.34	4.15	NORM	NORM	DRY	DRY	DRY	1988
1989	0.88	1.68	1.67	1.26	1.75	2.10	3.02	9.25	8.80	9.44	11.06	15.01	NORM	DRY	DRY	NORM	WET	1989
1990	0.62	0.91	3.69	0.87	3.89	3.13	0.42	13.51	10.90	17.10	18.04	11.41	NORM	NORM	NORM	WET	NORM	1990
1991	0.45	4.54	6.52	4.00	1.78	0.96	0.58	29.09	29.58	19.86	10.44	5.44	WET	WET	NORM	NORM	DRY	1991
1992	1.83	0.90	2.56	2.32	3.97	1.70	0.53	11.31	12.98	19.11	15.36	8.96	NORM	NORM	NORM	NORM	NORM	1992
1993	0.04	2.22	3.38	4.08	4.09	2.60	1.33	14.62	21.22	23.81	20.06	13.28	NORM	NORM	WET	WET	WET	1993
1994	0.40	0.74	2.66	1.17	2.08	0.77	0.43	9.86	9.57	11.24	7.64	4.91	NORM	DRY	NORM	DRY	DRY	1994
1995	0.57	1.60	6.13	4.41	6.31	0.34	1.04	22.16	27.09	33.88	18.05	10.11	WET	WET	WET	WET	NORM	1995
1996	0.90	1.07	7.85	1.54	1.09	2.43	2.07	26.59	21.39	14.20	11.01	12.16	WET	NORM	NORM	NORM	NORM	1996
1997	0.07	0.96	6.39	2.22	2.32	2.84	1.83	21.16	20.40	17.79	15.38	13.49	WET	NORM	NORM	NORM	WET	1997
1998	1.99	0.38	1.77	5.58	3.11	1.56	4.03	8.06	20.66	22.26	16.48	18.32	DRY	NORM	WET	NORM	WET	1998
1999	1.50	3.96	2.56	9.24	3.60	3.82	1.01	17.10	36.80	31.84	27.90	14.27	NORM	WET	WET	WET	WET	1999
2000	1.50	4.76	2.54	2.46	1.76	0.64	0.49	18.64	17.22	12.74	7.90	4.51	WET	NORM	NORM	DRY	DRY	2000
2001	0.37	2.48	2.19	3.26	4.18	1.63	0.73	11.90	16.64	21.25	16.51	9.63	NORM	NORM	NORM	NORM	NORM	2001
2002	1.08	2.42	2.15	0.01	2.71	2.03	2.04	12.37	6.75	10.30	11.52	12.89	NORM	DRY	DRY	NORM	WET	2002
2003	1.13	1.81	0.66	2.44	0.96	0.84	1.60	6.73	10.45	8.42	6.88	7.44	DRY	DRY	DRY	DRY	NORM	2003
2004	0.81	0.47	3.15	1.15	3.20	1.55	2.25	11.20	10.22	15.05	12.20	13.05	NORM	DRY	NORM	NORM	WET	2004
2005	0.85	1.65	4.16	1.42	1.63	2.73	0.66	16.63	14.23	11.89	12.87	9.07	NORM	NORM	NORM	NORM	NORM	2005
2006	1.75	1.29	1.67	0.67	2.16	2.82	2.60	9.34	6.64	9.49	13.45	15.60	NORM	DRY	DRY	NORM	WET	2006
2007	0.68	0.93	3.85	1.22	0.00	1.24	0.23	14.09	12.29	6.29	4.94	3.17	NORM	NORM	DRY	DRY	DRY	2007
2008	0.70	1.74	9.59	5.46	3.64	1.24	1.09	32.95	37.30	31.43	16.46	9.39	WET	WET	WET	NORM	NORM	2008
2009	1.50	3.15	0.90	4.25	3.59	2.24	2.40	10.50	17.70	20.17	18.15	15.27	NORM	NORM	NORM	WET	WET	2009
2010	0.23	3.79	6.68	4.27	1.46	1.73	1.13	27.85	29.96	19.60	12.38	8.31	WET	WET	NORM	NORM	NORM	2010
2011	0.53	1.59	5.16	3.01	1.60	2.43	0.39	19.19	20.94	15.98	13.50	7.63	WET	NORM	NORM	NORM	NORM	2011
2012	0.04	0.81	1.78	1.56	1.32	0.36	0.00	7.00	9.05	8.86	5.28	2.04	DRY	DRY	DRY	DRY	DRY	2012
2013	0.65	1.92	3.14	1.09	1.39	3.31	2.03	13.91	11.47	9.49	13.80	14.10	NORM	NORM	DRY	NORM	WET	2013
2014	0.74	1.28	1.82	5.00	1.35	3.53	4.45	8.76	19.92	15.87	18.29	21.76	DRY	NORM	NORM	WET	WET	2014
2015	0.05	1.32	6.25	6.13	2.45	2.00	0.37	21.44	32.21	25.86	17.03	7.56	WET	WET	WET	NORM	NORM	2015
2016	1.14	1.89	1.17	0.73	3.37	3.03	1.65	8.43	6.42	12.74	16.56	14.38	DRY	DRY	NORM	NORM	WET	2016
2017	0.68	1.94	1.13	1.20	1.52	2.48	1.37	7.95	7.80	8.09	11.68	10.59	DRY	DRY	DRY	NORM	NORM	2017
2018	1.18	1.17	4.80	6.42	4.69	1.49	0.87	17.92	30.03	31.71	20.27	10.28	NORM	WET	WET	WET	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.35	0.90	1.10	March	0.90
April	0.82	1.97	2.39	April	1.97
May	2.37	3.46	4.13	May	3.46
June	1.67	3.04	3.71	June	3.04
July	1.73	2.71	3.27	July	2.71
August	1.29	2.09	2.53	August	2.09
Sept.	0.49	1.23	1.49	Sept.	1.23

NOTE:

Rapid City Regional AP NWS Station (SD6937) was used for Sep 1981;
 Apr, Jun 1984; May, Sep 1985.

Jun-MAM	9.10	15.22	18.27
Jul-JMA	10.57	18.01	21.78
Aug-JJM	10.90	17.67	21.36
Sep-AJJ	9.00	14.73	17.84
Oct-SAJ	5.78	10.58	12.80

Rainfall Data
Raymond 3 NE
Station #SD7007
Clark County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1938	0.45	2.81	2.70	3.40	3.74	1.27	3.24	14.17	18.41	20.72	14.69	16.00	NORM	NORM	NORM	NORM	WET	1938
1939	0.06	0.62	1.94	4.35	1.72	1.22	0.82	7.12	17.55	15.80	11.45	6.62	NORM	NORM	NORM	NORM	DRY	1939
1953	0.48	3.37	1.99	6.83	8.61	1.83	0.24	13.19	27.84	41.48	29.54	12.99	NORM	WET	WET	WET	NORM	1953
1958	0.67	1.19	2.85	2.60	4.98	1.22	0.34	11.60	14.69	22.99	16.22	8.44	NORM	NORM	NORM	NORM	NORM	1958
1965	0.90	3.21	5.73	3.64	1.21	0.82	4.06	24.51	25.59	16.64	8.52	15.03	WET	WET	NORM	DRY	NORM	1965
1971	0.00	1.54	2.53	4.09	0.95	4.22	1.18	10.67	18.87	13.56	18.65	12.93	NORM	NORM	NORM	NORM	NORM	1971
1977	3.12	2.01	1.94	5.89	1.93	3.29	3.60	12.96	23.56	19.51	19.62	19.31	NORM	WET	NORM	NORM	WET	1977
1979	1.76	2.83	1.20	3.48	4.79	3.68	0.03	11.02	15.67	22.53	24.10	12.24	NORM	NORM	NORM	WET	NORM	1979
1980	0.27	0.93	0.65	7.60	2.33	2.48	0.20	4.08	25.03	22.84	19.70	7.89	DRY	WET	NORM	NORM	NORM	1980
1981	1.21	0.72	0.85	2.43	2.31	1.88	0.40	5.20	9.71	12.64	12.69	7.27	DRY	DRY	NORM	NORM	NORM	1981
1982	1.60	1.07	3.65	1.88	3.19	2.19	2.19	14.69	14.01	16.98	14.83	14.14	NORM	NORM	NORM	NORM	NORM	1982
1983	1.68	0.19	1.73	4.42	2.56	3.85	2.41	7.25	16.91	18.25	21.09	17.49	NORM	NORM	NORM	WET	WET	1983
1984	1.30	1.85	1.90	10.03	1.84	2.13	0.53	10.70	35.74	27.48	20.10	7.69	NORM	WET	WET	NORM	NORM	1984
1985	1.81	1.35	2.54	1.94	4.32	5.49	2.96	12.13	12.25	19.38	27.05	24.18	NORM	NORM	NORM	WET	WET	1985
1986	0.55	6.17	2.12	3.98	2.77	3.59	3.46	19.25	22.35	18.39	20.29	20.33	WET	NORM	NORM	NORM	WET	1986
1987	2.73	0.35	1.77	1.76	3.56	4.20	0.98	8.74	9.17	15.97	21.48	14.90	NORM	DRY	NORM	WET	NORM	1987
1988	0.55	1.18	4.12	1.26	0.89	4.58	4.77	15.27	13.20	9.31	16.78	24.36	NORM	NORM	DRY	NORM	WET	1988
1989	1.38	2.25	1.58	1.89	1.23	3.65	1.77	10.62	11.08	9.05	15.30	13.84	NORM	NORM	DRY	NORM	NORM	1989
1990	1.75	1.74	2.02	5.80	2.01	0.98	0.65	11.29	23.18	19.65	12.76	5.92	NORM	WET	NORM	NORM	DRY	1990
1991	0.52	5.33	5.55	5.71	0.75	2.94	1.78	27.83	33.56	19.22	16.03	11.97	WET	WET	NORM	NORM	NORM	1991
1992	0.64	0.65	0.35	8.78	2.86	1.61	1.43	2.99	27.69	26.49	19.33	10.37	DRY	WET	WET	NORM	NORM	1992
1993	0.88	1.61	3.49	9.49	7.12	2.39	1.13	14.57	37.06	43.83	30.90	15.29	NORM	WET	WET	WET	NORM	1993
1994	0.30	2.12	2.18	3.92	5.35	2.62	1.61	11.08	18.24	26.07	22.48	15.42	NORM	NORM	WET	WET	NORM	1994
1995	3.18	3.11	3.75	3.26	6.71	1.89	0.73	20.65	20.39	30.40	22.35	12.68	WET	NORM	WET	WET	NORM	1995
1996	0.27	0.16	3.87	2.12	1.78	2.03	3.62	12.20	14.26	13.45	11.77	16.70	NORM	NORM	NORM	NORM	WET	1996
1997	0.52	1.59	0.87	2.59	9.32	0.84	3.17	6.31	11.10	34.01	23.75	20.51	DRY	NORM	WET	WET	WET	1997
1998	2.18	1.62	5.99	1.32	3.08	1.99	0.00	23.39	17.56	17.87	13.45	7.06	WET	NORM	NORM	NORM	NORM	1998
1999	0.51	2.09	3.19	5.55	1.78	3.68	3.17	14.26	25.12	19.63	20.15	18.65	NORM	WET	NORM	NORM	WET	1999
2000	0.37	2.01	3.44	2.57	4.38	1.93	0.68	14.71	16.60	21.72	17.12	10.28	NORM	NORM	NORM	NORM	NORM	2000
2001	0.23	4.73	2.27	3.66	1.30	0.68	3.02	16.50	20.25	13.49	8.30	11.72	WET	NORM	NORM	DRY	NORM	2001
2002	0.85	1.39	1.47	1.64	1.43	5.95	0.60	8.04	9.25	9.04	22.35	15.13	NORM	DRY	DRY	WET	NORM	2002
2003	0.36	1.54	3.36	3.57	2.58	3.35	1.28	13.52	18.97	18.24	18.78	13.12	NORM	NORM	NORM	NORM	NORM	2003
2004	1.96	1.69	5.79	3.06	2.97	1.70	5.27	22.71	22.45	20.82	14.10	22.18	WET	NORM	NORM	NORM	WET	2004
2005	0.21	0.76	2.4	5.95	2.36	2.77	2.8	8.93	23.41	21.38	18.98	16.30	NORM	WET	NORM	NORM	WET	2005
2006	1.33	3.77	1.64	0.93	0.26	3.69	3.47	13.79	9.84	4.28	12.52	18.05	NORM	DRY	DRY	NORM	WET	2006
2007	1.36	3.60	7.89	4.19	0.00	4.48	3.09	32.23	31.95	16.27	17.63	18.23	WET	WET	NORM	NORM	WET	2007
2008	0.66	1.62	1.54	2.92	3.74	1.03	5.61	8.52	13.46	18.60	13.49	22.63	NORM	NORM	NORM	NORM	WET	2008
2009	1.21	1.13	1.43	2.03	3.60	1.80	3.56	7.76	10.08	16.29	14.63	17.88	NORM	DRY	NORM	NORM	WET	2009
2010	1.66	2.35	2.96	5.28	5.98	1.76	6.19	15.24	24.11	31.46	22.52	28.07	NORM	WET	WET	WET	WET	2010
2011	0.62	2.14	4.32	2.65	3.23	1.26	0.74	17.86	18.73	19.31	12.89	7.97	WET	NORM	NORM	NORM	NORM	2011
2012	0.29	3.93	2.07	1.14	0.40	1.81	0.10	14.36	11.49	5.55	7.37	4.32	NORM	NORM	DRY	DRY	DRY	2012
2013	0.82	1.60	3.17	4.95	5.21	0.60	3.73	13.53	22.79	28.70	17.17	17.60	NORM	WET	WET	NORM	WET	2013
2014	0.45	0.67	2.99	5.43	0.68	2.92	0.41	10.76	22.94	15.89	15.55	7.75	NORM	WET	NORM	NORM	NORM	2014
2015	0.28	0.62	4.38	2.05	3.70	3.18	0.11	14.66	15.53	19.58	18.99	10.39	NORM	NORM	NORM	NORM	NORM	2015
2016	0.25	2.52	3.90	1.19	2.28	4.04	2.40	16.99	13.89	13.12	17.87	17.56	WET	NORM	NORM	NORM	WET	2016
2017	0.72	1.25	1.42	4.71	1.21	3.23	5.46	7.48	18.22	14.47	16.82	24.05	NORM	NORM	NORM	NORM	WET	2017
2018	1.48	1.23	1.26	2.36	3.30	1.86	2.50	7.72	10.83	15.88	14.54	14.52	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.66	1.19	1.47	March	1.19
April	0.98	1.83	2.24	April	1.83
May	1.50	2.70	3.29	May	2.70
June	2.23	3.77	4.58	June	3.77
July	1.49	2.90	3.55	July	2.90
August	1.74	2.59	3.09	August	2.59
Sept.	0.62	1.64	2.00	Sept.	1.64
Jun-MAM	7.12	12.95	15.82		
Jul-JMA	10.67	18.54	22.56		
Aug-JJM	10.43	18.94	23.10		
Sep-AJJ	10.43	17.34	20.95		
Oct-SAJ	6.83	13.00	15.73		

Note:
Clark NWS Station (SD1739) was used for Jul 1980 and Mar 2000.
Doland NWS Station (SD2371) was used for 2016-2018.

Rainfall Data
Redfield
Station #SD7052
Spink County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1939	0.02	0.88	2.03	7.20	2.57	0.81	0.98	7.87	26.54	24.14	14.77	7.13	NORM	WET	WET	NORM	NORM	1939
1947	0.33	3.19	0.91	4.16	1.22	0.81	1.86	9.44	17.49	12.89	9.03	8.42	NORM	NORM	NORM	DRY	NORM	1947
1948	0.49	1.20	0.81	5.39	1.82	1.29	0.99	5.32	18.99	17.05	12.90	7.37	DRY	NORM	NORM	NORM	NORM	1948
1952	0.50	0.22	0.36	5.45	1.09	1.39	0.08	2.02	17.29	14.53	11.80	4.11	DRY	NORM	NORM	NORM	DRY	1952
1953	0.78	3.96	1.96	5.97	6.60	2.43	0.28	14.58	25.79	33.70	26.46	12.30	NORM	WET	WET	WET	NORM	1953
1957	0.29	2.46	4.76	4.26	2.82	2.73	1.28	19.49	24.76	21.74	18.09	12.12	WET	WET	NORM	NORM	NORM	1957
1964	1.03	3.62	2.40	1.72	2.67	2.14	0.61	15.47	13.58	13.85	13.48	8.78	NORM	NORM	NORM	NORM	NORM	1964
1965	1.09	2.76	4.63	4.33	0.68	1.12	3.59	20.50	25.01	15.33	9.05	13.69	WET	WET	NORM	DRY	NORM	1965
1970	1.66	5.58	3.09	3.66	2.35	0.25	0.85	22.09	22.74	17.46	9.11	5.40	WET	WET	NORM	DRY	DRY	1970
1971	0.76	0.08	2.13	1.45	4.55	0.42	3.70	7.31	8.69	18.68	11.81	16.49	DRY	DRY	NORM	NORM	NORM	1971
1978	0.54	2.08	6.04	3.79	1.85	2.27	0.64	22.82	25.53	19.17	14.30	8.31	WET	WET	NORM	NORM	NORM	1978
1979	2.31	2.57	1.67	2.57	3.92	3.47	0.00	12.46	13.62	18.57	20.82	10.86	NORM	NORM	NORM	WET	NORM	1979
1980	1.25	1.25	1.85	4.74	3.20	3.88	0.50	9.30	19.17	20.93	22.78	12.46	NORM	NORM	NORM	WET	NORM	1980
1981	1.04	1.04	1.12	2.63	1.19	2.16	0.71	6.48	11.17	9.95	11.49	7.64	DRY	NORM	DRY	NORM	NORM	1981
1982	1.28	0.48	4.54	1.72	3.44	1.40	2.30	15.86	14.72	18.30	12.80	13.14	NORM	NORM	NORM	NORM	NORM	1982
1983	2.27	0.73	2.06	4.95	2.83	3.63	2.59	9.91	19.70	20.45	21.50	17.86	NORM	NORM	NORM	WET	WET	1983
1984	1.30	2.38	2.33	6.00	2.65	4.71	0.82	13.05	25.04	22.28	25.43	14.53	NORM	WET	NORM	WET	NORM	1984
1985	1.53	0.74	2.47	2.20	5.20	4.03	4.83	10.42	12.28	22.47	24.69	27.75	NORM	NORM	WET	WET	WET	1985
1986	0.62	6.25	3.92	3.06	2.19	4.09	4.70	24.88	23.27	16.61	19.71	24.47	WET	WET	NORM	NORM	WET	1986
1987	2.05	0.44	1.13	1.15	2.47	0.74	1.44	6.32	6.15	10.84	8.31	8.27	DRY	DRY	NORM	DRY	NORM	1987
1988	0.15	1.06	3.67	1.12	1.25	3.67	3.99	13.28	11.76	9.66	14.63	20.56	NORM	NORM	DRY	NORM	WET	1988
1989	1.61	2.03	1.13	2.04	1.44	1.35	2.87	9.06	10.41	9.53	8.97	12.75	NORM	DRY	DRY	DRY	NORM	1989
1990	0.90	1.60	1.73	4.38	8.00	2.99	0.61	9.29	18.20	34.49	29.35	15.81	NORM	NORM	WET	WET	NORM	1990
1991	0.64	4.55	9.41	3.94	1.00	3.50	1.70	37.97	35.19	20.29	16.44	13.10	WET	WET	NORM	NORM	NORM	1991
1992	0.52	0.59	0.93	7.28	2.93	3.30	1.18	4.49	24.29	24.28	23.04	13.07	DRY	WET	WET	WET	NORM	1992
1993	0.94	2.95	2.26	5.81	9.20	1.91	1.23	13.62	24.90	41.48	29.94	16.71	NORM	WET	WET	WET	WET	1993
1994	0.11	2.37	1.00	1.45	7.33	1.57	1.28	7.85	8.72	25.89	20.82	14.31	NORM	DRY	WET	WET	NORM	1994
1995	1.81	2.98	4.15	3.94	3.51	1.96	0.99	20.22	23.10	22.56	16.84	10.40	WET	WET	WET	NORM	NORM	1995
1996	0.27	0.09	6.04	1.12	1.56	0.61	4.86	18.57	15.53	12.96	6.07	17.36	WET	NORM	NORM	DRY	WET	1996
1997	0.46	2.00	2.09	3.71	4.89	2.12	2.24	10.73	17.31	24.18	19.85	15.85	NORM	NORM	WET	NORM	NORM	1997
1998	1.02	2.09	4.19	1.94	2.72	3.83	0.00	17.77	16.29	16.23	18.87	10.38	WET	NORM	NORM	NORM	NORM	1998
1999	0.55	2.57	2.48	4.01	2.75	2.22	3.47	13.13	19.56	18.75	16.17	17.60	NORM	NORM	NORM	NORM	WET	1999
2000	1.10	2.17	3.38	4.15	3.33	3.46	0.37	15.58	21.38	21.67	21.19	11.36	NORM	WET	NORM	WET	NORM	2000
2001	0.23	3.26	2.36	4.21	2.68	0.25	1.94	13.83	20.61	18.82	10.32	9.00	NORM	NORM	NORM	NORM	NORM	2001
2002	0.65	1.63	1.58	1.74	3.03	4.95	1.04	8.65	10.01	14.15	22.65	16.05	NORM	DRY	NORM	WET	NORM	2002
2003	0.47	2.26	2.63	4.61	1.93	1.99	0.64	12.88	21.35	17.64	14.44	7.83	NORM	WET	NORM	NORM	NORM	2003
2004	1.89	1.19	3.99	2.80	4.46	1.87	3.31	16.24	17.57	22.97	17.33	18.13	NORM	NORM	WET	NORM	WET	2004
2005	0.36	0.50	2.02	8.48	1.41	2.46	5.44	7.42	29.98	23.21	18.68	22.65	DRY	WET	WET	NORM	WET	2005
2006	0.81	1.91	2.00	0.85	1.00	2.72	3.04	10.63	8.46	6.70	11.01	15.56	NORM	DRY	DRY	NORM	NORM	2006
2007	1.73	3.43	12.98	2.73	0.39	3.67	2.05	47.53	37.58	19.61	14.52	13.88	WET	WET	NORM	NORM	NORM	2007
2008	1.04	1.50	1.46	7.55	5.66	0.76	3.14	8.42	27.07	33.54	21.15	16.60	NORM	WET	WET	WET	WET	2008
2009	1.64	0.85	0.79	4.17	4.30	1.62	3.02	5.71	14.94	22.03	17.63	16.60	DRY	NORM	NORM	NORM	WET	2009
2010	2.14	2.40	4.58	3.72	5.68	0.86	5.22	20.68	22.72	29.06	17.66	23.06	WET	WET	WET	NORM	WET	2010
2011	1.37	1.95	3.31	3.50	2.47	1.16	0.98	15.20	19.07	17.72	11.92	7.73	NORM	NORM	NORM	NORM	NORM	2011
2012	0.72	1.85	1.19	0.63	1.24	0.98	0.00	7.99	6.12	6.17	6.05	3.20	NORM	DRY	DRY	DRY	DRY	2012
2013	0.25	2.17	4.01	3.90	2.11	0.52	1.91	16.62	21.89	18.14	9.68	8.88	NORM	WET	NORM	NORM	NORM	2013
2014	0.59	1.75	2.42	5.50	0.36	2.90	0.90	11.35	23.09	14.50	14.92	8.86	NORM	WET	NORM	NORM	NORM	2014
2015	0.25	0.11	7.66	2.29	5.78	3.01	0.47	23.45	22.30	29.58	22.88	13.21	WET	WET	WET	WET	NORM	2015
2016	0.39	3.20	2.78	1.63	2.56	3.14	1.52	15.13	13.65	13.72	16.17	13.40	NORM	NORM	NORM	NORM	NORM	2016
2017	0.72	1.25	1.42	4.71	1.21	3.23	5.46	7.48	18.22	14.47	16.82	24.05	DRY	NORM	NORM	NORM	WET	2017
2018	1.48	1.23	1.26	2.36	3.30	1.86	2.50	7.72	10.83	15.88	14.54	14.52	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.53	1.19	1.45	March	1.19
April	1.01	1.92	2.35	April	1.92
May	1.68	2.97	3.62	May	2.97
June	2.08	3.17	3.81	June	3.17
July	1.60	3.00	3.70	July	3.00
August	1.35	2.41	2.93	August	2.41
Sept.	0.79	1.85	2.34	Sept.	1.85
Jun-MAM	7.59	13.94	17.01		
Jul-JMA	10.61	17.37	21.02		
Aug-JJM	10.64	18.31	22.34		
Sep-AJJ	9.33	16.40	20.00		
Oct-SAJ	6.67	13.37	16.58		

NOTE:

Redfield NWS Station (SD7052) has not collected data as of May 2011.
Mellette 4 W NWS Station (SD5456) was used for 1939; 1947; 1948; May, Jun 1978; Jul 1996; 2000-2002; May-Sep 2011; Mar 2012; 2013-2016.

Redfield NWS Station (SD9704) was used for April-Sept 2012.
Doland NWS Station (SD2371) was used for 2017-2018.

Rainfall Data
 Redig 11 NE
 Station #SD7062
 Harding County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1957	0.28	0.59	1.82	3.86	1.70	5.57	1.04	6.92	15.81	14.64	23.97	15.96	NORM	NORM	NORM	WET	WET	1957
1978	0.19	2.02	4.47	2.14	3.75	3.85	0.94	17.64	17.38	20.00	21.19	14.27	WET	NORM	WET	WET	WET	1978
1980	0.30	0.39	0.36	2.36	0.63	3.78	0.29	2.16	8.19	6.97	14.96	9.06	DRY	DRY	DRY	WET	NORM	1980
1981	0.02	0.30	2.29	2.17	2.33	1.66	1.39	7.49	11.39	13.62	11.81	9.82	NORM	NORM	NORM	NORM	WET	1981
1982	2.22	1.05	6.62	2.27	2.92	0.93	1.53	24.18	21.10	19.92	10.90	9.37	WET	WET	WET	NORM	NORM	1982
1983	0.82	0.46	1.17	0.91	1.88	2.10	0.36	5.25	5.53	8.63	10.97	7.16	DRY	DRY	DRY	NORM	NORM	1983
1984	0.53	4.12	1.33	4.64	0.83	2.47	1.52	12.76	20.70	13.10	13.71	10.33	NORM	WET	NORM	NORM	WET	1984
1985	1.23	0.10	4.01	2.67	0.90	1.01	0.71	13.46	16.13	12.05	7.50	5.05	NORM	NORM	NORM	NORM	NORM	1985
1986	0.58	3.63	3.13	1.60	2.18	0.44	4.10	17.23	14.69	12.87	7.28	15.36	WET	NORM	NORM	NORM	WET	1986
1987	2.38	0.45	5.43	1.03	2.96	2.05	1.63	19.57	14.40	16.37	13.10	11.95	WET	NORM	NORM	NORM	WET	1987
1988	0.24	0.73	2.70	3.44	0.42	0.27	0.68	9.80	16.45	10.84	5.09	3.00	NORM	NORM	NORM	DRY	DRY	1988
1989	1.96	2.77	0.82	1.78	4.06	1.64	0.76	9.96	9.75	16.56	14.82	9.62	NORM	DRY	NORM	WET	NORM	1989
1990	0.27	1.21	1.18	1.67	0.94	0.52	0.14	6.23	8.58	7.34	5.11	2.40	DRY	DRY	DRY	DRY	DRY	1990
1991	0.43	2.30	2.98	1.63	1.80	0.28	0.59	13.97	13.15	11.64	6.07	4.13	NORM	NORM	NORM	DRY	NORM	1991
1992	0.34	1.15	1.11	4.51	2.23	1.03	0.52	5.97	16.90	16.82	12.06	5.85	DRY	NORM	NORM	NORM	NORM	1992
1993	0.88	0.83	2.48	5.95	6.38	1.52	0.18	9.98	23.64	33.52	23.27	9.96	NORM	WET	WET	WET	WET	1993
1994	0.17	1.23	0.74	1.43	2.74	0.23	0.75	4.85	7.00	11.82	7.60	5.45	DRY	DRY	NORM	NORM	NORM	1994
1995	1.02	1.33	6.32	2.61	2.12	1.15	0.10	22.64	21.80	17.90	10.30	4.72	WET	WET	NORM	NORM	NORM	1995
1996	1.21	0.68	7.65	1.93	0.51	2.07	2.08	25.52	21.77	13.04	9.16	10.89	WET	WET	NORM	NORM	WET	1996
1997	0.02	2.88	2.30	2.84	1.52	1.79	0.73	12.68	16.00	12.54	11.25	7.29	NORM	NORM	NORM	NORM	NORM	1997
1998	0.47	0.24	2.05	8.35	0.67	4.65	0.76	7.10	29.39	20.76	23.64	12.25	NORM	WET	WET	WET	WET	1998
1999	0.33	1.81	2.67	4.64	1.64	1.40	0.67	11.96	21.07	16.87	12.12	6.45	NORM	WET	NORM	NORM	NORM	1999
2000	0.59	0.76	2.29	1.50	1.70	0.64	0.37	8.98	9.84	10.39	6.82	4.09	NORM	DRY	NORM	NORM	NORM	2000
2001	0.74	2.06	1.92	6.23	5.73	2.10	0.64	10.62	24.59	31.57	23.99	11.85	NORM	WET	WET	WET	WET	2001
2002	0.19	0.69	0.79	1.40	2.05	2.56	0.88	3.94	6.47	9.74	13.18	9.81	DRY	DRY	NORM	NORM	WET	2002
2003	2.34	0.74	1.05	2.53	1.31	0.58	3.53	6.97	10.43	10.04	6.89	13.06	NORM	NORM	NORM	NORM	WET	2003
2004	1.02	0.23	2.16	0.55	4.64	3.05	1.13	7.96	6.20	17.18	18.98	14.13	NORM	DRY	NORM	WET	WET	2004
2005	0.2	0.69	3.57	2.26	1.02	1.76	0.95	12.29	14.61	11.15	9.58	7.39	NORM	NORM	NORM	NORM	NORM	2005
2006	0.70	3.81	0.91	1.30	0.07	2.30	1.33	11.05	9.53	3.72	8.34	8.66	NORM	DRY	DRY	NORM	NORM	2006
2007	1.37	1.03	3.00	1.66	1.51	5.15	0.21	12.43	12.01	10.85	20.13	12.44	NORM	NORM	NORM	WET	WET	2007
2008	0.24	0.97	5.08	7.00	2.32	2.67	0.87	17.42	32.13	26.04	19.65	10.27	WET	WET	WET	WET	WET	2008
2009	1.50	1.04	1.10	1.82	2.28	1.75	0.76	6.88	8.70	11.58	11.63	8.06	NORM	DRY	NORM	NORM	NORM	2009
2010	0.83	1.07	2.82	2.78	2.91	3.40	3.85	11.43	15.05	17.11	18.80	21.26	NORM	NORM	NORM	WET	WET	2010
2011	1.02	1.82	4.96	2.35	2.62	2.25	0.00	19.54	18.79	17.52	14.34	7.12	WET	NORM	NORM	WET	NORM	2011
2012	0.20	1.88	1.74	0.72	5.27	1.11	0.07	9.18	7.52	18.99	14.59	7.70	NORM	DRY	WET	WET	NORM	2012
2013	0.27	1.64	5.08	2.49	0.84	2.25	2.17	18.79	19.27	12.58	10.92	11.85	WET	NORM	NORM	NORM	WET	2013
2014	1.71	1.96	2.34	8.87	1.53	3.53	1.93	12.65	33.25	24.67	22.52	14.38	NORM	WET	WET	WET	WET	2014
2015	0.52	0.90	3.23	3.39	1.11	3.57	1.04	12.01	17.53	13.34	16.32	11.37	NORM	NORM	NORM	WET	WET	2015
2016	0.41	3.29	1.07	1.62	1.72	1.13	0.74	10.20	10.29	9.47	8.45	6.20	NORM	NORM	NORM	NORM	NORM	2016
2017	1.09	2.58	1.42	2.24	1.33	1.09	3.40	10.51	12.14	9.89	8.17	13.71	NORM	NORM	NORM	NORM	WET	2017
2018	1.06	2.23	2.17	2.70	1.14	1.70	1.60	12.03	14.67	10.99	10.08	9.34	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data	
	Bound	N	Bound	N		
March	0.27	0.77	0.92		March	0.77
April	0.72	1.54	1.89		April	1.54
May	1.69	2.93	3.56		May	2.93
June	1.96	3.04	3.66		June	3.04
July	1.14	2.10	2.56		July	2.10
August	0.75	1.44	1.76		August	1.44
Sept.	0.38	0.99	1.22		Sept.	0.99
Jun-MAM	6.78	12.64	15.38			
Jul-JMA	9.98	16.52	19.99			
Aug-JJM	9.03	15.31	18.56			
Sep-AJJ	6.49	11.56	14.06			
Oct-SAJ	3.78	7.95	9.74			

Note:
 Redig 11 NE NWS Station (SD7062) has not collected data as of 2012.
 Harding 3 SE NWS Station (SD3560) was used for Mar-Apr 2002.
 Buffalo 13 ESE NWS Station (SD081) was used for Jul 2011; 2012-2018.

Rainfall Data
Red Owl
Station #SD7073
Meade County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.43	0.79	0.72	3.02	1.07	1.66	1.10	4.17	11.29	9.97	10.14	7.69	DRY	NORM	NORM	NORM	NORM	1980
1981	0.02	0.06	3.46	4.38	2.83	0.82	0.51	10.52	20.12	20.71	12.50	6.00	NORM	NORM	WET	NORM	NORM	1981
1982	2.21	1.02	7.56	1.55	2.93	3.15	2.08	26.93	20.79	19.45	16.86	15.47	WET	NORM	WET	WET	WET	1982
1983	1.23	0.84	2.41	1.97	1.15	3.71	1.31	10.14	11.57	9.80	15.40	12.50	NORM	NORM	NORM	WET	WET	1983
1984	0.59	3.49	1.47	5.28	1.41	1.19	1.07	11.98	22.27	16.26	11.67	7.00	NORM	WET	NORM	NORM	NORM	1984
1985	1.88	0.49	2.08	2.32	2.04	0.48	0.66	9.10	11.61	12.84	7.84	4.98	NORM	NORM	NORM	NORM	NORM	1985
1986	0.81	3.97	2.86	3.05	1.84	1.22	4.25	17.33	18.84	14.48	10.39	17.03	NORM	NORM	NORM	NORM	WET	1986
1987	2.08	0.03	6.53	0.87	1.87	4.28	0.36	21.73	15.70	13.88	17.45	11.51	WET	NORM	NORM	WET	WET	1987
1988	0.98	0.64	2.81	6.07	0.10	0.98	1.02	10.69	24.47	15.25	9.21	5.12	NORM	WET	NORM	NORM	NORM	1988
1989	1.15	1.53	0.94	1.64	1.31	0.97	1.30	7.03	8.33	8.15	7.17	7.15	DRY	DRY	DRY	NORM	NORM	1989
1990	0.59	0.92	2.03	2.17	1.16	1.07	1.37	8.52	11.49	9.85	7.70	7.41	NORM	NORM	NORM	NORM	NORM	1990
1991	0.96	2.98	3.09	2.26	0.90	1.39	0.44	16.19	15.94	10.31	8.23	5.00	NORM	NORM	NORM	NORM	NORM	1991
1992	0.64	0.83	1.55	2.84	3.77	1.12	0.80	6.95	12.45	18.54	13.74	8.41	DRY	NORM	NORM	NORM	NORM	1992
1993	1.52	1.83	5.64	5.95	6.39	0.82	1.10	22.10	30.96	36.71	21.19	11.33	WET	WET	WET	WET	WET	1993
1994	0.13	1.16	1.66	2.98	3.80	0.39	0.13	7.43	13.42	19.02	11.75	4.97	DRY	NORM	NORM	NORM	NORM	1994
1995	1.48	1.50	7.81	4.04	1.31	0.65	0.80	27.91	29.24	19.82	8.61	5.01	WET	WET	WET	NORM	NORM	1995
1996	1.21	1.34	8.21	0.84	0.71	1.38	2.08	28.52	20.28	12.02	6.40	9.71	WET	NORM	NORM	NORM	NORM	1996
1997	0.36	4.44	3.47	1.22	4.61	1.38	0.50	19.65	15.04	19.74	14.58	8.87	WET	NORM	WET	WET	NORM	1997
1998	2.00	0.45	2.17	6.40	2.60	2.47	0.03	9.41	23.99	22.77	19.01	7.63	NORM	WET	WET	WET	NORM	1998
1999	0.80	2.86	2.67	5.35	2.39	1.77	1.48	14.53	24.25	20.54	15.44	10.37	NORM	WET	WET	WET	WET	1999
2000	1.51	4.30	5.51	3.02	3.54	0.16	0.37	26.64	24.38	22.17	10.58	4.97	WET	WET	WET	NORM	NORM	2000
2001	0.39	1.95	2.26	1.67	4.61	1.87	0.89	11.07	11.48	19.43	16.50	11.02	NORM	NORM	WET	WET	WET	2001
2002	0.83	0.68	1.83	1.02	0.70	2.23	1.78	7.68	7.40	5.97	9.11	10.50	DRY	DRY	DRY	NORM	WET	2002
2003	1.53	2.00	2.34	2.50	1.09	0.37	2.51	12.55	14.18	10.61	5.79	9.36	NORM	NORM	NORM	DRY	NORM	2003
2004	1.15	0.59	3.33	1.61	3.48	2.65	3.48	12.32	12.08	16.99	16.52	19.22	NORM	NORM	NORM	WET	WET	2004
2005	0.83	1.28	4.22	3.73	1.09	1.68	0.95	16.05	20.91	14.95	10.95	7.30	NORM	WET	NORM	NORM	NORM	2005
2006	1.82	2.78	1.06	1.32	0.15	0.78	3.25	10.56	8.86	4.15	3.96	11.46	NORM	DRY	DRY	DRY	WET	2006
2007	1.31	1.38	4.55	3.16	1.45	4.35	0.42	17.72	19.96	15.22	19.11	11.41	WET	NORM	NORM	WET	WET	2007
2008	0.52	1.53	8.66	5.73	3.34	2.64	1.07	29.56	36.04	30.14	20.33	11.83	WET	WET	WET	WET	WET	2008
2009	3.18	1.81	1.13	2.22	3.33	4.26	0.85	10.19	10.73	15.56	21.66	14.40	NORM	NORM	NORM	WET	WET	2009
2010	0.73	2.48	5.34	3.42	2.43	0.61	2.78	21.71	23.42	19.47	10.11	11.99	WET	WET	WET	NORM	WET	2010
2011	0.83	1.87	7.39	3.89	1.20	2.50	0.29	26.74	28.32	18.77	13.79	7.07	WET	WET	NORM	NORM	NORM	2011
2012	0.23	2.59	1.99	1.83	2.47	0.25	0.00	11.38	12.06	13.06	7.52	2.97	NORM	NORM	NORM	NORM	DRY	2012
2013	0.28	1.58	3.18	2.21	2.64	2.85	2.03	12.98	14.57	15.52	16.04	14.43	NORM	NORM	NORM	WET	WET	2013
2014	1.05	3.12	1.45	6.75	0.00	2.44	1.44	11.64	26.27	14.95	14.07	9.20	NORM	WET	NORM	WET	NORM	2014
2015	0.17	0.66	6.51	3.54	2.15	2.89	0.61	21.02	24.30	20.04	16.51	9.76	WET	WET	WET	WET	NORM	2015
2016	0.85	4.26	1.08	3.34	2.01	2.27	1.91	12.61	16.44	13.79	14.17	12.28	NORM	NORM	NORM	WET	WET	2016
2017	0.42	1.83	0.95	2.06	1.25	1.05	1.13	6.93	9.91	8.82	7.71	6.74	DRY	DRY	DRY	NORM	NORM	2017
2018	1.49	1.87	2.92	5.27	1.51	1.00	2.34	13.99	23.52	17.99	11.29	10.53	NORM	WET	NORM	NORM	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.51	1.02	1.25	March	1.02
April	0.75	1.77	2.15	April	1.77
May	1.94	3.25	3.94	May	3.25
June	1.88	2.99	3.61	June	2.99
July	1.14	2.21	2.70	July	2.21
August	0.71	1.34	1.64	August	1.34
Sept.	0.39	1.13	1.35	Sept.	1.13

NOTE:

Maurine NWS Station (SD5325) was used for Jun 2006.

Union Center NWS Station (SD9820) was used for May 2012.

Jun-MAM	7.83	14.31	17.37
Jul-JMA	10.27	17.24	20.86
Aug-JJM	9.12	15.86	19.26
Sep-AJJ	6.29	11.43	13.93
Oct-SAJ	3.73	8.28	10.03

Rainfall Data
Roscoe
Station #SD7277
Edmunds County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1957	0.13	3.33	5.33	3.29	2.39	4.19	2.16	22.78	23.86	19.08	20.64	17.25	WET	WET	NORM	WET	WET	1957
1970	0.34	3.31	2.90	2.57	2.84	0.59	2.44	15.66	16.82	16.56	10.02	11.34	NORM	NORM	NORM	DRY	NORM	1970
1974	0.43	3.21	5.80	0.51	2.86	0.93	0.26	24.25	16.34	15.40	9.02	5.50	WET	NORM	NORM	DRY	DRY	1974
1978	0.45	2.53	3.20	6.73	1.99	2.65	0.59	15.11	29.12	22.63	18.66	9.06	NORM	WET	WET	NORM	NORM	1978
1980	0.92	1.37	1.45	1.99	1.24	6.04	0.93	8.01	10.24	9.15	22.59	16.11	DRY	DRY	DRY	WET	WET	1980
1981	2.46	0.24	2.28	3.18	3.92	1.59	1.40	9.78	14.34	20.40	15.79	11.30	NORM	NORM	NORM	NORM	NORM	1981
1982	1.49	1.12	3.37	3.32	2.88	1.40	0.88	13.84	17.82	18.65	13.28	8.32	NORM	NORM	NORM	NORM	NORM	1982
1983	1.86	1.24	1.48	3.64	4.63	3.03	1.44	8.78	15.12	22.65	21.99	15.01	DRY	NORM	WET	WET	WET	1983
1984	1.94	2.94	1.78	7.05	1.81	2.34	0.96	13.16	27.65	21.31	17.69	9.37	NORM	WET	NORM	NORM	NORM	1984
1985	1.36	1.14	3.71	2.07	1.47	3.57	3.14	14.77	14.77	12.26	15.72	18.03	NORM	NORM	NORM	NORM	WET	1985
1986	0.39	6.10	3.10	3.85	3.14	2.53	2.06	21.89	23.85	20.22	17.72	14.38	WET	WET	NORM	NORM	NORM	1986
1987	1.61	0.00	1.41	0.96	3.70	1.85	0.49	5.84	5.70	14.43	13.91	8.87	DRY	DRY	NORM	NORM	NORM	1987
1988	0.07	0.19	1.67	1.19	1.63	1.68	2.50	5.46	7.10	8.94	9.49	12.49	DRY	DRY	DRY	DRY	NORM	1988
1989	1.79	2.60	0.57	5.91	1.88	3.96	2.53	8.70	21.47	18.03	21.55	17.39	DRY	NORM	NORM	WET	WET	1989
1990	1.00	1.91	1.51	6.58	1.25	3.09	3.30	9.35	24.67	18.42	18.35	17.33	NORM	WET	NORM	NORM	WET	1990
1991	0.42	3.16	6.12	5.34	0.82	1.20	0.31	25.10	31.42	19.26	10.58	4.15	WET	WET	NORM	NORM	DRY	1991
1992	0.52	0.13	2.20	4.63	5.44	3.01	0.82	7.38	18.42	27.78	24.54	13.92	DRY	NORM	WET	WET	NORM	1992
1993	0.26	0.95	2.95	4.83	9.55	3.13	1.32	11.01	21.34	41.26	33.32	19.77	NORM	NORM	WET	WET	WET	1993
1994	0.34	1.97	0.43	1.55	6.17	2.82	1.06	5.57	7.48	22.04	22.35	14.99	DRY	DRY	WET	WET	NORM	1994
1995	2.25	3.68	5.59	4.44	3.34	1.84	0.70	26.38	28.18	24.49	16.64	9.12	WET	WET	WET	NORM	NORM	1995
1996	1.08	0.28	3.77	3.65	1.02	0.29	5.65	12.95	18.77	14.13	6.56	18.55	NORM	NORM	NORM	DRY	WET	1996
1997	0.51	2.70	2.05	3.07	4.13	1.00	0.64	12.06	16.01	20.58	14.33	8.05	NORM	NORM	NORM	NORM	NORM	1997
1998	1.23	1.78	2.29	3.38	3.82	3.28	0.07	11.66	16.50	20.51	20.86	10.59	NORM	NORM	NORM	WET	NORM	1998
1999	0.86	3.10	4.79	3.42	3.80	3.47	4.75	21.43	22.94	23.03	21.43	24.99	WET	WET	WET	WET	WET	1999
2000	2.28	2.19	2.79	5.16	3.07	5.51	0.59	15.03	23.25	22.32	27.83	15.86	NORM	WET	WET	WET	WET	2000
2001	0.12	3.34	1.79	2.89	4.47	0.56	1.73	12.17	15.59	20.98	13.51	10.78	NORM	NORM	NORM	NORM	NORM	2001
2002	0.56	0.93	0.98	0.99	3.09	3.37	1.86	5.36	5.86	12.23	17.28	15.41	DRY	DRY	NORM	NORM	WET	2002
2003	0.83	1.36	6.52	3.42	1.66	0.55	1.07	23.11	24.66	18.34	8.39	5.97	WET	WET	NORM	DRY	DRY	2003
2004	2.59	0.59	4.58	3.37	2.78	2.09	4.16	17.51	19.86	19.66	15.20	19.44	WET	NORM	NORM	NORM	WET	2004
2005	0.17	0.84	2.32	8.06	1.11	2.48	1.31	8.81	29.66	21.77	17.72	10.00	DRY	WET	NORM	NORM	NORM	2005
2006	0.41	0.84	1.76	1.35	2.06	2.53	3.24	7.37	8.41	10.64	13.06	16.84	DRY	DRY	DRY	NORM	WET	2006
2007	1.68	2.55	4.92	5.03	0.94	2.34	0.93	21.54	27.48	17.80	13.93	8.41	WET	WET	NORM	NORM	NORM	2007
2008	1.46	2.19	1.89	4.97	5.98	1.90	3.37	11.51	20.88	29.77	22.63	19.89	NORM	NORM	WET	WET	WET	2008
2009	1.53	1.84	1.57	4.73	5.26	3.77	1.59	9.92	19.17	26.81	26.56	17.57	NORM	NORM	WET	WET	WET	2009
2010	1.34	1.40	5.66	2.96	1.20	0.79	5.05	21.12	21.60	15.18	7.73	17.93	WET	NORM	NORM	DRY	WET	2010
2011	1.75	2.47	2.56	5.91	4.71	2.28	1.29	14.37	25.32	28.51	22.17	13.14	NORM	WET	WET	WET	NORM	2011
2012	0.07	3.63	2.19	1.58	1.55	1.68	0.00	13.90	12.75	10.00	9.72	4.91	NORM	NORM	DRY	DRY	DRY	2012
2013	0.37	2.05	5.42	1.97	3.18	0.51	2.17	20.73	18.80	18.90	9.86	10.71	WET	NORM	NORM	DRY	NORM	2013
2014	0.41	1.70	1.28	5.46	0.40	4.49	0.59	7.65	20.64	13.40	19.73	11.15	DRY	NORM	NORM	WET	NORM	2014
2015	0.24	0.14	7.81	2.92	1.86	3.59	0.51	23.95	24.52	19.23	17.41	10.57	WET	WET	NORM	NORM	NORM	2015
2016	0.25	3.19	4.22	3.22	2.31	2.39	1.17	19.29	21.29	17.59	15.01	10.60	WET	NORM	NORM	NORM	NORM	2016
2017	0.64	1.18	1.28	2.18	4.05	3.18	2.77	6.84	10.28	17.79	19.82	18.72	DRY	DRY	NORM	WET	WET	2017
2018	1.76	1.25	0.77	5.11	2.65	0.57	3.18	6.57	18.12	18.94	12.12	13.33	DRY	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.6	1.04	1.26	March	1.04
April	1.12	2.06	2.51	April	2.06
May	2.09	3.06	3.65	May	3.06
June	2.25	3.38	4.04	June	3.38
July	1.71	2.80	3.39	July	2.80
August	1.57	2.42	2.91	August	2.42
Sept.	0.67	1.59	1.93	Sept.	1.59

NOTE:

Ipswich NWS Station (SD4206) was used for 1974; 1978; 1980-1988; and Mar-Jul 1989.

Jun-MAM	9.11	14.34	17.23
Jul-JMA	12.05	18.32	21.93
Aug-JJM	11.72	18.22	21.90
Sep-AJJ	10.38	16.24	19.55
Oct-SAJ	6.86	12.41	15.00

Rainfall Data
Selby
Station #SD7545
Walworth County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1950	1.37	0.59	4.27	1.43	1.78	3.02	1.24	15.36	13.42	12.47	14.05	11.54	WET	NORM	NORM	NORM	NORM	1950
1952	0.32	0.02	1.68	2.57	1.31	2.09	0.28	5.40	11.09	10.75	11.46	6.33	DRY	NORM	NORM	NORM	NORM	1952
1957	0.19	3.25	5.69	4.67	3.62	2.24	2.68	23.76	28.64	25.89	18.63	16.14	WET	WET	WET	WET	WET	1957
1962	0.43	0.54	4.95	4.63	3.68	2.00	1.58	16.36	24.33	25.25	17.99	12.42	WET	WET	WET	WET	NORM	1962
1964	0.38	4.48	2.88	5.88	1.07	1.07	0.62	17.98	27.88	17.85	11.23	5.07	WET	WET	NORM	NORM	DRY	1964
1968	1.50	5.85	3.05	7.67	1.30	1.50	0.91	22.35	34.96	22.29	14.77	7.03	WET	WET	WET	NORM	NORM	1968
1970	0.41	3.52	2.81	3.70	1.81	0.94	2.35	15.88	20.24	15.64	10.14	10.74	WET	WET	NORM	NORM	NORM	1970
1973	2.06	1.19	2.01	1.22	0.20	1.59	1.55	10.47	8.87	5.05	6.39	8.03	NORM	DRY	DRY	DRY	NORM	1973
1974	0.51	2.63	4.05	0.44	1.64	2.74	0.11	17.92	12.05	9.85	11.94	7.45	WET	NORM	NORM	NORM	NORM	1974
1977	3.56	1.11	2.54	2.74	2.18	2.46	2.52	13.40	14.41	14.56	14.48	14.66	NORM	NORM	NORM	NORM	WET	1977
1978	0.45	2.24	4.13	4.20	2.13	3.35	0.37	17.32	23.10	18.92	18.51	9.94	WET	WET	NORM	WET	NORM	1978
1980	0.32	0.90	0.54	2.39	1.67	2.16	1.32	3.74	9.15	10.33	12.21	9.95	DRY	DRY	NORM	NORM	NORM	1980
1981	0.64	0.56	1.58	4.62	4.97	2.65	1.26	6.50	17.58	25.73	22.51	14.05	DRY	NORM	WET	WET	WET	1981
1982	2.24	1.88	3.08	1.53	1.55	0.48	0.93	15.24	12.63	10.79	6.07	5.30	WET	NORM	NORM	DRY	DRY	1982
1983	1.72	1.44	1.51	3.14	4.94	2.59	2.23	9.13	13.88	22.61	20.79	16.81	NORM	NORM	WET	WET	WET	1983
1984	1.31	3.00	1.49	5.47	1.19	0.68	1.23	11.78	22.39	16.00	9.89	6.24	NORM	WET	NORM	NORM	NORM	1984
1985	2.19	0.70	1.05	1.84	1.04	3.39	2.86	6.74	8.32	7.85	14.09	16.40	DRY	DRY	DRY	NORM	WET	1985
1986	0.48	4.23	5.62	1.21	5.88	3.05	2.65	25.80	19.10	25.68	22.12	19.93	WET	NORM	WET	WET	WET	1986
1987	1.46	0.05	3.52	1.98	2.19	2.86	0.64	12.12	13.03	14.05	14.94	9.83	NORM	NORM	NORM	NORM	NORM	1987
1988	0.17	0.57	1.98	1.24	1.31	1.75	0.87	7.25	8.25	8.39	9.11	7.42	NORM	DRY	DRY	NORM	NORM	1988
1989	1.78	5.63	0.69	1.02	2.63	2.90	1.09	15.11	10.07	10.62	14.98	11.70	WET	NORM	NORM	NORM	NORM	1989
1990	0.97	1.10	1.68	5.00	2.33	3.87	2.55	8.21	19.46	18.67	21.27	17.72	NORM	WET	NORM	WET	WET	1990
1991	0.44	3.11	5.67	3.58	1.14	0.71	0.22	23.67	25.19	16.25	7.99	3.22	WET	WET	NORM	DRY	DRY	1991
1992	0.43	0.36	1.75	4.75	4.70	3.42	0.45	6.40	18.11	25.35	24.41	12.89	DRY	NORM	WET	WET	NORM	1992
1993	0.30	1.00	2.24	5.82	5.98	0.84	0.99	9.02	22.94	31.82	20.30	10.63	NORM	WET	WET	WET	NORM	1993
1994	0.40	1.70	1.02	1.50	3.66	1.01	0.34	6.86	8.24	15.00	11.85	6.70	DRY	DRY	NORM	NORM	NORM	1994
1995	1.36	3.10	3.29	3.13	3.09	1.97	1.16	17.43	19.07	18.82	15.22	10.51	WET	NORM	NORM	NORM	NORM	1995
1996	0.73	0.91	2.95	4.37	2.13	1.56	4.43	11.40	19.92	18.08	13.31	18.54	NORM	WET	NORM	NORM	WET	1996
1997	0.46	3.15	2.32	3.05	2.71	0.80	1.16	13.72	16.94	16.55	10.87	7.79	NORM	NORM	NORM	NORM	NORM	1997
1998	0.70	0.65	1.60	2.58	2.26	4.54	0.34	6.80	11.59	13.54	20.72	12.36	DRY	NORM	NORM	WET	NORM	1998
1999	0.48	1.97	4.67	2.88	2.35	2.71	4.49	18.43	19.95	17.48	15.71	21.24	WET	WET	NORM	NORM	WET	1999
2000	2.37	1.80	3.36	4.84	2.76	3.22	0.35	16.05	23.04	21.32	20.02	10.25	WET	WET	WET	WET	NORM	2000
2001	0.08	2.59	2.76	3.18	4.31	0.43	1.58	13.54	17.65	22.05	13.09	9.91	NORM	NORM	WET	NORM	NORM	2001
2002	0.57	0.84	0.91	1.78	3.75	1.06	0.93	4.98	8.00	15.72	12.46	8.66	DRY	DRY	NORM	NORM	NORM	2002
2003	0.81	2.44	3.07	2.25	1.07	0.57	1.04	14.90	15.33	10.78	6.10	5.33	NORM	NORM	NORM	DRY	DRY	2003
2004	1.37	0.88	3.90	3.00	1.25	1.92	4.18	14.83	17.68	13.65	11.26	17.63	NORM	NORM	NORM	NORM	WET	2004
2005	0.28	1.02	2.54	6.78	0.86	2.46	0.55	9.94	26.44	18.68	15.88	7.43	NORM	WET	NORM	NORM	NORM	2005
2006	0.07	0.22	0.83	1.28	1.61	2.60	3.05	3.00	5.72	8.22	12.30	15.96	DRY	DRY	DRY	NORM	WET	2006
2007	2.68	1.25	3.77	5.56	1.87	4.56	2.20	16.49	25.47	20.50	22.98	17.59	WET	WET	WET	WET	WET	2007
2008	0.46	0.60	1.47	5.01	1.78	3.22	3.23	6.07	18.57	16.83	18.23	17.91	DRY	NORM	NORM	WET	WET	2008
2009	0.91	1.07	1.08	2.28	2.30	1.85	0.00	6.29	10.07	12.54	12.43	6.00	DRY	NORM	NORM	NORM	NORM	2009
2010	0.00	2.58	4.33	1.64	1.07	0.36	2.21	18.15	16.16	10.82	4.86	8.42	WET	NORM	NORM	DRY	NORM	2010
2011	1.10	2.36	1.52	5.60	1.49	4.44	0.72	10.38	22.20	17.19	21.90	12.53	NORM	WET	NORM	WET	NORM	2011
2012	0.32	2.21	3.18	2.35	1.93	2.82	0.00	14.28	15.62	13.67	14.67	7.57	NORM	NORM	NORM	NORM	NORM	2012
2013	0.22	1.59	5.25	2.41	5.06	1.46	2.65	19.15	19.32	25.25	16.91	15.93	WET	NORM	WET	NORM	WET	2013
2014	0.36	2.64	1.14	5.69	0.60	5.49	0.49	9.06	21.99	14.32	23.36	13.05	NORM	WET	NORM	WET	WET	2014
2015	0.15	0.33	5.59	3.52	1.77	3.78	0.85	17.58	22.07	17.94	18.40	11.88	WET	WET	NORM	WET	NORM	2015
2016	0.71	4.02	3.05	2.17	2.40	3.37	2.26	17.90	16.63	14.59	17.08	15.92	WET	NORM	NORM	NORM	WET	2016
2017	0.43	0.53	1.04	1.82	5.04	3.11	2.49	4.61	8.07	19.80	21.23	18.73	DRY	DRY	WET	WET	WET	2017
2018	1.17	1.35	3.99	5.57	2.16	0.88	3.29	15.84	26.04	21.61	12.53	13.79	WET	WET	WET	NORM	WET	2018

Month	30% Lower Bound	N	30% Upper Bound
March	0.52	1.09	1.33
April	0.93	1.85	2.26
May	1.61	2.55	3.08
June	1.96	3.03	3.65
July	1.41	2.54	3.09
August	1.38	2.14	2.57
Sept.	0.55	1.30	1.58
Jun-MAM	7.21	12.44	15.09
Jul-JMA	10.03	16.04	19.37
Aug-JJM	9.76	16.23	19.65
Sep-AJJ	8.92	14.53	17.54
Oct-SAJ	5.82	10.72	12.97

Normals are for 1971-2000 data

March 1.09 NOTE:

April 1.85

May 2.55

June 3.03

July 2.54

August 2.14

Sept. 1.30

Mobridge 2 NNW NWS Station (SD5691) was used for 1950; Jun 2008.

Rainfall Data
Sioux Falls AP
Station #SD7667
Minnehaha County, SD

Portion of the table to be used with the PrecipCategories tool.

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	Year
1937	1.36	5.19	3.96	3.20	2.63	5.06	1.48	23.62	22.71	18.25	23.64	17.19	WET	NORM	NORM	WET	NORM	1937
1939	0.51	1.67	4.19	6.44	3.00	4.04	1.12	16.42	29.37	26.07	24.56	14.44	NORM	WET	WET	WET	NORM	1939
1940	3.44	3.39	0.39	5.25	2.49	4.17	1.27	11.39	19.92	18.36	22.74	14.64	NORM	NORM	NORM	WET	NORM	1940
1941	0.93	5.45	1.71	3.81	1.64	0.77	1.70	16.96	20.30	14.25	9.40	8.28	NORM	NORM	NORM	DRY	DRY	1941
1956	2.19	1.29	1.31	6.86	4.02	4.09	0.29	8.70	24.49	27.09	27.17	13.07	DRY	WET	WET	WET	NORM	1956
1958	0.95	2.55	0.81	1.48	3.52	0.61	2.11	8.48	8.61	14.33	10.35	11.07	DRY	DRY	NORM	DRY	NORM	1958
1962	1.72	1.70	6.07	3.98	5.50	2.77	3.58	23.33	25.78	30.53	23.29	21.78	WET	WET	WET	WET	WET	1962
1964	2.12	4.03	1.29	1.68	4.03	3.87	4.06	14.05	11.65	16.74	21.35	23.95	NORM	DRY	NORM	NORM	WET	1964
1966	0.70	1.71	1.94	2.68	1.54	2.12	6.34	9.94	13.63	11.92	12.12	24.80	DRY	NORM	DRY	NORM	WET	1966
1968	0.61	4.34	2.69	4.10	2.37	1.70	4.01	17.36	22.02	18.00	13.94	17.80	NORM	NORM	NORM	NORM	NORM	1968
1970	2.03	3.75	4.83	3.81	2.98	0.53	3.14	24.02	24.84	21.39	11.36	13.46	WET	WET	NORM	NORM	NORM	1970
1971	0.85	1.59	1.06	6.10	2.92	0.71	3.23	7.21	22.01	22.02	14.07	14.03	DRY	NORM	NORM	NORM	NORM	1971
1972	0.97	2.73	7.25	2.09	3.49	2.65	1.75	28.18	23.50	21.90	17.02	14.04	WET	NORM	NORM	NORM	NORM	1972
1976	1.60	2.15	1.02	1.02	1.53	1.31	0.76	8.96	7.25	7.65	8.01	6.43	DRY	DRY	DRY	DRY	DRY	1976
1979	3.47	2.75	4.90	3.01	3.13	4.35	4.03	23.67	21.58	20.31	22.32	23.92	WET	NORM	NORM	WET	WET	1979
1980	0.70	0.77	2.52	2.17	1.63	2.92	0.79	9.80	12.32	11.75	14.19	9.84	DRY	DRY	DRY	NORM	NORM	1980
1981	1.86	0.58	0.61	3.90	3.89	2.28	0.50	4.85	13.50	20.08	18.52	9.95	DRY	NORM	NORM	NORM	NORM	1981
1982	1.17	1.87	4.72	1.18	4.60	5.23	3.49	19.07	14.85	20.88	26.07	25.53	NORM	NORM	NORM	WET	WET	1982
1983	3.35	2.88	2.92	6.75	1.82	2.00	1.92	17.87	28.97	21.88	16.39	11.58	NORM	WET	NORM	NORM	NORM	1983
1984	1.83	5.79	2.95	8.43	1.63	0.76	1.62	22.26	36.98	24.70	13.97	8.01	WET	WET	WET	NORM	DRY	1984
1985	2.37	5.18	3.29	2.52	2.70	4.07	3.34	22.60	19.32	16.43	20.13	20.86	WET	NORM	NORM	NORM	WET	1985
1986	1.50	5.15	2.42	3.93	2.59	2.77	9.26	19.06	21.78	18.05	17.42	35.91	NORM	NORM	NORM	NORM	WET	1986
1987	3.27	0.28	2.94	1.78	3.16	1.36	2.05	12.65	11.50	15.98	12.18	12.03	NORM	DRY	NORM	NORM	NORM	1987
1988	0.63	3.00	1.54	0.91	0.49	4.02	4.39	11.25	8.81	4.83	13.95	21.70	NORM	DRY	DRY	NORM	WET	1988
1989	1.07	1.59	1.42	2.50	1.37	2.46	3.38	8.51	11.93	10.53	12.62	16.43	DRY	DRY	DRY	NORM	NORM	1989
1990	1.57	1.86	4.07	4.86	1.77	1.17	0.47	17.50	24.58	19.10	11.91	5.52	NORM	WET	NORM	NORM	DRY	1990
1991	0.86	2.21	6.20	6.36	2.26	1.41	3.95	23.88	33.69	25.70	15.11	16.93	WET	WET	WET	NORM	NORM	1991
1992	2.36	2.01	1.80	2.44	8.41	5.29	3.06	11.78	12.93	31.91	35.13	28.17	NORM	NORM	WET	WET	WET	1992
1993	2.04	2.61	8.26	6.43	7.86	3.10	1.88	32.04	38.42	44.70	31.45	19.70	WET	WET	WET	WET	NORM	1993
1994	0.20	3.34	1.26	6.03	1.70	2.66	2.36	10.66	23.95	18.42	17.41	14.10	NORM	NORM	NORM	NORM	NORM	1994
1995	4.06	5.83	4.76	2.70	2.55	5.11	1.86	30.00	23.45	17.81	23.13	18.35	WET	NORM	NORM	WET	NORM	1995
1996	0.82	0.55	5.27	1.14	0.96	1.79	2.82	17.73	14.51	10.43	8.43	13.00	NORM	NORM	DRY	DRY	NORM	1996
1997	0.23	2.43	3.58	3.77	2.94	1.58	1.59	15.83	20.90	19.94	14.39	10.87	NORM	NORM	NORM	NORM	NORM	1997
1998	4.08	3.57	1.92	4.52	2.66	3.29	1.19	16.98	20.97	18.94	19.71	12.81	NORM	NORM	NORM	NORM	NORM	1998
1999	1.15	4.32	6.20	2.57	4.81	0.80	0.84	28.39	24.43	25.77	14.59	8.93	WET	WET	WET	NORM	DRY	1999
2000	0.91	2.27	5.56	3.26	3.22	3.17	1.34	22.13	23.17	21.74	19.21	13.58	WET	NORM	NORM	NORM	NORM	2000
2001	0.78	6.97	1.92	3.13	5.88	1.37	2.25	20.48	20.20	25.82	19.00	15.37	NORM	NORM	WET	NORM	NORM	2001
2002	1.41	2.29	1.82	2.57	1.80	8.26	1.39	11.45	13.64	12.36	30.95	22.49	NORM	NORM	NORM	WET	WET	2002
2003	0.22	3.69	2.64	3.54	1.64	1.82	4.74	15.52	19.59	14.64	12.28	19.50	NORM	NORM	NORM	NORM	NORM	2003
2004	2.03	1.28	8.10	6.00	1.40	3.58	5.12	28.89	35.48	24.30	19.54	23.92	WET	WET	WET	NORM	WET	2004
2005	1.53	3.33	5.22	3.72	4.59	1.36	4.76	23.85	24.93	26.43	16.98	21.59	WET	WET	WET	NORM	WET	2005
2006	2.67	6.17	1.02	3.81	0.68	4.33	3.88	18.07	19.64	10.68	18.16	20.98	NORM	NORM	DRY	NORM	WET	2006
2007	4.97	1.93	2.63	3.98	0.32	6.18	2.27	16.72	19.13	11.55	23.16	19.49	NORM	NORM	DRY	WET	NORM	2007
2008	1.34	2.68	3.34	3.95	2.52	1.91	1.78	16.72	21.21	18.80	14.72	11.68	NORM	NORM	NORM	NORM	NORM	2008
2009	1.31	1.95	1.43	3.07	3.71	1.93	1.21	9.50	14.02	18.70	16.28	11.20	DRY	NORM	NORM	NORM	NORM	2009
2010	1.02	2.65	2.03	7.83	8.55	6.26	4.46	12.41	30.20	43.34	43.71	34.45	NORM	WET	WET	WET	WET	2010
2011	0.74	3.09	5.42	4.26	5.76	1.40	0.20	23.18	26.71	31.22	19.98	9.16	WET	WET	WET	NORM	DRY	2011
2012	0.77	2.40	4.60	0.74	0.24	1.75	1.14	19.37	13.82	6.80	6.47	7.16	NORM	NORM	DRY	DRY	DRY	2012
2013	0.88	3.13	6.95	4.28	0.60	3.23	0.77	27.99	29.87	17.31	15.17	9.37	WET	WET	NORM	NORM	DRY	2013
2014	0.71	1.17	2.11	13.70	0.80	4.95	2.28	9.38	46.49	31.91	30.15	17.54	DRY	WET	WET	WET	NORM	2014
2015	0.33	1.00	4.00	4.29	4.19	6.57	3.24	14.33	21.87	25.15	32.38	27.05	NORM	NORM	WET	WET	WET	2015
2016	2.09	4.62	3.11	1.72	2.32	2.32	7.55	20.66	16.00	13.51	13.32	29.61	NORM	NORM	NORM	NORM	WET	2016
2017	0.54	2.87	3.23	3.29	1.13	5.42	1.62	15.97	19.20	13.20	21.81	16.83	NORM	NORM	NORM	NORM	NORM	2017
2018	2.06	3.34	2.48	7.29	4.94	5.33	7.32	16.18	30.17	31.88	33.16	37.56	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound
March	0.99	1.81	2.20
April	1.59	2.65	3.21
May	2.09	3.39	4.11
June	2.24	3.49	4.20
July	1.79	2.93	3.55
August	1.80	3.01	3.65
Sept.	1.40	2.58	3.15
Jun-MAM	10.44	17.28	20.95
Jul-JMA	12.49	19.90	24.03
Aug-JJM	11.94	19.16	23.16
Sep-AJJ	11.22	18.38	22.25
Oct-SAJ	9.59	16.69	20.30

Normals are for 1971-2000 data

NOTE:
Sioux Falls AP NWS Station (SD7667) has not collected data as of 2012.

Sioux Falls AP NWS Station (SD7667) has been replaced with Sioux Falls Foss FLD NWS Station (SD944).

Rainfall Data
Sisseton
Station #SD7742
Roberts County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1952	0.85	0.45	1.27	3.16	0.33	0.98	0.40	5.56	12.47	8.58	6.76	3.49	DRY	NORM	DRY	DRY	DRY	1952
1953	0.36	4.87	2.85	6.97	1.50	3.90	0.30	18.65	31.48	21.29	21.67	10.2	WET	WET	NORM	WET	NORM	1953
1958	0.48	1.42	1.42	2.88	2.38	1.13	0.73	7.58	12.90	14.32	11.03	6.83	NORM	NORM	NORM	NORM	DRY	1958
1962	1.49	2.13	8.95	3.26	8.13	0.62	2.07	32.60	29.81	39.86	21.38	15.58	WET	WET	WET	WET	NORM	1962
1965	1.71	2.99	9.76	2.41	3.06	2.08	4.59	36.97	29.74	23.76	14.77	20.99	WET	WET	WET	NORM	WET	1965
1970	0.87	2.81	1.85	3.28	2.51	0.40	1.78	12.04	16.35	15.94	9.50	8.65	NORM	NORM	NORM	DRY	NORM	1970
1971	0.54	1.29	3.13	7.10	1.27	2.91	0.69	12.51	28.85	21.14	18.37	9.16	NORM	WET	NORM	NORM	NORM	1971
1977	5.19	2.97	2.52	1.83	2.63	2.46	3.50	18.69	13.50	14.07	14.47	18.05	WET	NORM	NORM	NORM	WET	1977
1978	0.63	2.47	2.39	6.31	3.34	2.73	1.11	12.74	26.18	25.03	21.18	12.13	NORM	WET	WET	WET	NORM	1978
1979	1.69	3.20	1.33	6.64	4.15	1.45	0.11	12.08	25.78	27.06	19.29	7.38	NORM	WET	WET	WET	NORM	1979
1980	0.70	0.56	0.90	3.17	1.71	5.25	0.37	4.52	11.87	12.37	22.34	13.32	DRY	NORM	NORM	WET	NORM	1980
1981	1.32	1.11	3.31	3.31	3.20	1.47	0.53	13.47	17.66	19.53	14.12	7.73	NORM	NORM	NORM	NORM	DRY	1981
1982	2.02	0.16	3.69	0.67	2.25	0.98	2.51	13.41	9.55	11.78	8.11	11.74	NORM	NORM	NORM	DRY	NORM	1982
1983	2.70	0.41	0.43	2.22	1.62	5.06	1.84	4.81	7.93	9.73	20.64	17.26	DRY	DRY	DRY	NORM	WET	1983
1984	2.01	2.79	1.09	6.61	2.33	3.33	1.21	10.86	24.80	21.30	21.26	12.62	NORM	WET	NORM	WET	NORM	1984
1985	1.08	1.37	3.58	2.44	1.82	2.66	2.17	14.56	15.85	13.92	14.06	13.65	NORM	NORM	NORM	NORM	NORM	1985
1986	0.74	7.30	3.08	3.53	6.51	2.91	4.96	24.58	24.05	29.67	25.28	27.21	WET	WET	WET	WET	WET	1986
1987	1.88	0.18	2.89	0.64	2.79	1.38	2.31	10.91	7.88	12.54	10.36	12.48	NORM	DRY	NORM	DRY	NORM	1987
1988	0.62	0.47	3.90	1.57	1.27	4.44	3.88	13.26	12.98	10.85	17.43	21.79	NORM	NORM	NORM	NORM	WET	1988
1989	1.90	2.52	0.75	1.51	3.67	6.03	2.94	9.19	8.55	14.78	26.94	24.55	NORM	DRY	NORM	WET	WET	1989
1990	1.45	2.55	1.33	3.86	2.45	3.19	2.69	10.54	16.79	16.40	18.33	16.90	NORM	NORM	NORM	NORM	NORM	1990
1991	1.16	4.46	4.60	6.91	4.79	1.86	2.74	23.88	34.39	32.79	22.07	16.73	WET	WET	WET	WET	NORM	1991
1992	0.88	1.27	1.25	5.50	2.66	1.34	2.13	7.17	20.27	20.23	14.84	11.73	DRY	NORM	NORM	NORM	NORM	1992
1993	1.20	1.58	4.34	5.50	8.25	1.93	2.11	17.38	26.76	40.09	27.79	18.44	WET	WET	WET	WET	WET	1993
1994	0.48	3.65	2.12	1.26	5.85	1.47	2.29	14.14	11.67	22.19	17.37	15.66	NORM	NORM	NORM	NORM	NORM	1994
1995	4.38	2.08	4.08	1.73	4.22	3.61	3.66	20.78	15.43	20.20	21.00	22.42	WET	NORM	NORM	WET	WET	1995
1996	0.91	0.15	4.51	3.55	3.33	0.60	3.94	14.74	19.82	21.60	12.01	16.35	NORM	NORM	NORM	NORM	NORM	1996
1997	0.91	2.60	1.55	0.91	4.41	2.08	0.41	10.76	8.43	16.60	15.97	9.80	NORM	DRY	NORM	NORM	NORM	1997
1998	2.06	2.91	5.51	3.59	1.88	2.77	0.00	24.41	24.70	18.33	15.66	7.42	WET	WET	NORM	NORM	DRY	1998
1999	1.28	1.45	2.41	4.54	2.20	4.09	2.75	11.41	19.89	18.09	21.21	18.63	NORM	NORM	NORM	WET	WET	1999
2000	1.82	3.34	1.25	2.91	4.68	1.28	0.92	12.25	14.57	21.11	16.11	10.00	NORM	NORM	NORM	NORM	NORM	2000
2001	0.30	4.31	3.36	2.55	4.16	0.92	2.67	19.00	18.68	20.94	13.63	14.01	WET	NORM	NORM	NORM	NORM	2001
2002	1.32	2.05	3.69	4.21	4.85	3.16	1.17	16.49	22.06	26.66	23.39	14.68	NORM	WET	WET	WET	NORM	2002
2003	0.63	2.82	4.01	6.93	3.48	0.55	1.90	18.30	31.63	28.31	15.54	10.28	WET	WET	WET	NORM	NORM	2003
2004	1.26	1.23	4.57	2.83	4.49	1.01	6.42	17.43	18.86	23.70	14.84	25.77	WET	NORM	WET	NORM	WET	2004
2005	0.1	1.23	4.26	8.54	4.11	2.87	4.26	15.34	35.37	33.67	25.37	22.63	NORM	WET	WET	WET	WET	2005
2006	1.55	3.90	2.02	1.60	1.03	6.32	4.70	15.41	12.74	8.31	22.62	27.77	NORM	NORM	DRY	WET	WET	2006
2007	3.22	3.47	4.19	4.85	1.65	1.99	3.15	22.73	26.40	18.84	14.12	15.08	WET	WET	NORM	NORM	NORM	2007
2008	1.36	2.06	1.69	6.45	3.53	1.35	4.58	10.55	24.79	25.18	17.56	19.97	NORM	WET	WET	NORM	WET	2008
2009	2.62	1.70	0.94	3.11	1.49	4.16	2.45	8.84	12.91	11.63	18.57	17.16	NORM	NORM	NORM	NORM	NORM	2009
2010	1.96	2.29	2.41	3.45	1.93	2.79	5.44	13.77	17.46	15.10	15.68	23.83	NORM	NORM	NORM	NORM	WET	2010
2011	1.73	1.71	3.69	3.92	7.33	2.14	0.44	16.22	20.85	33.52	25.00	12.93	NORM	NORM	WET	WET	NORM	2011
2012	0.81	5.06	1.46	2.58	2.23	1.20	0.18	15.31	15.72	13.31	10.64	5.17	NORM	NORM	NORM	NORM	DRY	2012
2013	1.00	1.95	3.73	5.60	2.88	1.03	2.52	16.09	26.21	23.57	14.45	12.50	NORM	WET	WET	NORM	NORM	2013
2014	1.06	3.00	3.91	9.27	2.08	2.82	1.52	18.79	38.63	28.69	21.89	12.28	WET	WET	WET	WET	NORM	2014
2015	0.62	0.61	5.79	1.88	3.48	2.52	0.40	19.21	17.83	19.99	16.40	9.72	WET	NORM	NORM	NORM	NORM	2015
2016	0.40	2.73	0.94	1.15	5.03	4.48	1.78	8.68	8.06	18.33	24.65	19.33	NORM	DRY	NORM	WET	WET	2016
2017	0.22	1.46	1.55	2.66	0.87	4.70	3.93	7.79	12.54	9.48	18.50	22.06	NORM	NORM	DRY	NORM	WET	2017
2018	1.34	0.72	1.97	3.50	6.29	1.11	2.06	8.69	15.16	27.84	19.41	14.69	NORM	NORM	WET	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.94	1.53	1.85	March	1.53
April	0.95	2.04	2.49	April	2.04
May	1.56	2.76	3.36	May	2.76
June	1.77	3.30	4.03	June	3.30
July	1.88	3.13	3.79	July	3.13
August	1.67	2.59	3.12	August	2.59
Sept.	0.84	1.95	2.40	Sept.	1.95
Jun-MAM	7.52	13.89	16.91		
Jul-JMA	9.38	17.46	21.30		
Aug-JJM	10.74	18.75	22.79		
Sep-AJJ	10.54	17.33	20.97		
Oct-SAJ	7.74	14.16	17.23		

NOTE:
Wilmot 1 ENE NWS Station (SD9337) was used for Mar 1980.

Rainfall Data
Spearfish
Station #SD7882
Lawrence County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1980	1.49	1.71	2.77	3.03	0.75	1.98	0.86	13.22	16.34	11.08	10.47	7.29	NORM	NORM	NORM	NORM	NORM	1980
1981	0.32	0.57	3.66	4.32	4.20	1.21	1.73	12.44	20.85	24.90	16.35	11.81	NORM	NORM	WET	WET	NORM	1981
1982	2.70	2.38	14.11	2.83	2.08	2.05	2.91	49.79	39.09	26.01	13.14	14.91	WET	WET	WET	NORM	WET	1982
1983	0.51	2.87	2.25	1.34	1.12	1.52	0.49	13.00	11.39	8.29	8.14	5.63	NORM	DRY	DRY	NORM	NORM	1983
1984	0.82	5.66	1.66	8.95	0.80	2.12	0.97	17.12	35.83	21.96	16.91	7.95	NORM	WET	WET	WET	NORM	1984
1985	2.56	1.22	1.18	2.44	0.96	0.50	1.68	8.54	10.90	8.94	5.86	7.00	DRY	DRY	DRY	DRY	NORM	1985
1986	0.75	5.95	2.08	4.41	3.20	0.62	4.52	18.89	23.34	20.50	12.67	18.00	NORM	NORM	NORM	NORM	WET	1986
1987	1.79	0.37	4.38	0.70	1.88	3.21	0.81	15.67	11.23	11.42	14.09	10.73	NORM	DRY	NORM	NORM	NORM	1987
1988	2.60	0.05	3.64	2.61	0.81	0.38	4.04	13.62	15.16	11.29	5.37	13.69	NORM	NORM	NORM	DRY	WET	1988
1989	1.85	3.01	1.91	2.87	3.25	1.29	2.50	13.60	15.44	17.40	13.24	13.33	NORM	NORM	NORM	NORM	WET	1989
1990	0.69	2.67	2.96	1.14	3.33	0.22	0.21	14.91	12.01	15.23	8.46	4.40	NORM	DRY	NORM	NORM	DRY	1990
1991	0.63	1.80	4.94	3.56	0.78	0.96	0.61	19.05	22.36	14.40	8.00	4.53	NORM	NORM	NORM	NORM	DRY	1991
1992	1.59	1.81	2.02	3.61	2.78	1.14	0.91	11.27	16.68	17.58	12.59	7.79	NORM	NORM	NORM	NORM	NORM	1992
1993	1.02	2.24	3.72	6.12	3.12	1.17	1.40	16.66	28.04	25.32	15.87	9.66	NORM	WET	WET	NORM	NORM	1993
1994	0.64	2.31	1.05	0.74	3.18	1.20	0.58	8.41	6.63	12.07	10.70	7.32	DRY	DRY	NORM	NORM	NORM	1994
1995	1.00	2.71	7.77	6.42	2.57	0.60	1.87	29.73	37.51	28.32	13.36	9.38	WET	WET	WET	NORM	NORM	1995
1996	2.09	2.18	5.22	2.41	1.86	1.36	2.64	22.11	19.85	15.62	10.21	12.50	WET	NORM	NORM	NORM	WET	1996
1997	0.95	2.57	4.09	2.58	2.76	1.68	1.31	18.36	18.49	17.53	13.14	10.05	NORM	NORM	NORM	NORM	NORM	1997
1998	0.92	0.95	0.62	6.35	3.67	2.61	1.77	4.68	21.24	24.33	21.52	14.20	DRY	NORM	WET	WET	WET	1998
1999	1.58	4.45	1.57	5.57	1.87	2.09	0.80	15.19	24.30	18.32	15.58	8.45	NORM	NORM	NORM	NORM	NORM	1999
2000	2.19	2.29	4.58	3.11	0.93	1.04	1.44	20.51	20.78	13.59	8.09	7.33	NORM	NORM	NORM	NORM	NORM	2000
2001	1.54	1.57	1.49	4.07	3.63	0.18	0.41	9.15	16.76	20.52	11.87	5.22	DRY	NORM	NORM	NORM	DRY	2001
2002	0.58	1.05	1.42	0.95	0.59	2.52	3.58	6.94	6.74	5.09	9.69	16.37	DRY	DRY	DRY	NORM	WET	2002
2003	1.15	0.91	3.75	4.75	0.18	1.41	3.10	14.22	22.66	13.79	9.34	12.30	NORM	NORM	NORM	NORM	WET	2003
2004	1.61	1.65	1.95	1.17	3.32	1.42	0.92	10.76	9.06	14.25	12.07	8.92	NORM	DRY	NORM	NORM	NORM	2004
2005	0.73	2.54	4.23	2.81	1.01	2.35	0.9	18.50	19.43	12.88	11.88	8.41	NORM	NORM	NORM	NORM	NORM	2005
2006	0.90	4.30	3.54	0.94	0.40	1.99	4.91	20.12	14.20	6.62	7.71	19.11	NORM	NORM	DRY	NORM	WET	2006
2007	1.23	0.49	5.53	4.05	1.96	1.85	0.92	18.80	23.70	19.51	13.52	8.42	NORM	NORM	NORM	NORM	NORM	2007
2008	1.08	2.21	9.55	8.28	2.86	2.05	1.28	34.15	46.15	34.69	20.15	10.80	WET	WET	WET	WET	NORM	2008
2009	3.24	2.26	0.80	3.61	1.63	3.15	0.76	10.16	14.69	12.91	16.32	10.21	NORM	NORM	NORM	WET	NORM	2009
2010	1.09	2.65	3.92	3.66	1.78	2.87	2.09	18.15	21.47	16.58	15.83	13.79	NORM	NORM	NORM	NORM	WET	2010
2011	0.73	1.55	2.26	1.98	3.83	1.61	0.70	10.61	12.01	17.71	14.47	9.15	NORM	DRY	NORM	NORM	NORM	2011
2012	0.18	2.58	2.48	1.31	0.98	1.24	0.00	12.78	11.47	8.04	6.99	3.46	NORM	DRY	DRY	DRY	DRY	2012
2013	0.61	2.80	7.53	5.15	2.87	1.86	1.63	28.80	33.31	26.44	16.47	11.48	WET	WET	WET	WET	NORM	2013
2014	3.34	2.63	2.19	6.63	0.83	1.40	3.08	15.17	26.90	17.94	12.49	12.87	NORM	WET	NORM	NORM	WET	2014
2015	0.77	1.51	5.84	5.15	1.88	4.50	1.02	21.31	28.64	21.78	22.41	13.94	WET	WET	WET	WET	WET	2015
2016	1.92	2.20	0.63	1.07	1.56	2.61	0.74	8.21	6.67	7.45	12.02	9.00	DRY	DRY	DRY	NORM	NORM	2016
2017	0.79	3.58	1.90	4.82	1.24	1.50	2.16	13.65	21.84	15.26	11.80	10.72	NORM	NORM	NORM	NORM	NORM	2017
2018	1.30	2.04	4.83	5.56	5.65	2.32	1.77	19.87	28.38	32.90	23.82	15.60	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.79	1.40	1.7	March	1.40
April	1.36	2.46	3.00	April	2.46
May	2.15	3.57	4.33	May	3.57
June	2.23	3.82	4.64	June	3.82
July	1.41	2.20	2.64	July	2.20
August	0.88	1.68	2.05	August	1.68
Sept.	0.72	1.47	1.79	Sept.	1.47

NOTE:

Spearfish NWS Station (SD7882) has not collected data as of 2012.

Spearfish NWS Station (SD7882) has been replaced with Spearfish NWS Station (SD059) as of 2012.

Lead NWS Station (SD4834) was used for Jun 1983; Sep 1984; Mar 1985; Jun 1988; Mar, Apr 1999.

Jun-MAM	9.96	17.03	20.69
Jul-JMA	12.35	21.06	25.58
Aug-JJM	10.84	17.81	21.53
Sep-AJJ	7.69	13.26	16.07
Oct-SAJ	5.33	9.97	12.11

Rainfall Data
Stephan 2 NW
Station #SD7992
Hyde County, SD

Portion of the table to be used with the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1938	1.10	4.98	2.29	3.26	0.78	0.38	1.02	17.93	19.34	11.15	5.96	4.60	WET	NORM	NORM	DRY	DRY	1938
1939	0.12	0.81	4.62	5.49	1.60	0.50	0.81	15.60	26.52	20.40	10.19	5.03	NORM	WET	WET	NORM	DRY	1939
1947	0.88	1.77	0.62	6.44	0.44	0.66	1.30	6.28	22.33	14.82	9.30	5.66	DRY	WET	NORM	NORM	NORM	1947
1948	0.41	2.22	1.19	5.06	0.73	3.51	0.20	8.42	19.78	13.50	17.05	8.35	NORM	NORM	NORM	NORM	NORM	1948
1949	1.17	0.59	2.52	3.43	0.33	2.35	2.29	9.91	15.92	10.37	11.14	11.90	NORM	NORM	NORM	NORM	NORM	1949
1952	0.95	0.02	1.07	3.33	1.07	3.08	0.00	4.20	12.15	10.94	14.71	7.23	DRY	NORM	NORM	NORM	NORM	1952
1955	0.07	0.57	2.78	4.41	3.91	0.41	1.25	9.55	19.36	23.33	13.46	8.48	NORM	NORM	WET	NORM	NORM	1955
1957	0.52	3.38	5.29	4.38	5.00	2.82	2.07	23.15	27.10	29.05	22.84	16.85	WET	WET	WET	WET	WET	1957
1963	0.65	1.38	1.89	2.56	5.28	1.82	1.87	9.08	12.84	22.85	18.58	14.53	NORM	NORM	WET	WET	NORM	1963
1964	0.45	5.73	2.89	3.98	2.68	0.80	0.62	20.58	23.45	18.89	11.74	6.14	WET	WET	NORM	NORM	NORM	1964
1965	0.71	1.85	4.71	2.80	2.35	0.80	3.73	18.54	19.67	17.36	9.90	15.14	WET	NORM	NORM	NORM	WET	1965
1968	0.10	4.21	1.18	4.55	8.36	3.49	2.42	12.06	20.22	35.36	31.74	22.60	NORM	NORM	WET	WET	WET	1968
1969	0.47	0.14	0.99	3.36	1.62	0.17	1.15	3.72	12.20	12.57	7.11	5.41	DRY	NORM	NORM	DRY	DRY	1969
1970	0.18	2.55	1.26	2.40	3.95	1.43	0.25	9.06	12.27	17.91	14.59	7.56	NORM	NORM	NORM	NORM	NORM	1970
1976	0.10	1.38	0.52	1.10	0.39	0.32	2.83	4.42	5.72	3.89	2.84	9.52	DRY	DRY	DRY	DRY	NORM	1976
1978	0.15	3.21	2.81	3.63	2.78	0.98	0.50	15.00	19.72	18.41	12.13	6.24	NORM	NORM	NORM	NORM	NORM	1978
1979	1.86	1.84	1.98	1.52	3.95	2.67	0.00	11.48	10.36	16.87	17.43	9.29	NORM	NORM	NORM	NORM	NORM	1979
1980	0.33	0.39	0.90	3.70	0.90	3.75	0.00	3.81	13.29	11.00	16.75	8.40	DRY	NORM	NORM	NORM	NORM	1980
1981	2.19	0.65	1.91	2.36	5.96	2.28	0.34	9.22	11.55	24.51	21.12	11.54	NORM	NORM	WET	WET	NORM	1981
1982	3.93	0.94	5.76	1.36	4.12	3.81	1.67	23.09	16.54	20.84	21.03	16.75	WET	NORM	WET	WET	WET	1982
1983	2.25	0.34	3.46	4.97	1.41	1.32	1.71	13.31	22.17	17.63	11.75	9.18	NORM	WET	NORM	NORM	NORM	1983
1984	1.74	2.93	2.20	4.33	1.30	3.03	0.87	14.20	20.32	14.76	16.02	9.97	NORM	WET	NORM	NORM	NORM	1984
1985	1.94	0.37	2.11	2.92	1.49	4.00	4.48	9.01	13.35	12.42	17.90	22.93	NORM	NORM	NORM	WET	WET	1985
1986	0.66	5.44	2.61	4.85	1.73	1.34	3.90	19.37	25.21	17.50	12.33	16.11	WET	WET	NORM	NORM	WET	1986
1987	1.25	0.41	1.30	1.73	1.24	2.43	1.51	5.97	8.20	8.48	11.50	10.63	DRY	DRY	DRY	NORM	NORM	1987
1988	0.15	1.28	4.79	2.98	1.07	0.95	1.70	17.08	19.80	13.96	7.97	8.07	NORM	NORM	NORM	DRY	NORM	1988
1989	1.25	2.49	0.64	1.45	2.82	0.37	3.33	8.15	8.12	12.00	8.20	13.55	NORM	DRY	NORM	NORM	NORM	1989
1990	1.61	1.98	2.78	3.41	2.41	5.47	0.94	13.91	17.77	16.83	24.64	16.17	NORM	NORM	NORM	WET	WET	1990
1991	0.61	3.96	6.03	4.85	0.87	0.55	1.29	26.62	30.57	18.34	8.24	5.84	WET	WET	NORM	NORM	NORM	1991
1992	0.66	0.09	0.27	4.97	5.09	2.27	2.14	1.65	15.54	25.48	21.96	16.05	DRY	NORM	WET	WET	WET	1992
1993	1.15	3.59	3.07	5.44	6.17	0.52	1.91	17.54	26.05	32.46	19.34	12.94	WET	WET	WET	WET	NORM	1993
1994	0.13	1.41	0.75	2.62	2.33	1.05	1.10	5.20	10.77	12.98	10.43	7.73	DRY	NORM	NORM	NORM	NORM	1994
1995	1.71	3.92	5.27	2.28	1.15	2.73	2.60	25.36	21.30	13.28	12.77	14.41	WET	WET	NORM	NORM	NORM	1995
1996	0.92	1.05	5.85	0.82	4.03	0.92	7.06	20.57	15.21	19.58	11.64	27.05	WET	NORM	NORM	NORM	WET	1996
1997	0.32	3.02	3.82	2.00	4.81	2.79	1.54	17.82	16.66	22.25	19.99	15.01	WET	NORM	WET	WET	WET	1997
1998	2.39	1.48	2.91	5.75	3.49	2.26	0.06	14.08	24.55	24.88	19.51	8.19	NORM	WET	WET	WET	NORM	1998
1999	0.93	2.57	7.62	3.93	2.33	2.52	2.32	28.93	29.60	22.47	16.15	14.33	WET	WET	WET	NORM	NORM	1999
2000	0.62	1.14	2.25	1.90	3.07	2.21	0.13	9.65	11.34	15.26	14.67	7.88	NORM	NORM	NORM	NORM	NORM	2000
2001	0.37	4.13	2.54	2.93	3.81	0.05	2.55	16.25	18.00	19.83	10.70	11.56	NORM	NORM	NORM	NORM	NORM	2001
2002	0.81	0.90	0.91	2.82	3.37	2.86	1.49	5.34	11.18	16.66	18.14	13.56	DRY	NORM	NORM	WET	NORM	2002
2003	0.33	1.94	2.09	4.72	2.35	1.51	2.01	10.48	20.28	18.58	13.95	11.40	NORM	WET	NORM	NORM	NORM	2003
2004	2.21	0.14	3.36	2.98	3.38	1.97	4.00	12.57	15.80	19.46	15.65	19.32	NORM	NORM	NORM	NORM	WET	2004
2005	0.52	1.39	4.44	4.99	0.44	2.24	2.51	16.62	25.24	15.74	12.59	12.45	NORM	WET	NORM	NORM	NORM	2005
2006	2.47	1.15	0.45	1.42	0.28	3.38	2.44	6.12	6.31	4.13	12.12	14.36	DRY	DRY	DRY	NORM	NORM	2006
2007	2.20	1.67	4.69	3.50	0.24	3.37	0.66	19.61	21.55	12.41	14.09	8.96	WET	WET	NORM	NORM	NORM	2007
2008	0.83	1.91	2.83	4.61	4.62	1.24	2.28	13.14	21.40	25.91	17.57	13.94	NORM	WET	WET	WET	NORM	2008
2009	3.00	1.43	1.02	3.54	3.07	3.11	0.94	8.92	14.09	17.31	19.01	12.11	NORM	NORM	NORM	WET	NORM	2009
2010	1.08	2.33	4.26	6.54	2.00	2.94	2.01	18.52	30.47	23.34	19.36	13.91	WET	WET	WET	WET	NORM	2010
2011	0.78	2.07	2.50	6.88	2.76	0.89	0.66	12.42	27.71	24.54	15.07	6.52	NORM	WET	WET	NORM	NORM	2011
2012	0.00	5.25	1.87	2.86	0.74	0.17	0.00	16.11	17.57	9.81	4.85	1.08	NORM	NORM	DRY	DRY	DRY	2012
2013	0.14	1.53	4.23	1.90	2.42	1.73	0.80	15.89	15.69	15.29	11.93	8.28	NORM	NORM	NORM	NORM	NORM	2013
2014	0.14	2.45	2.68	4.03	1.60	0.78	0.45	13.08	19.90	15.54	9.57	4.51	NORM	NORM	NORM	NORM	DRY	2014
2015	0.16	0.30	3.80	3.48	4.39	2.52	0.94	12.16	18.34	23.93	19.82	12.25	NORM	NORM	WET	WET	NORM	2015
2016	1.40	4.75	3.37	1.38	1.51	0.00	0.89	21.01	15.63	10.66	4.40	4.18	WET	NORM	NORM	DRY	DRY	2016
2017	0.31	1.20	0.94	2.60	1.35	1.78	3.45	5.53	10.88	10.19	10.64	15.26	DRY	NORM	NORM	NORM	WET	2017
2018	1.06	1.86	2.62	6.13	1.74	1.07	1.97	12.64	25.49	20.10	12.82	9.79	NORM	WET	NORM	NORM	NORM	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data
	Bound	N	Bound		
March	0.55	1.31	1.60	March	1.31
April	0.99	1.98	2.42	April	1.98
May	1.60	2.95	3.59	May	2.95
June	1.95	2.62	3.54	June	2.62
July	1.55	2.07	3.18	July	2.07
August	1.02	1.77	2.53	August	1.77
Sept.	0.63	1.75	2.18	Sept.	1.75
Jun-MAM	7.33	14.12	17.21		
Jul-JMA	10.04	15.74	20.22		
Aug-JJM	10.15	14.40	20.21		
Sep-AJJ	8.11	12.07	17.49		
Oct-SAJ	5.48	10.86	14.78		

NOTE:
Stephan 2 NW NWS Station (SD7992) has not collected data as of 2014.

Highmore 1 W NWS Station (SD3832) was used for 1938; 1939; 1947; Mar-Jul 1948; 1949; 1952; 1955; 1957; Aug 2017; Apr 2018.
Lake Sharpe Project NWS Station (SD4766) was used for Jun 1968; Mar 1976; Sep 1999; Mar-Jun 2010; Sep 2011; Apr, Aug, Sep 2013; Mar 2014; 2015-2016; Mar-Jul, Sep 2017; Mar, May-Sep 2018.

Rainfall Data
Summit 1 W
Station #SD8116
Roberts County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1939	0.28	0.84	3.50	6.31	3.51	4.03	1.05	12.46	26.77	26.65	25.42	14.72	NORM	WET	WET	WET	NORM	1939
1952	0.90	0.24	2.00	4.87	2.34	3.63	0.45	7.38	18.85	18.76	20.44	10.95	DRY	NORM	NORM	NORM	NORM	1952
1953	0.65	4.01	3.50	6.04	2.51	3.23	0.17	19.17	29.13	23.11	20.75	9.48	WET	WET	NORM	NORM	DRY	1953
1958	0.30	2.62	1.26	2.15	2.10	0.83	0.89	9.32	11.59	11.86	8.84	6.43	NORM	NORM	DRY	DRY	DRY	1958
1962	0.87	1.63	9.34	5.96	6.64	1.18	0.97	32.15	38.19	41.18	22.78	11.91	WET	WET	WET	NORM	NORM	1962
1970	0.96	2.23	1.53	3.55	3.46	1.87	1.83	10.01	15.94	19.01	16.08	12.69	NORM	NORM	NORM	NORM	NORM	1970
1971	0.01	1.35	3.19	9.44	1.85	3.69	1.65	12.28	36.05	27.62	24.21	14.18	NORM	WET	WET	NORM	NORM	1971
1977	6.46	2.79	2.72	2.74	2.81	4.67	3.71	20.20	16.45	16.63	22.37	23.28	WET	NORM	NORM	NORM	WET	1977
1978	0.79	2.52	4.52	4.61	1.93	2.80	1.54	19.39	25.39	19.53	16.87	12.15	WET	WET	NORM	NORM	NORM	1978
1979	1.75	1.98	1.55	5.65	2.44	3.90	0.11	10.36	22.03	20.17	22.23	10.57	NORM	NORM	NORM	NORM	NORM	1979
1980	0.63	0.43	1.91	5.21	3.90	3.24	0.38	7.22	19.88	24.03	22.73	11.52	DRY	NORM	NORM	NORM	NORM	1980
1981	0.98	0.53	2.05	4.96	5.87	1.13	0.37	8.19	19.51	29.58	20.09	9.24	DRY	NORM	WET	NORM	DRY	1981
1982	1.31	0.37	3.27	0.85	6.69	1.52	2.51	11.86	9.46	25.04	18.79	17.26	NORM	DRY	NORM	NORM	NORM	1982
1983	2.72	1.20	1.03	3.84	4.12	4.03	2.54	8.21	14.78	21.07	24.17	19.80	DRY	NORM	NORM	NORM	WET	1983
1984	2.08	3.56	1.77	7.10	1.51	3.60	1.16	14.51	28.40	20.50	20.92	12.19	NORM	WET	NORM	NORM	NORM	1984
1985	3.00	1.30	2.03	1.75	3.99	4.72	4.55	11.69	10.61	17.50	23.89	27.08	NORM	DRY	NORM	NORM	WET	1985
1986	1.55	6.56	3.89	5.54	4.00	3.89	4.69	26.34	30.96	26.97	25.21	25.85	WET	WET	WET	WET	WET	1986
1987	2.14	0.58	2.41	0.93	3.75	1.81	1.87	10.53	8.19	15.52	13.86	12.98	NORM	DRY	NORM	NORM	NORM	1987
1988	0.43	0.62	3.53	1.63	1.21	4.61	3.49	12.26	12.57	10.42	17.88	20.90	NORM	NORM	DRY	NORM	WET	1988
1989	1.13	3.62	1.29	2.09	2.78	4.85	3.76	12.24	12.47	13.81	22.20	23.76	NORM	NORM	NORM	NORM	WET	1989
1990	1.51	1.89	2.01	5.14	2.57	3.20	1.28	11.32	21.33	20.00	19.88	12.81	NORM	NORM	NORM	NORM	NORM	1990
1991	1.33	4.94	4.62	6.53	3.63	4.61	2.65	25.07	33.77	28.57	27.62	20.80	WET	WET	WET	WET	WET	1991
1992	0.73	1.23	0.53	6.89	2.57	1.10	3.38	4.78	22.96	22.02	15.33	14.91	DRY	WET	NORM	NORM	NORM	1992
1993	0.96	2.06	3.10	6.89	9.29	1.50	2.49	14.38	28.93	44.75	29.97	19.76	NORM	WET	WET	WET	WET	1993
1994	0.36	2.81	2.03	3.15	9.01	2.79	2.32	12.07	16.32	35.36	29.54	21.55	NORM	NORM	WET	WET	WET	1994
1995	2.25	2.90	4.50	3.35	6.96	6.86	2.78	21.55	21.95	32.08	37.85	29.02	WET	NORM	WET	WET	WET	1995
1996	0.56	0.11	4.85	3.00	3.86	1.69	3.47	15.33	18.81	22.43	15.79	17.65	NORM	NORM	NORM	NORM	NORM	1996
1997	1.31	2.23	1.22	0.59	5.22	3.99	1.64	9.43	6.44	18.06	23.00	18.12	NORM	DRY	NORM	NORM	NORM	1997
1998	1.90	1.40	4.31	2.66	1.35	4.76	0.05	17.63	18.00	13.68	19.64	11.02	WET	NORM	NORM	NORM	NORM	1998
1999	1.19	2.05	3.46	4.69	3.05	3.77	2.75	15.67	23.04	21.99	22.10	18.84	NORM	WET	NORM	NORM	NORM	1999
2000	0.62	2.24	1.71	2.40	4.77	0.99	1.36	10.23	12.86	20.82	14.91	10.83	NORM	NORM	NORM	NORM	NORM	2000
2001	0.02	4.99	3.13	5.03	3.79	0.34	3.08	19.39	26.34	24.56	13.63	13.71	WET	WET	NORM	NORM	NORM	2001
2002	0.60	2.55	2.62	3.96	3.44	4.25	0.73	13.56	19.67	20.86	23.59	14.13	NORM	NORM	NORM	NORM	NORM	2002
2003	0.22	1.25	3.49	4.81	2.18	1.31	2.16	13.19	22.66	19.65	13.10	11.28	NORM	NORM	NORM	DRY	NORM	2003
2004	0.71	1.88	5.24	3.26	3.49	1.46	7.96	20.19	22.14	22.23	14.62	30.29	WET	NORM	NORM	NORM	WET	2004
2005	0.08	1.01	4.09	5.93	2.24	4.27	2.48	14.37	26.98	22.67	23.22	18.22	NORM	WET	NORM	NORM	NORM	2005
2006	0.22	2.58	2.23	3.12	0.40	2.62	6.61	12.07	16.40	9.67	11.78	25.47	NORM	NORM	DRY	DRY	WET	2006
2007	3.02	4.18	3.23	2.71	2.20	2.11	6.87	21.07	18.77	15.25	13.44	27.03	WET	NORM	NORM	DRY	WET	2007
2008	0.93	1.54	2.09	6.43	3.96	2.28	3.31	10.28	25.01	26.83	21.19	18.45	NORM	WET	WET	NORM	NORM	2008
2009	1.87	0.68	1.05	2.94	3.91	5.76	3.16	6.38	11.60	18.66	28.04	24.91	DRY	NORM	NORM	WET	WET	2009
2010	0.40	1.65	3.24	3.99	3.33	2.62	4.76	13.42	20.10	21.21	18.51	22.85	NORM	NORM	NORM	NORM	WET	2010
2011	1.95	1.04	5.22	3.25	5.46	0.78	0.70	19.69	21.23	28.10	16.51	9.12	WET	NORM	WET	NORM	DRY	2011
2012	0.93	3.68	2.96	2.19	1.42	1.64	0.02	17.17	16.17	11.60	9.95	4.76	WET	NORM	DRY	DRY	DRY	2012
2013	1.41	2.33	4.02	4.74	0.94	0.63	2.41	18.13	24.59	16.32	8.51	9.43	WET	WET	NORM	DRY	DRY	2013
2014	0.56	2.03	2.19	6.91	2.24	4.66	0.70	11.19	27.14	22.73	25.37	13.66	NORM	WET	NORM	WET	NORM	2014
2015	0.59	0.53	3.82	2.92	4.52	3.57	0.61	13.11	16.93	23.22	22.67	13.49	NORM	NORM	NORM	NORM	NORM	2015
2016	0.52	2.79	1.67	1.39	7.20	4.99	1.73	11.11	10.30	26.05	30.76	22.37	NORM	DRY	WET	WET	WET	2016
2017	0.47	1.80	1.89	4.11	4.11	7.11	4.11	9.74	17.91	22.44	33.66	30.66	NORM	NORM	NORM	WET	WET	2017
2018	2.03	0.63	3.36	3.61	6.31	0.89	2.38	13.37	18.18	29.51	18.90	15.23	NORM	NORM	WET	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound
March	0.68	1.44	1.76
April	1.12	2.03	2.48
May	1.78	2.83	3.42
June	2.05	3.65	4.45
July	2.26	3.64	4.40
August	2.31	3.23	3.81
Sept.	0.90	2.06	2.51
Jun-MAM	8.26	13.99	16.98
Jul-JMA	10.83	18.64	22.67
Aug-JJM	12.66	21.05	25.52
Sep-AJJ	13.50	20.62	24.68
Oct-SAJ	9.58	16.28	19.55

Normals are for 1971-2000 data

March	1.44
April	2.03
May	2.83
June	3.65
July	3.64
August	3.23
Sept.	2.06

NOTE:
Wilnot 1 ENE NWS Station (SD9337) was used for 1952; 1953; Jun-Sep 1981; Mar-Jun 1982.

Milbank 2 SSW NWS Station (SD5536) was used for 1939.

Rainfall Data
 Timber Lake
 Station #SD8307
 Dewey County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1978	0.44	4.10	2.80	3.98	2.59	4.57	0.36	17.04	21.64	18.53	22.87	12.81	WET	WET	NORM	WET	WET	1978
1980	0.35	1.00	1.22	2.09	1.54	3.31	1.12	6.01	9.71	10.02	15.10	11.52	DRY	DRY	DRY	NORM	NORM	1980
1981	0.18	0.07	1.85	3.42	3.15	5.21	1.64	5.87	14.03	18.14	25.35	18.49	DRY	NORM	NORM	WET	WET	1981
1982	2.62	1.22	9.53	2.74	1.78	0.67	0.63	33.65	28.50	20.35	8.31	5.01	WET	WET	WET	NORM	DRY	1982
1983	2.03	0.75	3.91	1.28	3.97	1.63	1.41	15.26	12.41	18.38	14.11	11.46	NORM	NORM	NORM	NORM	NORM	1983
1984	1.42	4.22	0.52	4.77	0.71	0.50	1.27	11.42	19.57	12.19	7.69	5.52	NORM	NORM	NORM	DRY	NORM	1984
1985	1.61	1.62	1.39	1.95	1.71	3.65	1.64	9.02	10.25	10.42	16.32	13.93	NORM	DRY	NORM	NORM	WET	1985
1986	0.60	4.18	4.96	1.51	2.85	0.83	2.39	23.84	18.63	16.53	9.70	11.68	WET	NORM	NORM	NORM	NORM	1986
1987	1.73	0.02	5.15	1.75	2.36	5.34	0.52	17.22	15.57	15.73	22.49	14.60	WET	NORM	NORM	WET	WET	1987
1988	0.34	1.49	2.49	5.08	0.18	0.67	0.60	10.79	21.71	13.19	7.45	3.32	NORM	WET	NORM	DRY	DRY	1988
1989	2.65	4.06	0.73	1.01	3.53	1.38	1.31	12.96	8.55	13.34	12.21	10.22	NORM	DRY	NORM	NORM	NORM	1989
1990	0.31	1.14	1.10	4.34	2.35	1.77	1.03	5.89	16.36	16.83	14.35	8.98	DRY	NORM	NORM	NORM	NORM	1990
1991	0.67	2.94	4.80	2.38	0.96	1.08	0.46	20.95	19.68	12.44	7.54	4.50	WET	NORM	NORM	DRY	DRY	1991
1992	0.75	0.41	1.28	2.82	3.94	0.95	1.01	5.41	11.43	18.74	13.55	8.87	DRY	NORM	NORM	NORM	NORM	1992
1993	0.41	0.95	2.17	6.34	6.11	0.59	0.79	8.82	24.31	33.18	20.33	9.66	NORM	WET	WET	WET	NORM	1993
1994	0.91	1.87	0.62	2.33	3.98	1.10	0.61	6.51	10.10	17.22	13.59	8.01	DRY	DRY	NORM	NORM	NORM	1994
1995	2.34	3.00	4.81	6.51	5.34	1.40	0.80	22.77	32.15	33.85	21.39	10.54	WET	WET	WET	WET	NORM	1995
1996	1.17	1.66	4.01	2.80	3.06	1.87	4.88	16.52	18.08	18.79	14.53	21.44	NORM	NORM	NORM	NORM	WET	1996
1997	0.48	3.02	1.67	2.95	3.18	1.13	0.70	11.53	15.21	17.11	12.70	7.54	NORM	NORM	NORM	NORM	NORM	1997
1998	0.33	1.01	0.81	5.51	2.06	3.25	0.41	4.78	19.16	18.01	19.38	9.79	DRY	NORM	NORM	WET	NORM	1998
1999	0.19	2.05	5.57	6.69	1.80	3.02	2.94	21.00	33.26	24.35	19.35	16.66	WET	WET	WET	WET	WET	1999
2000	3.30	2.14	2.41	3.57	2.91	0.16	0.40	14.81	17.67	18.28	9.87	4.43	NORM	NORM	NORM	NORM	DRY	2000
2001	0.20	2.23	2.45	3.33	2.98	0.42	1.65	12.01	17.12	18.05	10.55	8.77	NORM	NORM	NORM	NORM	NORM	2001
2002	0.39	0.92	0.63	1.42	1.66	1.88	0.67	4.12	6.44	8.45	10.38	7.43	DRY	DRY	DRY	NORM	NORM	2002
2003	0.97	1.48	1.92	2.65	1.96	0.56	1.39	9.69	13.27	13.10	8.25	7.25	NORM	NORM	NORM	NORM	NORM	2003
2004	1.44	0.38	2.03	2.57	1.95	1.32	3.35	8.29	12.15	13.02	10.43	14.64	NORM	NORM	NORM	NORM	WET	2004
2005	0.83	1.45	3.89	3.29	1.1	1.29	0.74	15.40	19.10	13.77	9.36	5.90	NORM	NORM	NORM	NORM	NORM	2005
2006	0.70	1.11	0.48	0.63	0.88	1.27	3.23	4.36	3.96	4.38	6.20	13.11	DRY	DRY	DRY	DRY	WET	2006
2007	2.93	1.79	2.46	3.03	2.21	2.96	0.89	13.89	15.80	15.15	16.33	10.80	NORM	NORM	NORM	NORM	NORM	2007
2008	0.74	1.21	5.50	6.90	4.42	2.59	1.41	19.66	32.91	32.56	23.51	13.83	WET	WET	WET	WET	WET	2008
2009	1.47	1.25	1.36	3.83	2.68	1.91	1.02	8.05	15.46	17.06	14.92	9.56	NORM	NORM	NORM	NORM	NORM	2009
2010	0.81	1.64	4.77	1.63	2.91	1.04	3.29	18.40	16.07	16.76	10.57	14.86	WET	NORM	NORM	NORM	WET	2010
2011	1.69	2.68	3.27	6.19	2.12	2.64	0.41	16.86	27.79	22.01	18.35	8.63	NORM	WET	WET	WET	NORM	2011
2012	0.49	3.17	2.88	2.50	2.01	0.68	0.05	15.47	16.43	13.91	8.56	3.52	NORM	NORM	NORM	NORM	DRY	2012
2013	0.58	1.31	6.97	2.44	3.31	3.96	2.92	24.11	22.57	21.78	20.94	19.99	WET	WET	WET	WET	WET	2013
2014	0.93	2.11	2.25	9.89	0.55	5.82	1.18	11.90	36.28	23.68	28.45	15.73	NORM	WET	WET	WET	WET	2014
2015	0.12	0.81	5.18	3.16	1.80	1.82	0.66	17.28	20.65	16.90	12.22	7.42	WET	NORM	NORM	NORM	NORM	2015
2016	0.72	6.05	1.12	0.98	4.26	1.26	0.48	16.18	11.23	15.86	13.28	8.22	NORM	NORM	NORM	NORM	NORM	2016
2017	0.78	0.69	0.69	2.54	1.16	2.86	1.39	4.23	9.69	9.25	13.44	11.05	DRY	DRY	DRY	NORM	NORM	2017
2018	1.36	1.70	2.77	3.64	4.79	1.09	3.37	13.07	18.16	24.42	16.49	17.08	NORM	NORM	WET	NORM	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.57	1.20	1.47	March	1.20
April	0.84	1.96	2.39	April	1.96
May	1.59	2.90	3.54	May	2.90
June	2.13	3.17	3.80	June	3.17
July	1.46	2.46	2.98	July	2.46
August	0.96	1.89	2.31	August	1.89
Sept.	0.60	1.26	1.54	Sept.	1.26
Jun-MAM	7.02	13.82	16.87		
Jul-JMA	10.41	17.27	20.87		
Aug-JJM	10.23	16.62	20.08		
Sep-AJJ	7.93	13.76	16.69		
Oct-SAJ	5.18	10.02	12.22		

Rainfall Data
Tyndall
Station #SD8472
Bon Homme County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1941	0.28	4.04	1.33	5.48	2.08	0.75	2.54	12.35	23.14	18.53	11.89	11.20	NORM	WET	NORM	NORM	NORM	1941
1952	1.13	1.37	3.28	3.48	0.81	4.79	0.83	13.71	18.37	12.67	19.47	12.88	NORM	NORM	NORM	NORM	NORM	1952
1953	1.09	4.67	4.42	4.33	4.48	2.58	1.24	23.69	26.50	26.52	21.03	13.36	WET	WET	WET	NORM	NORM	1953
1954	2.16	2.09	2.20	9.73	1.61	2.46	3.43	12.94	35.68	26.49	20.33	16.82	NORM	WET	WET	NORM	NORM	1954
1956	0.85	2.88	2.32	2.11	2.25	1.65	0.64	13.57	13.85	13.29	11.56	7.47	NORM	NORM	NORM	NORM	DRY	1956
1963	1.08	2.44	2.33	2.00	5.54	1.42	3.24	12.95	13.10	22.95	17.34	18.10	NORM	NORM	NORM	NORM	NORM	1963
1964	1.75	4.83	1.18	4.42	3.47	2.47	2.66	14.95	20.45	20.43	18.77	16.39	NORM	NORM	NORM	NORM	NORM	1964
1970	1.40	3.73	2.72	1.10	4.50	1.90	2.36	17.02	12.47	18.42	15.80	15.38	NORM	NORM	NORM	NORM	NORM	1970
1971	1.09	2.30	4.47	4.82	2.74	0.55	2.41	19.10	25.70	22.33	11.95	11.07	NORM	WET	NORM	NORM	NORM	1971
1972	0.64	2.35	7.93	3.70	6.41	2.11	1.69	29.13	29.31	34.56	22.85	15.70	WET	WET	WET	WET	NORM	1972
1973	4.24	1.83	3.88	3.37	2.62	1.65	7.71	19.54	19.70	18.48	13.56	29.05	NORM	NORM	NORM	NORM	WET	1973
1974	0.74	1.29	2.74	1.85	1.44	1.86	0.81	11.54	12.32	10.76	10.31	7.59	NORM	NORM	DRY	DRY	DRY	1974
1975	1.39	2.01	1.80	5.89	1.47	2.24	1.40	10.81	23.28	17.99	15.55	10.15	NORM	WET	NORM	NORM	NORM	1975
1976	1.25	2.98	1.49	1.06	1.98	2.96	1.80	11.68	9.14	9.55	13.90	13.30	NORM	DRY	DRY	NORM	NORM	1976
1977	4.05	2.32	3.17	5.77	4.60	2.94	4.98	18.20	25.97	28.51	23.79	25.42	NORM	WET	WET	WET	WET	1977
1978	0.41	3.99	1.84	1.90	9.24	1.52	1.69	13.91	13.37	33.36	24.94	17.35	NORM	NORM	WET	WET	NORM	1978
1980	0.66	1.00	1.05	1.71	1.53	4.56	0.29	5.81	8.23	9.06	18.45	11.52	DRY	DRY	DRY	NORM	NORM	1980
1981	1.76	0.54	1.63	2.68	7.01	2.02	1.19	7.73	11.84	28.02	22.76	14.62	DRY	DRY	WET	WET	NORM	1981
1982	0.68	1.19	10.27	2.42	2.59	1.72	0.82	33.87	28.99	22.88	12.76	8.49	WET	WET	NORM	NORM	DRY	1982
1983	2.69	1.47	2.55	3.82	5.55	0.31	1.76	13.28	18.03	26.84	15.85	11.45	NORM	NORM	WET	NORM	NORM	1983
1984	1.44	6.22	4.09	9.02	2.50	2.01	0.99	26.15	41.46	29.63	20.05	9.49	WET	WET	WET	NORM	NORM	1984
1985	1.58	4.02	2.80	3.05	1.10	5.65	2.88	18.02	18.77	12.20	22.20	21.04	NORM	NORM	DRY	WET	WET	1985
1986	2.52	5.36	3.72	4.43	1.83	1.50	7.32	24.40	26.09	18.07	12.59	26.79	WET	WET	NORM	NORM	WET	1986
1987	6.27	0.46	3.50	1.84	4.99	1.72	2.32	17.69	12.98	22.15	16.98	15.39	NORM	NORM	NORM	NORM	NORM	1987
1988	0.27	2.28	3.12	1.09	1.32	2.88	3.52	14.19	11.79	9.26	12.37	17.64	NORM	DRY	DRY	NORM	NORM	1988
1989	0.92	1.34	1.05	3.51	3.17	2.45	1.04	6.75	13.97	17.58	17.20	11.19	DRY	NORM	NORM	NORM	NORM	1989
1990	1.19	1.11	7.38	2.40	1.71	2.65	0.55	25.55	23.07	17.31	13.77	8.66	WET	NORM	NORM	NORM	NORM	1990
1991	0.74	2.21	5.51	1.73	4.24	0.95	0.70	21.69	18.42	21.69	13.06	8.24	WET	NORM	NORM	NORM	DRY	1991
1992	2.81	1.67	1.67	1.79	5.71	3.93	2.85	11.16	10.38	22.38	25.00	22.12	NORM	DRY	NORM	WET	WET	1992
1993	0.82	3.35	4.18	3.51	9.50	2.41	3.05	20.06	22.24	39.70	29.74	23.47	NORM	NORM	WET	WET	WET	1993
1994	0.15	3.08	0.81	2.86	4.14	1.71	1.56	8.74	13.28	18.95	16.27	12.24	DRY	NORM	NORM	NORM	NORM	1994
1995	3.43	5.03	7.32	0.83	3.52	4.14	2.42	35.45	22.16	19.54	20.29	19.06	WET	NORM	NORM	NORM	NORM	1995
1996	0.41	0.76	4.85	1.94	3.78	5.79	4.16	16.48	16.28	20.07	26.87	27.84	NORM	NORM	NORM	WET	WET	1996
1997	0.52	2.41	4.04	2.38	1.10	4.96	1.99	17.46	17.63	12.10	19.46	16.99	NORM	NORM	DRY	NORM	NORM	1997
1998	2.40	4.53	1.83	5.20	2.64	3.46	0.10	16.95	23.79	20.15	20.86	9.86	NORM	WET	NORM	NORM	NORM	1998
1999	1.04	4.13	1.98	4.76	4.00	0.96	3.59	15.24	22.37	23.50	15.64	16.69	NORM	NORM	NORM	NORM	NORM	1999
2000	1.21	1.72	3.46	2.03	0.92	7.00	0.68	15.03	14.73	10.28	24.87	16.96	NORM	NORM	DRY	WET	NORM	2000
2001	0.74	4.68	2.69	1.59	4.14	0.97	3.29	18.17	14.83	18.29	12.78	15.95	NORM	NORM	NORM	NORM	NORM	2001
2002	1.30	1.88	1.59	0.96	1.08	7.40	1.89	9.83	7.94	6.75	25.32	21.55	DRY	DRY	DRY	WET	WET	2002
2003	0.90	3.23	1.81	3.05	3.96	2.97	2.86	12.79	16.00	19.79	19.88	18.48	NORM	NORM	NORM	NORM	NORM	2003
2004	2.18	1.28	4.57	3.61	5.75	5.77	5.33	18.45	21.25	29.04	32.42	33.28	NORM	NORM	WET	WET	WET	2004
2005	0.72	3.76	5.14	10.42	0.7	1.16	3.04	23.66	45.30	28.08	15.30	12.14	WET	WET	WET	NORM	NORM	2005
2006	2.13	4.46	1.09	4.45	0.27	3.18	5.22	14.32	19.99	10.80	14.53	22.29	NORM	NORM	DRY	NORM	WET	2006
2007	2.54	3.66	6.94	2.87	0.45	5.17	1.50	30.68	26.15	14.03	19.28	15.29	WET	WET	NORM	NORM	NORM	2007
2008	1.13	2.18	5.93	2.84	1.56	0.48	2.19	23.28	22.56	16.29	7.40	9.09	WET	NORM	NORM	DRY	NORM	2008
2009	0.51	2.13	1.78	4.40	2.86	4.45	0.44	10.11	18.89	19.16	23.47	13.08	DRY	NORM	NORM	WET	NORM	2009
2010	1.71	2.17	2.19	8.40	7.21	4.69	4.39	12.62	31.75	40.62	36.89	29.76	NORM	WET	WET	WET	WET	2010
2011	1.03	3.14	3.64	3.39	1.35	2.51	0.26	18.23	20.59	14.47	13.62	7.15	NORM	NORM	NORM	NORM	DRY	2011
2012	0.38	3.48	3.96	0.80	0.67	0.74	0.18	19.22	13.80	7.57	4.36	2.69	NORM	NORM	DRY	DRY	DRY	2012
2013	0.82	2.79	5.97	4.30	4.12	4.41	1.49	24.31	27.63	26.93	25.77	17.41	WET	WET	WET	WET	NORM	2013
2014	0.71	1.16	1.60	5.36	1.66	4.88	1.75	7.83	20.44	17.30	23.32	16.67	DRY	NORM	NORM	WET	NORM	2014
2015	0.28	1.88	5.19	2.59	4.56	4.06	5.67	19.61	20.03	24.05	23.89	29.69	NORM	NORM	NORM	WET	WET	2015
2016	1.77	4.67	7.91	1.73	3.34	1.31	7.65	34.84	25.68	21.39	12.34	28.91	WET	WET	NORM	NORM	WET	2016
2017	0.60	2.76	4.95	1.93	1.99	4.32	2.78	20.97	18.45	14.78	18.87	18.97	NORM	NORM	NORM	NORM	NORM	2017
2018	1.87	2.73	3.26	6.91	4.52	2.90	6.02	17.11	29.98	30.64	24.65	28.38	NORM	WET	WET	WET	WET	2018

Month	30% Lower		30% Upper	
	Bound	N	Bound	
March	0.8	1.68	2.05	
April	1.54	2.54	3.08	
May	2.23	3.61	4.37	
June	2.05	3.12	3.75	
July	2.11	3.53	4.28	
August	1.61	2.68	3.25	
Sept.	1.08	2.28	2.78	
Jun-MAM	10.57	17.59	21.32	
Jul-JMA	12.15	19.12	23.07	
Aug-JJM	12.66	20.44	24.71	
Sep-AJJ	11.10	18.22	22.06	
Oct-SAJ	8.57	15.73	19.12	

Normals are for 1971-2000 data

March	1.68
April	2.54
May	3.61
June	3.12
July	3.53
August	2.68
Sept.	2.28

NOTE:

Tyndall NWS Station (SD8472) has not collected data as of 2012.
Tyndall NWS Station (SD8472) has been replaced with Tyndall NWS
Station (SD973) as of 2012.
Wagner NWS Station (SD8767) was used for Jul 1973; Mar, Apr 1976.

Rainfall Data
Vermillion 2 SE
Station #SD8622
Clay County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1932	0.85	1.12	4.89	2.72	1.47	2.01	2.05	17.76	19.06	14.74	11.69	11.64	NORM	NORM	NORM	NORM	NORM	1932
1937	1.84	4.00	2.68	3.81	0.88	9.90	0.97	17.88	20.79	12.94	35.27	23.59	NORM	NORM	DRY	WET	WET	1937
1941	0.67	4.45	2.18	4.38	2.25	1.03	5.37	16.11	21.95	17.69	11.97	20.42	NORM	NORM	NORM	NORM	WET	1941
1954	1.22	2.97	2.91	7.03	2.78	1.93	2.27	15.89	29.88	25.31	18.38	13.45	NORM	WET	NORM	NORM	NORM	1954
1956	0.30	1.74	1.93	1.45	2.33	2.02	0.75	9.57	9.95	11.82	12.17	8.62	DRY	DRY	DRY	NORM	DRY	1956
1962	3.01	1.90	5.77	5.51	4.45	2.93	2.95	24.12	29.97	30.14	23.20	19.16	WET	WET	WET	WET	NORM	1962
1965	1.36	2.03	7.13	6.33	7.48	4.57	6.03	26.81	35.28	42.23	35.00	34.71	WET	WET	WET	WET	WET	1965
1966	1.50	1.38	1.00	4.10	4.80	3.47	1.66	7.26	15.68	23.60	24.11	16.72	DRY	NORM	NORM	WET	NORM	1966
1967	0.10	1.29	3.29	7.23	1.20	4.04	1.22	12.55	29.56	21.35	21.75	12.94	NORM	WET	NORM	NORM	NORM	1967
1968	0.62	5.09	1.94	2.59	4.26	1.57	3.92	16.62	16.74	19.90	15.82	19.16	NORM	NORM	NORM	NORM	NORM	1968
1974	0.76	1.15	2.73	3.23	1.23	4.17	1.41	11.25	16.30	12.88	18.20	13.80	DRY	NORM	DRY	NORM	NORM	1974
1980	0.51	1.74	3.69	0.78	1.28	5.31	1.41	15.06	11.46	9.09	19.27	16.13	NORM	DRY	DRY	NORM	NORM	1980
1981	2.09	0.43	1.81	4.88	3.65	3.59	1.22	8.38	18.69	22.52	22.95	14.49	DRY	NORM	NORM	WET	NORM	1981
1982	0.94	1.05	6.77	1.54	2.60	1.97	1.38	23.35	19.21	17.65	12.65	10.68	WET	NORM	NORM	NORM	NORM	1982
1983	3.78	2.60	3.64	8.24	2.05	0.67	1.66	19.90	34.60	26.27	14.35	8.37	NORM	WET	WET	NORM	DRY	1983
1984	1.54	10.50	4.95	8.78	2.95	0.36	0.69	37.39	46.74	31.36	15.76	5.74	WET	WET	WET	NORM	DRY	1984
1985	2.02	5.87	2.25	3.62	1.09	1.72	4.06	20.51	21.23	12.76	10.96	16.71	NORM	NORM	DRY	DRY	NORM	1985
1986	2.27	4.54	3.67	3.50	3.02	2.69	4.42	22.36	22.38	19.73	17.61	21.66	WET	NORM	NORM	NORM	WET	1986
1987	4.89	0.48	3.00	2.97	6.96	1.38	2.57	14.85	15.39	29.82	21.03	17.43	NORM	NORM	WET	NORM	NORM	1987
1988	0.24	2.80	2.71	2.07	2.06	5.89	3.51	13.97	14.43	13.03	23.86	24.37	NORM	NORM	DRY	WET	WET	1988
1989	0.83	0.81	0.60	3.01	4.88	3.63	1.73	4.25	11.04	21.26	23.66	17.33	DRY	DRY	NORM	WET	NORM	1989
1990	1.96	1.41	8.33	2.01	1.60	1.85	1.89	29.77	24.10	17.15	10.76	10.97	WET	NORM	NORM	DRY	NORM	1990
1991	1.00	3.14	3.18	4.14	2.02	1.89	2.25	16.82	21.92	17.52	13.85	12.55	NORM	NORM	NORM	NORM	NORM	1991
1992	2.68	1.83	4.94	3.56	5.75	5.03	3.80	21.16	22.39	29.31	30.15	27.21	NORM	NORM	WET	WET	WET	1992
1993	1.41	2.98	4.08	3.66	6.68	4.75	2.21	19.61	22.12	31.44	31.27	22.81	NORM	NORM	WET	WET	WET	1993
1994	0.00	3.10	1.80	3.53	3.68	2.16	2.70	11.60	17.29	19.90	17.37	16.10	NORM	NORM	NORM	NORM	NORM	1994
1995	4.21	5.08	6.44	2.57	2.43	3.56	2.08	33.69	25.67	18.87	18.11	15.79	WET	WET	NORM	NORM	NORM	1995
1996	1.22	1.05	4.76	2.37	5.75	2.00	7.07	17.60	17.68	26.75	19.87	30.96	NORM	NORM	WET	NORM	WET	1996
1997	0.33	2.06	3.90	1.75	3.51	1.11	3.73	16.15	15.11	17.93	12.10	16.92	NORM	NORM	NORM	NORM	NORM	1997
1998	2.57	6.59	2.30	6.55	4.11	4.78	0.94	22.65	30.84	27.73	29.11	16.49	WET	WET	WET	WET	NORM	1998
1999	0.55	5.17	3.41	9.13	5.12	0.79	0.39	21.12	39.38	37.03	21.74	7.87	NORM	WET	WET	NORM	DRY	1999
2000	1.05	1.93	3.12	2.87	0.64	4.62	1.49	14.27	16.78	10.78	18.01	14.35	NORM	NORM	DRY	NORM	NORM	2000
2001	0.41	5.66	3.99	1.53	5.27	0.81	3.44	23.70	18.23	22.86	14.50	17.21	WET	NORM	NORM	NORM	NORM	2001
2002	1.12	1.83	5.21	1.39	4.14	5.68	1.03	20.41	16.42	20.41	26.71	18.59	NORM	NORM	NORM	WET	NORM	2002
2003	2.08	2.12	2.77	5.34	1.56	1.20	7.25	14.63	23.68	18.13	12.06	25.71	NORM	NORM	NORM	NORM	WET	2003
2004	3.31	1.81	8.29	3.51	0.77	2.11	4.38	31.80	28.92	17.62	11.38	18.13	WET	WET	NORM	DRY	NORM	2004
2005	1.21	5.04	4.52	8.48	1.37	3.33	3.88	24.85	39.52	25.59	21.21	19.67	WET	WET	WET	NORM	NORM	2005
2006	2.82	3.62	0.85	2.78	1.06	2.95	5.97	12.61	13.66	9.59	13.75	24.87	NORM	NORM	DRY	NORM	WET	2006
2007	1.81	3.85	2.61	1.03	0.70	4.47	3.98	17.34	12.16	6.77	15.84	21.58	NORM	DRY	DRY	NORM	WET	2007
2008	1.21	2.32	6.11	3.42	3.95	1.00	1.97	24.18	24.80	24.80	14.32	11.86	WET	NORM	NORM	NORM	NORM	2008
2009	1.34	2.28	1.76	3.70	7.25	1.43	1.72	11.18	16.90	30.91	22.49	15.27	DRY	NORM	WET	NORM	NORM	2009
2010	1.08	2.21	1.50	7.26	11.99	2.69	5.11	10.00	26.99	51.99	39.31	32.70	DRY	WET	WET	WET	WET	2010
2011	0.61	3.83	3.06	5.09	1.32	3.33	1.93	17.45	25.22	17.20	17.72	13.77	NORM	NORM	NORM	NORM	NORM	2011
2012	0.39	4.55	4.73	0.62	0.21	0.79	0.82	23.68	15.87	6.60	3.41	4.25	WET	NORM	DRY	DRY	DRY	2012
2013	0.64	2.54	3.32	2.33	1.52	4.13	1.05	15.68	16.17	12.54	17.76	12.93	NORM	NORM	DRY	NORM	NORM	2013
2014	0.21	1.51	1.22	11.36	3.04	5.70	2.44	6.89	38.03	33.06	34.54	21.76	DRY	WET	WET	WET	WET	2014
2015	0.19	1.34	3.28	3.28	6.05	3.15	1.88	12.71	17.74	27.99	24.83	17.99	NORM	NORM	WET	WET	NORM	2015
2016	1.33	6.75	4.17	3.83	2.40	2.58	6.02	27.34	26.58	19.03	16.37	25.62	WET	WET	NORM	NORM	WET	2016
2017	1.70	2.91	5.37	1.23	1.59	5.12	3.19	23.63	17.34	12.60	19.77	21.40	WET	NORM	DRY	NORM	WET	2017
2018	1.44	1.56	3.71	15.03	4.54	2.53	4.07	15.69	54.07	47.39	31.70	21.81	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.8	1.80	2.22	March	1.80
April	1.50	2.76	3.37	April	2.76
May	2.56	3.74	4.45	May	3.74
June	2.25	3.61	4.36	June	3.61
July	2.13	3.40	4.11	July	3.40
August	1.66	2.82	3.42	August	2.82
Sept.	1.39	2.41	2.94	Sept.	2.41
Jun-MAM	11.48	18.54	22.31		
Jul-JMA	13.37	21.07	25.35		
Aug-JJM	13.45	21.16	25.50		
Sep-AJJ	11.49	18.87	22.84		
Oct-SAJ	9.62	16.27	19.77		

NOTE:
Yankton 2 E NWS Station (SD9502) was used for Jun, Jul 1985.
Centerville 6 SE NWS Station (SD1579) was used for Sep 1968.

Rainfall Data
Victor 4 NNE
Station #SD8652
Roberts County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1952	1.19	1.35	1.09	2.61	1.70	3.00	0.79	7.16	11.36	11.41	15.01	10.07	DRY	NORM	DRY	NORM	NORM	1952
1953	0.64	3.97	3.88	6.16	1.62	2.59	0.25	20.22	30.21	21.06	17.17	7.55	WET	WET	NORM	NORM	DRY	1953
1962	1.39	2.46	10.01	4.89	8.86	1.34	2.63	36.34	37.15	46.37	26.63	19.43	WET	WET	WET	WET	WET	1962
1970	1.41	3.41	3.40	2.11	2.25	0.07	1.55	18.43	16.54	14.37	6.82	7.04	WET	NORM	NORM	DRY	DRY	1970
1971	0.10	1.14	1.27	6.29	2.00	3.04	0.89	6.19	22.55	19.85	19.41	10.75	DRY	WET	NORM	NORM	NORM	1971
1977	3.30	2.38	2.28	4.38	2.77	2.83	3.65	14.90	20.08	19.35	18.41	19.38	NORM	NORM	NORM	NORM	WET	1977
1978	0.21	2.29	2.51	6.65	5.42	1.18	1.16	12.32	27.26	32.07	21.03	11.26	NORM	WET	WET	NORM	NORM	1978
1980	0.61	0.14	1.13	2.89	0.89	2.99	3.95	4.28	11.07	9.58	13.64	18.72	DRY	NORM	DRY	NORM	WET	1980
1981	0.64	1.46	1.85	5.16	2.87	1.56	0.73	9.11	20.64	20.78	15.58	8.18	NORM	NORM	NORM	NORM	NORM	1981
1982	1.60	0.12	0.67	1.58	0.95	0.53	3.17	3.85	6.20	6.68	5.07	11.52	DRY	DRY	DRY	DRY	NORM	1982
1983	2.43	0.23	0.55	2.36	2.26	5.14	1.72	4.54	8.41	12.05	22.30	17.70	DRY	DRY	NORM	WET	NORM	1983
1984	1.60	2.41	1.13	5.34	1.54	1.73	1.23	9.81	20.69	16.43	13.61	8.69	NORM	NORM	NORM	NORM	NORM	1984
1985	1.33	1.36	5.26	3.12	1.98	3.14	2.05	19.83	21.24	17.44	16.50	14.41	WET	NORM	NORM	NORM	NORM	1985
1986	0.81	6.62	3.44	3.91	5.75	3.43	9.68	24.37	25.23	28.51	25.70	41.65	WET	WET	WET	WET	WET	1986
1987	1.33	0.12	2.13	0.91	4.49	1.57	2.59	7.96	7.11	17.42	14.60	15.40	NORM	DRY	NORM	NORM	NORM	1987
1988	0.52	0.53	2.87	1.61	4.00	5.50	2.56	10.19	11.10	18.09	26.11	22.68	NORM	NORM	NORM	WET	WET	1988
1989	1.36	1.91	1.57	1.42	6.75	2.80	2.61	9.89	9.31	24.66	23.32	20.18	NORM	DRY	WET	WET	WET	1989
1990	1.32	2.13	1.60	4.64	1.67	3.38	2.55	10.38	19.25	15.89	18.12	16.08	NORM	NORM	NORM	NORM	NORM	1990
1991	1.81	3.76	4.40	8.06	3.25	3.01	2.47	22.53	36.74	30.27	23.59	16.68	WET	WET	WET	WET	NORM	1991
1992	0.83	1.61	2.15	5.21	2.31	1.59	2.16	10.50	21.54	19.50	14.60	11.97	NORM	NORM	NORM	NORM	NORM	1992
1993	1.36	2.02	3.96	6.70	6.81	2.13	1.43	17.28	30.04	37.79	26.71	15.36	WET	WET	WET	WET	NORM	1993
1994	0.49	2.99	2.04	1.05	11.07	1.68	1.75	12.59	10.22	37.35	28.23	19.68	NORM	DRY	WET	WET	WET	1994
1995	3.63	1.95	3.52	1.65	4.35	3.85	2.70	18.09	13.94	19.87	21.90	20.15	WET	NORM	NORM	WET	WET	1995
1996	1.47	0.33	3.87	2.33	2.10	0.34	2.40	13.74	15.06	14.83	7.55	9.98	NORM	NORM	NORM	DRY	NORM	1996
1997	1.25	2.86	1.87	1.83	2.49	3.43	1.75	12.58	12.09	13.00	17.10	14.60	NORM	NORM	NORM	NORM	NORM	1997
1998	1.22	2.71	5.15	5.88	1.98	1.32	0.33	22.09	30.65	22.85	13.80	5.61	WET	WET	NORM	NORM	DRY	1998
1999	1.27	1.88	3.08	5.32	3.29	3.42	2.78	14.27	24.00	23.59	22.16	18.47	NORM	WET	NORM	WET	WET	1999
2000	1.03	1.84	2.59	2.83	5.13	0.51	1.33	12.48	15.51	23.64	14.62	10.14	NORM	NORM	NORM	NORM	NORM	2000
2001	0.41	3.70	2.52	5.34	3.32	2.64	3.14	15.37	24.76	23.16	19.90	18.02	NORM	WET	NORM	NORM	WET	2001
2002	1.00	1.75	2.52	2.73	4.73	4.72	0.99	12.06	14.98	22.17	26.35	17.14	NORM	NORM	NORM	WET	NORM	2002
2003	0.47	2.10	3.82	6.02	1.60	0.51	1.93	16.13	27.80	20.66	10.75	8.41	WET	WET	NORM	NORM	NORM	2003
2004	1.03	1.01	7.38	3.21	4.15	2.42	6.21	25.19	25.40	26.25	18.77	27.62	WET	WET	WET	NORM	WET	2004
2005	0.06	1.13	2.83	8.34	3.32	5.79	3.33	10.81	31.81	29.47	32.35	24.89	NORM	WET	WET	WET	WET	2005
2006	1.20	2.54	2.49	1.54	1.60	4.78	6.14	13.75	12.14	10.37	19.08	29.58	NORM	NORM	DRY	NORM	WET	2006
2007	2.52	4.04	4.38	5.99	2.19	2.93	1.97	23.74	30.77	22.93	19.16	13.96	WET	WET	NORM	NORM	NORM	2007
2008	0.91	3.37	1.79	5.40	0.96	4.15	6.25	13.02	23.15	15.47	19.77	28.01	NORM	WET	NORM	NORM	WET	2008
2009	2.65	1.61	1.69	2.62	1.11	1.53	2.94	10.94	12.85	10.26	9.43	12.99	NORM	NORM	DRY	DRY	NORM	2009
2010	1.40	2.60	2.88	4.43	2.42	2.17	8.04	15.24	21.65	19.00	15.78	30.88	NORM	NORM	NORM	NORM	WET	2010
2011	1.30	1.97	3.29	4.11	8.52	4.30	0.37	15.11	20.88	37.07	34.05	18.23	NORM	NORM	WET	WET	WET	2011
2012	0.75	4.11	1.41	4.40	5.09	2.33	0.06	13.20	20.13	25.48	21.57	9.93	NORM	NORM	WET	NORM	NORM	2012
2013	2.55	1.78	2.75	8.97	2.63	0.72	3.80	14.36	34.19	28.58	16.39	15.47	NORM	WET	WET	NORM	NORM	2013
2014	0.32	4.55	2.53	5.64	3.76	4.53	1.04	17.01	26.53	25.09	26.75	15.94	WET	WET	WET	WET	NORM	2014
2015	0.47	0.69	7.50	3.25	2.06	1.94	0.68	24.35	25.44	20.18	13.19	7.98	WET	WET	NORM	NORM	NORM	2015
2016	0.26	2.26	1.33	0.77	4.33	3.22	2.89	8.77	7.23	15.86	19.09	19.44	NORM	DRY	NORM	NORM	WET	2016
2017	0.21	2.37	1.26	2.38	0.75	4.57	3.87	8.73	12.03	8.27	17.59	21.50	NORM	NORM	DRY	NORM	WET	2017
2018	2.94	0.68	1.44	3.48	5.47	2.34	1.40	8.62	14.00	24.81	21.44	14.35	NORM	NORM	WET	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.76	1.31	1.59	March	1.31
April	0.84	1.88	2.29	April	1.88
May	1.80	2.69	3.22	May	2.69
June	1.94	3.59	4.37	June	3.59
July	2.06	3.45	4.19	July	3.45
August	1.32	2.42	2.95	August	2.42
Sept.	1.06	2.13	2.60	Sept.	2.13
Jun-MAM	7.84	13.14	15.83		
Jul-JMA	10.26	18.03	21.84		
Aug-JJM	11.86	20.22	24.53		
Sep-AJJ	10.02	17.75	21.60		
Oct-SAJ	7.88	14.68	17.89		

Rainfall Data
Wagner
Station #SD8767
Charles Mix County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1956	0.57	3.5	2.05	1.24	2.04	1.59	0.53	13.72	11.32	10.65	10.09	6.81	NORM	DRY	DRY	DRY	DRY	1956
1963	1.28	1.53	1.23	2.47	9.24	1.63	2.92	8.03	11.4	33.89	25.84	21.26	DRY	DRY	WET	WET	WET	1963
1964	1.64	3.69	1.13	4.87	2.91	1.59	2.3	12.41	20.56	19.6	15.46	12.99	NORM	NORM	NORM	NORM	NORM	1964
1969	0.51	1.08	1.78	2.54	4.89	2.25	2.08	8.01	12.26	21.53	19.07	15.63	DRY	DRY	NORM	NORM	NORM	1969
1976	1.25	2.98	2.81	1.97	1.77	1.72	2.57	15.64	14.51	12.06	10.67	12.92	NORM	NORM	DRY	DRY	NORM	1976
1978	0.28	4.94	3.33	2.42	6.04	2.96	2.15	20.15	18.86	26.29	23.38	18.41	NORM	NORM	WET	WET	NORM	1978
1980	0.88	0.66	2.32	1.36	1.89	4.93	0.25	9.16	9.38	10.71	19.93	12.50	DRY	DRY	DRY	NORM	NORM	1980
1981	1.83	0.53	2.27	3.07	5.15	0.87	2.33	9.70	14.28	23.86	15.98	13.88	DRY	NORM	NORM	NORM	NORM	1981
1982	1.04	1.56	13.40	2.91	1.06	1.30	1.41	44.36	37.09	22.40	8.93	7.89	WET	WET	NORM	DRY	DRY	1982
1983	3.48	1.38	3.03	6.41	2.13	0.95	1.13	15.33	26.67	22.24	13.52	7.42	NORM	WET	NORM	NORM	DRY	1983
1984	1.71	6.12	3.29	6.36	3.02	2.24	0.87	23.82	31.78	25.07	19.12	10.11	WET	WET	WET	NORM	NORM	1984
1985	1.74	3.35	5.88	2.54	2.01	5.01	2.26	26.08	22.73	16.99	21.59	18.81	WET	NORM	NORM	WET	NORM	1985
1986	1.99	7.02	3.19	3.50	2.05	0.81	6.09	25.60	23.90	16.34	10.03	21.94	WET	NORM	NORM	DRY	WET	1986
1987	8.00	0.39	1.60	1.58	5.08	2.71	4.52	13.58	8.33	20.00	19.87	24.06	NORM	DRY	NORM	NORM	WET	1987
1988	0.36	3.28	4.68	2.63	2.00	2.32	5.64	20.96	20.53	15.94	13.59	23.56	NORM	NORM	NORM	NORM	WET	1988
1989	0.94	0.93	1.59	4.38	3.02	1.24	1.44	7.57	17.25	19.41	14.14	9.82	DRY	NORM	NORM	NORM	NORM	1989
1990	1.47	1.77	5.69	1.88	1.11	1.70	0.34	22.08	18.79	12.78	9.20	5.53	NORM	NORM	DRY	DRY	DRY	1990
1991	0.72	2.28	4.28	1.60	2.85	1.86	2.27	18.12	15.64	16.03	12.88	13.38	NORM	NORM	NORM	NORM	NORM	1991
1992	2.75	1.82	1.79	2.49	4.21	4.87	2.64	11.76	12.87	19.40	25.52	21.87	DRY	DRY	NORM	WET	WET	1992
1993	0.87	3.53	5.01	3.44	8.41	4.09	3.27	22.96	23.87	37.12	32.53	26.40	NORM	NORM	WET	WET	WET	1993
1994	0.36	3.68	2.01	3.74	5.05	4.34	1.41	13.75	18.92	24.64	26.86	17.96	NORM	NORM	WET	WET	NORM	1994
1995	3.44	5.75	6.32	0.87	2.03	4.59	3.87	33.90	21.00	14.15	18.70	22.82	WET	NORM	NORM	NORM	WET	1995
1996	0.52	1.45	6.32	3.33	1.39	4.17	5.42	22.38	24.08	17.15	18.62	25.99	NORM	NORM	NORM	NORM	WET	1996
1997	0.49	3.16	3.32	2.83	2.26	4.85	2.11	16.77	18.29	15.76	21.90	18.29	NORM	NORM	NORM	WET	NORM	1997
1998	2.93	4.69	1.41	5.36	3.97	2.82	0.94	16.54	23.59	24.04	21.76	12.43	NORM	NORM	WET	WET	NORM	1998
1999	0.91	4.05	5.26	4.83	3.62	0.56	3.88	24.79	29.06	25.78	13.75	16.38	WET	WET	WET	NORM	NORM	1999
2000	1.09	1.70	5.38	1.56	1.77	2.41	0.62	20.63	17.14	13.81	12.33	8.45	NORM	NORM	NORM	NORM	DRY	2000
2001	0.79	8.56	3.02	4.24	2.35	2.13	3.38	26.97	27.32	18.55	15.33	16.75	WET	WET	NORM	NORM	NORM	2001
2002	1.23	1.73	2.24	0.93	1.73	3.99	3.49	11.41	9.00	9.29	16.36	20.18	DRY	DRY	DRY	NORM	WET	2002
2003	0.60	3.17	2.92	3.84	2.95	0.59	1.33	15.70	20.53	19.45	11.51	8.12	NORM	NORM	NORM	NORM	DRY	2003
2004	2.10	2.20	3.91	3.08	2.30	1.06	6.23	18.23	19.26	16.97	10.86	23.11	NORM	NORM	NORM	DRY	WET	2004
2005	1.13	3.06	4.77	8.23	0.79	0.4	4.26	21.56	37.29	23.60	11.01	14.37	NORM	WET	NORM	DRY	NORM	2005
2006	2.92	3.56	0.87	3.34	0.35	3.13	6.09	12.65	15.32	8.60	13.43	24.88	NORM	NORM	DRY	NORM	WET	2006
2007	3.07	3.72	3.62	4.06	0.05	6.16	3.41	21.37	23.14	11.89	22.64	22.60	NORM	NORM	DRY	WET	WET	2007
2008	1.19	1.90	3.47	4.15	2.48	1.27	1.65	15.40	21.29	19.21	12.92	9.97	NORM	NORM	NORM	NORM	NORM	2008
2009	0.86	1.52	1.87	4.66	2.87	4.26	0.99	9.51	19.24	19.80	23.18	14.36	DRY	NORM	NORM	WET	NORM	2009
2010	0.83	1.69	2.63	8.75	3.17	4.28	6.83	12.10	33.20	29.64	27.93	32.22	DRY	WET	WET	WET	WET	2010
2011	1.05	1.07	4.00	3.89	2.03	2.31	0.23	15.19	20.74	17.87	14.88	7.34	NORM	NORM	NORM	NORM	DRY	2011
2012	0.44	4.76	1.77	0.70	0.70	0.82	0.45	15.27	10.40	5.27	4.56	3.69	NORM	DRY	DRY	DRY	DRY	2012
2013	1.20	3.48	4.97	4.78	2.87	2.96	1.78	23.07	27.76	23.14	19.40	14.13	NORM	WET	NORM	NORM	NORM	2013
2014	1.85	0.74	1.25	6.90	0.51	5.98	0.96	7.08	23.94	16.58	25.86	15.35	DRY	NORM	NORM	WET	NORM	2014
2015	0.05	1.45	3.97	2.19	4.43	2.02	5.55	14.86	15.96	21.64	17.11	25.12	NORM	NORM	NORM	NORM	WET	2015
2016	1.02	5.76	8.33	2.08	3.84	1.24	1.43	37.53	28.66	24.01	13.48	10.61	WET	WET	WET	NORM	NORM	2016
2017	0.09	1.21	3.84	0.86	2.37	5.63	4.72	14.03	11.47	12.67	22.49	27.79	NORM	DRY	DRY	WET	WET	2017
2018	1.80	1.98	2.96	6.19	7.71	3.08	4.65	14.64	26.47	38.47	30.85	27.82	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.88	1.79	2.19	March	1.79
April	1.61	2.78	3.38	April	2.78
May	2.72	4.03	4.82	May	4.03
June	2.32	3.32	3.94	June	3.32
July	2.06	3.13	3.75	July	3.13
August	1.56	2.73	3.32	August	2.73
Sept.	1.39	2.59	3.16	Sept.	2.59

NOTE:

Wagner NWS Station (SD8767) has not collected data as of 2011.

Pickstown NWS Station (SD6574) was used for May-Sep 2011; 2012 - 2016; Mar 2017.

Gross 1 E NWS Station (NE3478) was used for Apr 2017.

Pickstown 4 SSW NWS Station (SD6575) was used for May-Sep 2017; 2018.

Jun-MAM	12.26	19.44	23.41
Jul-JMA	14.01	20.80	24.84
Aug-JJM	13.54	20.06	23.95
Sep-AJJ	11.12	17.77	21.40
Oct-SAJ	9.35	16.36	19.87

Rainfall Data
Wasta
Station #SD8911
Pennington County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1980	0.62	0.98	1.37	2.61	1.37	2.11	0.45	6.69	11.55	10.70	11.68	6.94	DRY	NORM	NORM	NORM	NORM	1980
1981	0.00	0.08	2.04	2.17	3.03	0.54	1.16	6.28	10.67	15.47	9.85	7.59	DRY	NORM	NORM	NORM	NORM	1981
1982	2.04	0.55	9.85	1.31	2.82	4.20	1.87	32.69	24.18	20.93	19.55	16.83	WET	WET	WET	WET	WET	1982
1983	0.87	1.27	2.64	3.54	0.77	3.19	0.36	11.33	17.17	12.03	14.65	8.23	NORM	NORM	NORM	NORM	NORM	1983
1984	0.05	2.85	1.74	3.85	1.37	3.35	0.25	10.97	17.88	13.55	16.64	8.82	NORM	NORM	NORM	WET	NORM	1984
1985	1.11	0.77	0.55	2.37	0.74	0.76	1.84	4.30	8.98	7.51	6.13	7.78	DRY	DRY	DRY	DRY	NORM	1985
1986	0.81	4.77	1.64	3.57	1.40	0.96	4.41	15.27	18.76	12.98	9.25	16.55	NORM	NORM	NORM	NORM	WET	1986
1987	1.78	0.00	4.96	0.45	1.03	1.91	0.38	16.66	11.27	8.95	8.24	5.99	NORM	NORM	NORM	NORM	NORM	1987
1988	2.10	0.65	3.22	1.93	0.80	1.02	0.83	13.06	12.88	9.48	6.59	5.33	NORM	NORM	NORM	DRY	NORM	1988
1989	1.26	0.78	1.00	0.63	0.98	1.68	3.17	5.82	4.67	5.20	7.63	13.85	DRY	DRY	DRY	NORM	WET	1989
1990	0.85	0.70	2.89	1.78	2.49	1.62	0.88	10.92	11.82	13.92	11.62	8.37	NORM	NORM	NORM	NORM	NORM	1990
1991	0.34	2.04	6.01	3.89	1.39	1.96	1.58	22.45	25.73	17.96	12.55	10.05	WET	WET	NORM	NORM	NORM	1991
1992	1.34	0.68	2.33	3.84	3.94	0.73	0.33	9.69	16.86	21.83	13.91	6.39	NORM	NORM	WET	NORM	NORM	1992
1993	0.69	2.82	3.76	4.12	4.98	1.07	1.65	17.61	22.70	26.94	17.29	12.07	WET	WET	WET	WET	WET	1993
1994	0.39	3.45	0.43	2.27	1.12	1.95	0.00	8.58	11.12	8.33	10.36	5.02	NORM	NORM	DRY	NORM	NORM	1994
1995	1.18	2.22	5.38	3.58	1.56	0.45	0.46	21.76	23.72	17.22	8.05	3.84	WET	WET	NORM	NORM	DRY	1995
1996	1.49	2.35	7.48	1.16	0.95	2.00	2.83	28.63	20.79	12.65	9.06	13.44	WET	WET	NORM	NORM	WET	1996
1997	0.55	2.40	4.71	2.23	8.07	1.09	0.92	19.48	18.51	33.38	21.64	13.01	WET	NORM	WET	WET	WET	1997
1998	1.69	0.36	4.45	6.20	1.52	2.07	0.60	15.76	27.86	21.41	15.45	7.46	NORM	WET	WET	WET	NORM	1998
1999	1.10	3.35	2.61	4.39	0.96	3.33	1.49	15.63	21.74	14.27	16.30	12.09	NORM	WET	NORM	WET	WET	1999
2000	2.13	6.04	1.75	1.88	3.29	0.34	0.33	19.46	15.18	15.38	9.48	4.96	WET	NORM	NORM	NORM	NORM	2000
2001	0.54	1.83	1.70	3.45	2.76	1.17	0.84	9.30	15.58	16.88	12.48	7.62	NORM	NORM	NORM	NORM	NORM	2001
2002	0.00	1.52	1.72	0.48	1.63	1.77	1.57	8.20	6.40	7.57	9.05	9.88	NORM	DRY	DRY	NORM	NORM	2002
2003	1.82	2.35	1.54	2.88	1.39	0.15	2.11	11.14	14.07	11.47	6.11	8.02	NORM	NORM	NORM	DRY	NORM	2003
2004	1.35	0.24	4.65	1.42	1.61	1.26	3.45	15.78	13.80	12.32	8.42	14.48	NORM	NORM	NORM	NORM	WET	2004
2005	1.15	1.02	4.86	2.87	1.07	1.55	1.01	17.77	19.35	13.81	9.66	7.20	WET	NORM	NORM	NORM	NORM	2005
2006	1.51	2.31	1.28	0.66	0.63	1.35	2.18	9.97	6.85	4.49	5.97	9.87	NORM	DRY	DRY	DRY	NORM	2006
2007	1.25	2.10	2.30	1.97	1.12	2.69	1.38	12.35	12.61	9.60	12.28	10.64	NORM	NORM	NORM	NORM	NORM	2007
2008	0.67	1.31	5.76	4.62	3.16	1.61	0.58	20.57	26.69	24.48	15.77	8.12	WET	WET	WET	WET	NORM	2008
2009	1.53	2.90	0.90	3.03	1.71	2.20	0.64	10.03	13.79	12.09	13.05	8.03	NORM	NORM	NORM	NORM	NORM	2009
2010	0.34	3.26	4.96	5.40	1.15	0.92	1.76	21.74	29.38	19.21	10.46	8.27	WET	WET	WET	NORM	NORM	2010
2011	1.01	1.76	5.09	2.17	2.90	1.82	1.30	19.80	18.45	18.13	13.43	10.44	WET	NORM	NORM	NORM	NORM	2011
2012	0.04	2.08	1.46	1.68	0.82	0.79	0.00	8.58	10.04	7.28	5.69	2.40	NORM	NORM	DRY	DRY	DRY	2012
2013	0.67	2.09	2.02	2.25	1.25	3.45	1.64	10.91	12.88	10.27	15.10	13.07	NORM	NORM	NORM	WET	WET	2013
2014	0.42	1.78	3.29	4.45	0.81	2.22	1.97	13.85	21.71	14.62	12.73	11.16	NORM	WET	NORM	NORM	WET	2014
2015	0.01	0.50	1.89	4.92	0.61	3.60	0.25	6.68	19.04	13.56	16.94	8.56	DRY	NORM	NORM	WET	NORM	2015
2016	1.17	2.80	2.42	0.93	2.23	1.85	1.37	14.03	10.43	10.97	10.94	10.04	NORM	NORM	NORM	NORM	NORM	2016
2017	0.60	1.69	1.77	0.57	0.88	0.46	0.96	9.29	6.94	5.55	3.71	4.68	NORM	DRY	DRY	DRY	NORM	2017
2018	1.68	1.24	2.92	4.88	2.12	0.78	0.97	12.92	21.72	19.04	11.46	6.59	NORM	WET	WET	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.49	1.10	1.35	March	1.10
April	0.92	1.95	2.40	April	1.95
May	1.74	3.05	3.71	May	3.05
June	1.56	2.68	3.25	June	2.68
July	1.24	2.17	2.64	July	2.17
August	0.96	1.68	2.04	August	1.68
Sept.	0.34	1.12	1.37	Sept.	1.12

NOTE:

Elm Springs 3 ESE NWS Station (SD2647) was used for Mar 2000; 2003-2005; Mar-Aug 2006; Jun 2008; May, Jul 2012.

Jun-MAM	7.55	14.15	17.28
Jul-JMA	9.08	16.09	19.57
Aug-JJM	8.58	14.92	18.13
Sep-AJJ	6.92	12.06	14.65
Oct-SAJ	4.18	8.89	10.83

Rainfall Data
Watertown Regional AP
Station #SD8932
Codington County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1939	0.24	1.17	3.91	6.11	2.46	2.79	0.73	14.31	27.32	23.51	19.40	10.23	NORM	WET	WET	NORM	NORM	1939
1953	0.50	3.86	1.77	8.15	7.77	1.19	0.12	13.53	31.85	41.38	27.26	10.51	NORM	WET	WET	WET	NORM	1953
1958	0.44	1.46	1.34	1.73	1.35	0.77	1.28	7.38	9.33	8.85	6.74	6.73	DRY	DRY	DRY	DRY	DRY	1958
1965	2.67	3.14	6.41	2.89	2.02	1.39	4.36	28.18	24.63	18.25	11.10	17.88	WET	WET	NORM	DRY	WET	1965
1971	0.15	2.64	2.12	6.08	0.78	5.08	1.63	11.79	25.12	16.62	22.88	15.83	NORM	WET	NORM	WET	NORM	1971
1974	1.43	1.22	3.37	1.45	2.09	3.70	0.22	13.98	12.31	12.54	16.73	10.15	NORM	NORM	NORM	NORM	NORM	1974
1977	3.94	3.05	0.89	8.30	3.58	4.55	5.66	12.71	29.73	28.23	29.11	29.66	NORM	WET	WET	WET	WET	1977
1978	0.75	3.38	5.15	2.26	2.08	2.43	2.32	22.96	20.46	15.91	13.71	13.90	WET	NORM	NORM	NORM	NORM	1978
1979	1.88	3.14	2.17	5.78	3.10	5.21	0.53	14.67	24.82	23.03	27.61	15.11	NORM	WET	NORM	WET	NORM	1979
1980	0.81	0.43	1.56	6.75	1.61	3.47	0.50	6.35	23.80	19.89	20.38	10.05	DRY	WET	NORM	NORM	NORM	1980
1981	1.31	1.02	0.87	2.15	4.24	0.87	0.31	5.96	9.21	17.89	13.24	6.91	DRY	DRY	NORM	NORM	DRY	1981
1982	0.65	0.83	5.11	2.10	4.08	1.18	2.44	17.64	17.35	21.55	13.80	13.76	WET	NORM	NORM	NORM	NORM	1982
1983	2.60	0.76	1.56	2.41	1.64	2.55	2.53	8.80	11.11	11.30	13.34	14.33	NORM	NORM	DRY	NORM	NORM	1983
1984	1.34	3.03	2.30	5.28	2.38	3.46	1.29	14.30	23.47	20.00	20.42	13.17	NORM	WET	NORM	NORM	NORM	1984
1985	2.22	1.99	1.27	1.57	2.95	3.62	5.35	10.01	9.24	13.26	18.33	26.24	NORM	DRY	NORM	NORM	WET	1985
1986	0.54	5.45	4.41	4.87	5.10	3.05	3.35	24.67	28.88	29.45	24.22	21.25	WET	WET	WET	WET	WET	1986
1987	2.01	0.80	1.28	0.69	4.09	4.68	1.82	7.45	5.43	14.93	22.91	18.91	DRY	DRY	NORM	WET	WET	1987
1988	0.69	0.88	2.66	0.65	2.75	2.89	2.67	10.43	8.15	12.21	14.82	16.54	NORM	DRY	NORM	NORM	NORM	1988
1989	1.67	1.88	1.27	1.94	2.39	3.40	1.37	9.24	10.24	12.32	16.92	13.30	NORM	DRY	NORM	NORM	NORM	1989
1990	1.05	1.00	2.08	6.74	2.15	2.31	1.03	9.29	25.38	22.01	17.97	9.86	NORM	WET	NORM	NORM	NORM	1990
1991	0.38	4.41	5.77	11.37	1.85	3.69	2.09	26.51	50.06	34.06	26.14	15.50	WET	WET	WET	WET	NORM	1991
1992	0.93	1.32	0.41	7.22	3.21	2.15	2.16	4.80	23.80	24.48	20.09	13.99	DRY	WET	WET	NORM	NORM	1992
1993	0.59	1.74	2.28	5.59	5.05	2.42	2.99	10.91	23.07	28.61	22.95	18.86	NORM	NORM	WET	WET	WET	1993
1994	0.29	1.79	1.83	7.48	4.96	4.49	1.86	9.36	27.89	31.67	30.87	19.52	NORM	WET	WET	WET	WET	1994
1995	2.11	2.49	3.55	2.29	3.82	2.21	3.75	17.74	16.46	19.59	16.56	19.49	WET	NORM	NORM	NORM	WET	1995
1996	0.27	0.29	5.03	1.57	1.64	3.04	2.82	15.94	15.06	13.09	13.97	16.18	WET	NORM	NORM	NORM	NORM	1996
1997	1.02	2.40	2.11	1.30	3.56	2.02	0.99	12.15	10.52	15.39	14.48	10.57	NORM	DRY	NORM	NORM	NORM	1997
1998	0.40	2.17	2.91	1.62	2.69	4.06	0.13	13.47	12.85	14.22	19.18	11.20	NORM	NORM	NORM	NORM	NORM	1998
1999	0.57	1.55	2.41	5.45	1.65	1.48	2.22	10.90	22.72	18.26	13.19	11.27	NORM	NORM	NORM	NORM	NORM	1999
2000	0.72	1.55	2.51	3.89	4.11	1.31	1.10	11.35	18.24	22.62	16.04	10.03	NORM	NORM	NORM	NORM	NORM	2000
2001	1.05	6.48	2.60	2.75	3.37	0.50	2.33	21.81	19.93	18.21	10.99	11.36	WET	NORM	NORM	DRY	NORM	2001
2002	0.75	1.08	2.27	1.16	1.93	6.41	1.37	9.72	9.10	10.38	24.25	18.86	NORM	DRY	DRY	WET	WET	2002
2003	0.39	1.68	2.61	4.16	2.32	1.82	1.49	11.58	19.38	17.89	14.26	10.43	NORM	NORM	NORM	NORM	NORM	2003
2004	0.89	1.66	5.16	2.18	3.06	1.79	5.80	19.69	18.52	18.70	13.67	24.04	WET	NORM	NORM	NORM	WET	2004
2005	0.11	1.48	4	3.7	1.11	2.67	3.54	15.07	20.58	14.73	13.93	17.07	NORM	NORM	NORM	NORM	NORM	2005
2006	0.72	2.41	1.75	1.92	0.74	3.39	4.85	10.79	11.67	7.81	13.57	22.07	NORM	NORM	DRY	NORM	WET	2006
2007	3.05	3.79	2.96	2.03	0.26	3.57	3.07	19.51	15.80	7.80	13.26	16.61	WET	NORM	DRY	NORM	NORM	2007
2008	1.08	1.85	2.42	4.15	3.73	4.02	1.96	12.04	19.14	21.91	23.67	17.65	NORM	NORM	NORM	WET	NORM	2008
2009	2.44	0.96	1.48	2.58	3.64	3.41	1.56	8.80	11.66	17.56	20.09	15.14	NORM	NORM	NORM	NORM	NORM	2009
2010	1.17	1.86	3.02	4.13	3.03	3.51	6.06	13.95	20.29	20.37	20.72	28.23	NORM	NORM	NORM	NORM	WET	2010
2011	1.80	1.15	4.13	3.80	3.71	1.18	0.35	16.49	20.81	22.86	14.76	7.12	WET	NORM	NORM	NORM	DRY	2011
2012	0.85	2.69	3.08	5.06	0.55	1.92	0.29	15.47	24.03	14.85	11.92	5.26	NORM	WET	NORM	DRY	DRY	2012
2013	1.21	2.33	3.23	5.51	2.79	0.53	3.12	15.56	25.32	22.62	12.68	13.21	NORM	WET	NORM	NORM	NORM	2013
2014	0.97	1.59	1.88	4.60	1.25	2.90	0.84	9.79	19.15	14.83	15.80	9.57	NORM	NORM	NORM	NORM	NORM	2014
2015	0.35	0.39	4.61	2.93	3.57	5.44	0.27	14.96	18.40	21.18	26.39	15.26	NORM	NORM	NORM	WET	NORM	2015
2016	0.26	2.26	2.10	1.53	2.48	6.98	2.06	11.08	11.05	12.60	27.43	22.62	NORM	NORM	NORM	WET	WET	2016
2017	0.33	1.74	2.10	3.74	3.21	3.31	5.40	10.11	17.16	19.21	20.09	26.03	NORM	NORM	NORM	NORM	WET	2017
2018	1.41	0.97	1.67	3.45	3.35	3.02	2.85	8.36	14.66	18.62	19.21	17.94	NORM	NORM	NORM	NORM	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.7	1.30	1.58	March	1.30
April	1.05	1.96	2.39	April	1.96
May	1.60	2.61	3.16	May	2.61
June	2.21	4.01	4.89	June	4.01
July	1.97	2.91	3.48	July	2.91
August	2.01	2.85	3.38	August	2.85
Sept.	1.08	2.03	2.48	Sept.	2.03
Jun-MAM	7.60	13.05	15.84		
Jul-JMA	10.88	19.21	23.38		
Aug-JJM	11.93	19.36	23.38		
Sep-AJJ	12.18	18.38	21.99		
Oct-SAJ	9.23	14.70	17.68		

NOTE:
Watertown RGNL AP NWS Station (SD8932) has not collected data as of 2012.
Watertown RGNL AP NWS Station (SD8932) has been replaced with Watertown RGNL AP NWS Station (SD946) as of 2012.
Castlewood NWS Station (SD1519) was used for Jul, Aug 1985.

Rainfall Data
Waubay Nat'l. Wildlife Refuge
Station #SD8980
Day County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1952	0.85	0.45	1.64	4.41	1.90	0.39	0.51	6.67	16.96	16.16	9.38	4.21	DRY	NORM	NORM	DRY	DRY	1952
1953	0.23	3.92	2.67	6.84	2.85	1.83	0.05	16.08	29.78	24.90	18.03	6.66	WET	WET	WET	NORM	DRY	1953
1958	0.29	2.48	1.30	2.75	1.03	0.38	0.43	9.15	13.33	9.89	5.95	3.08	NORM	NORM	DRY	DRY	DRY	1958
1965	1.18	2.67	7.77	2.34	3.03	1.58	5.62	29.83	25.23	21.54	13.14	23.05	WET	WET	NORM	NORM	WET	1965
1970	1.44	3.26	2.42	2.75	3.38	0.49	1.85	15.22	16.35	18.06	10.98	9.91	WET	NORM	NORM	DRY	NORM	1970
1971	0.08	1.09	2.51	8.64	1.20	2.95	0.66	9.79	32.03	23.39	19.89	9.08	NORM	WET	NORM	NORM	NORM	1971
1977	3.73	2.16	2.21	3.82	1.99	3.96	3.30	14.68	18.04	15.82	19.68	19.81	NORM	NORM	NORM	NORM	WET	1977
1978	0.39	2.13	3.15	5.97	3.45	4.30	0.72	14.10	26.34	25.44	25.77	14.21	NORM	WET	WET	WET	NORM	1978
1979	1.53	2.02	1.45	3.87	3.11	3.27	0.32	9.92	16.53	18.52	19.90	10.61	NORM	NORM	NORM	NORM	NORM	1979
1980	0.50	0.31	1.35	4.40	2.24	4.25	0.34	5.17	16.21	16.87	21.63	11.76	DRY	NORM	NORM	NORM	NORM	1980
1981	1.71	0.68	1.75	3.39	2.10	2.35	1.05	8.32	14.35	14.83	14.64	9.95	NORM	NORM	NORM	NORM	NORM	1981
1982	1.14	0.55	2.63	1.04	3.71	1.98	3.55	10.13	8.93	15.84	14.40	18.32	NORM	DRY	NORM	NORM	WET	1982
1983	1.82	0.55	1.06	2.55	3.59	4.14	1.99	6.10	10.32	16.93	22.15	17.84	DRY	NORM	NORM	NORM	WET	1983
1984	1.10	2.76	1.32	6.82	1.45	3.13	1.22	10.58	25.86	19.31	19.11	11.37	NORM	WET	NORM	NORM	NORM	1984
1985	0.85	0.66	2.36	2.14	2.60	3.89	2.78	9.25	11.80	14.44	19.01	18.72	NORM	NORM	NORM	NORM	WET	1985
1986	0.51	5.54	3.42	4.13	7.32	3.43	4.47	21.85	24.77	33.64	29.06	27.59	WET	WET	WET	WET	WET	1986
1987	1.90	0.00	1.63	0.86	3.63	1.34	1.75	6.79	5.84	14.24	12.14	11.56	DRY	DRY	NORM	NORM	NORM	1987
1988	0.28	0.39	4.03	1.04	1.19	5.96	3.19	13.15	11.57	9.68	21.30	22.68	NORM	NORM	DRY	NORM	WET	1988
1989	1.69	3.19	1.63	1.58	2.15	4.85	2.89	12.96	11.19	11.24	20.43	20.52	NORM	NORM	DRY	NORM	WET	1989
1990	1.78	1.69	1.74	4.09	3.27	5.81	1.56	10.38	17.44	19.73	28.06	19.57	NORM	NORM	NORM	WET	WET	1990
1991	0.69	4.16	5.40	6.75	3.63	3.08	3.20	25.21	35.21	29.79	23.25	19.39	WET	WET	WET	WET	WET	1991
1992	0.87	0.89	0.60	6.21	2.38	1.15	1.65	4.45	20.72	20.16	14.42	9.63	DRY	NORM	NORM	NORM	NORM	1992
1993	0.81	1.74	2.72	5.83	9.06	1.28	1.17	12.45	24.67	41.56	27.79	15.13	NORM	WET	WET	WET	NORM	1993
1994	0.30	2.28	2.46	1.11	6.28	2.52	1.16	12.24	10.53	23.52	21.23	14.80	NORM	NORM	NORM	NORM	NORM	1994
1995	2.46	2.25	2.90	2.71	5.13	4.25	3.49	15.66	16.18	23.71	25.72	24.10	WET	NORM	NORM	WET	WET	1995
1996	0.66	0.19	4.32	2.60	3.14	0.94	3.42	14.00	16.63	18.94	11.70	15.28	NORM	NORM	NORM	NORM	NORM	1996
1997	0.65	1.81	1.49	1.68	5.71	2.89	0.84	8.74	9.83	21.98	21.77	14.01	NORM	DRY	NORM	NORM	NORM	1997
1998	1.60	4.16	5.42	3.00	1.97	2.66	0.00	26.18	24.00	17.33	14.92	7.29	WET	WET	NORM	NORM	DRY	1998
1999	0.74	1.35	2.98	7.75	2.37	3.19	3.64	12.38	30.56	25.59	22.06	19.67	NORM	WET	WET	NORM	WET	1999
2000	0.68	2.52	1.07	1.77	5.37	1.01	1.11	8.93	9.97	20.72	15.54	10.72	NORM	DRY	NORM	NORM	NORM	2000
2001	0.29	3.97	2.49	4.57	3.54	0.48	2.19	15.70	22.66	22.25	13.09	11.07	WET	WET	NORM	NORM	NORM	2001
2002	0.89	1.64	3.79	3.04	3.18	3.74	1.23	15.54	18.34	19.41	20.62	14.35	WET	NORM	NORM	NORM	NORM	2002
2003	0.27	1.74	3.16	8.24	2.35	0.41	1.62	13.23	32.78	26.69	14.17	8.03	NORM	WET	WET	NORM	DRY	2003
2004	1.29	0.77	5.12	2.47	4.05	1.55	5.32	18.19	18.42	22.21	15.22	23.11	WET	NORM	NORM	NORM	WET	2004
2005	0.08	0.72	3.63	5.72	2.4	2.47	2.57	12.41	25.14	22.27	17.93	15.05	NORM	WET	NORM	NORM	NORM	2005
2006	0.64	3.10	1.55	2.17	1.04	4.68	3.61	11.49	12.71	9.01	18.29	21.23	NORM	NORM	DRY	NORM	WET	2006
2007	1.64	4.10	6.10	2.05	2.46	1.93	4.49	28.14	22.45	17.58	12.76	19.79	WET	WET	NORM	NORM	WET	2007
2008	1.48	2.71	1.56	3.96	3.36	1.07	3.44	11.58	17.71	19.56	13.89	15.82	NORM	NORM	NORM	NORM	NORM	2008
2009	1.65	0.36	1.02	3.71	2.35	2.47	4.04	5.43	13.53	15.49	15.82	19.41	DRY	NORM	NORM	NORM	WET	2009
2010	0.98	1.35	2.08	3.45	4.47	2.45	5.05	9.92	15.86	22.39	19.74	24.52	NORM	NORM	NORM	NORM	WET	2010
2011	1.74	0.76	0.73	2.08	4.30	1.15	0.81	5.45	8.46	17.79	14.13	9.03	DRY	DRY	NORM	NORM	NORM	2011
2012	0.48	3.07	2.35	2.60	3.14	1.39	0.21	13.67	15.57	16.97	13.05	6.55	NORM	NORM	NORM	NORM	DRY	2012
2013	0.62	1.85	2.42	4.69	3.09	0.79	2.07	11.58	20.76	21.07	13.24	10.88	NORM	NORM	NORM	NORM	NORM	2013
2014	0.46	1.78	1.80	6.94	1.43	2.70	0.18	9.42	26.20	19.97	17.90	7.37	NORM	WET	NORM	NORM	DRY	2014
2015	0.62	0.32	4.44	2.41	4.65	2.89	0.36	14.58	16.43	23.21	20.38	11.51	NORM	NORM	NORM	NORM	NORM	2015
2016	0.39	2.23	1.55	1.14	7.04	3.46	1.67	9.50	8.75	24.95	25.60	18.97	NORM	DRY	WET	WET	WET	2016
2017	0.22	1.37	1.25	2.49	0.91	4.47	3.35	6.71	11.34	8.96	17.72	19.90	DRY	NORM	DRY	NORM	WET	2017
2018	1.25	0.57	2.34	1.74	8.31	2.34	0.89	9.41	10.47	30.75	25.38	15.66	NORM	NORM	WET	WET	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.6	1.06	1.29	March	1.06
April	0.88	1.74	2.15	April	1.74
May	1.64	2.61	3.15	May	2.61
June	1.95	3.45	4.20	June	3.45
July	2.06	3.37	4.08	July	3.37
August	1.87	2.86	3.43	August	2.86
Sept.	0.88	1.86	2.27	Sept.	1.86
Jun-MAM	7.28	12.37	15.04		
Jul-JMA	10.01	17.31	21.05		
Aug-JJM	11.72	19.62	23.79		
Sep-AJJ	11.68	18.77	22.65		
Oct-SAJ	8.44	14.67	17.75		

NOTE:

Webster NWS Station (SD9004) was used for Mar 1981; May 1985.

Sisseton NWS Station (SD7742) was used for Mar, Apr 1952.

Rainfall Data
Webster
Station #SD9004
Day County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1938	0.58	3	2.36	2.36	3.47	1.71	1.93	13.66	14.8	17.49	14.43	12.68	NORM	NORM	NORM	NORM	NORM	1938
1939	0.16	1.29	1.6	6.98	0.62	1.04	1.06	7.54	25.43	17.42	11.34	5.88	NORM	WET	NORM	DRY	DRY	1939
1953	0.63	4.13	2.73	6.28	1.83	1.89	0.25	17.08	28.43	20.78	15.61	6.36	WET	WET	NORM	NORM	DRY	1953
1958	0.53	1.69	1.22	3.22	1.01	0.83	0.52	7.57	13.79	10.69	7.73	4.23	NORM	NORM	DRY	DRY	DRY	1958
1969	0.48	1.20	3.10	1.83	6.48	1.26	0.56	12.18	12.89	26.20	18.57	10.68	NORM	NORM	WET	NORM	NORM	1969
1970	1.05	1.79	2.28	3.25	2.57	0.33	1.84	11.47	16.10	16.49	9.38	8.75	NORM	NORM	NORM	DRY	NORM	1970
1971	0.10	1.34	1.83	7.36	2.42	3.71	0.56	8.27	27.08	23.81	23.33	11.52	NORM	WET	NORM	NORM	NORM	1971
1972	0.52	0.85	7.41	1.10	9.08	1.80	0.09	24.45	18.97	36.85	24.66	12.95	WET	NORM	WET	WET	NORM	1972
1977	2.94	1.65	2.19	3.30	3.35	4.25	3.52	12.81	15.93	18.84	22.75	22.41	NORM	NORM	NORM	NORM	WET	1977
1978	0.25	1.88	2.34	3.55	4.47	6.17	0.63	11.03	17.21	22.85	31.00	18.70	NORM	NORM	NORM	WET	NORM	1978
1979	1.83	2.31	1.49	4.28	3.05	1.74	0.05	10.92	18.13	19.20	15.60	6.68	NORM	NORM	NORM	NORM	DRY	1979
1980	0.67	0.39	0.78	5.85	1.50	3.51	0.49	3.79	19.50	16.98	19.38	9.99	DRY	NORM	NORM	NORM	NORM	1980
1981	1.71	0.38	2.04	3.30	2.70	3.02	1.05	8.59	14.36	16.74	17.76	11.89	NORM	NORM	NORM	NORM	NORM	1981
1982	1.76	0.54	2.93	2.66	3.76	2.31	2.52	11.63	14.38	19.53	17.11	15.94	NORM	NORM	NORM	NORM	NORM	1982
1983	1.88	0.45	0.78	3.28	3.93	3.56	1.86	5.12	11.85	19.13	21.82	16.63	DRY	NORM	NORM	NORM	NORM	1983
1984	1.60	2.50	1.67	6.56	1.70	2.13	1.38	11.61	25.52	19.89	16.35	10.10	NORM	WET	NORM	NORM	NORM	1984
1985	1.37	0.97	2.36	3.02	2.44	3.09	4.29	10.39	14.75	15.72	17.17	21.49	NORM	NORM	NORM	NORM	WET	1985
1986	0.49	7.47	2.69	3.03	5.74	3.24	5.77	23.50	21.94	25.97	24.23	29.53	WET	WET	WET	WET	WET	1986
1987	1.81	0.12	1.86	1.26	2.44	1.50	2.35	7.63	7.62	11.70	10.64	12.49	NORM	DRY	DRY	DRY	NORM	1987
1988	0.46	0.44	5.01	1.40	1.25	5.80	3.03	16.37	14.66	11.56	21.30	21.94	WET	NORM	DRY	NORM	WET	1988
1989	1.54	3.55	2.53	1.81	4.08	5.52	3.40	16.23	14.04	18.39	26.53	25.32	WET	NORM	NORM	WET	WET	1989
1990	1.88	1.76	3.22	3.64	1.84	3.35	1.23	15.06	19.12	16.02	17.37	12.23	NORM	NORM	NORM	NORM	NORM	1990
1991	0.69	4.71	5.79	5.25	2.63	3.19	3.89	27.48	32.04	24.18	20.08	20.68	WET	WET	NORM	NORM	WET	1991
1992	0.95	1.28	0.48	5.77	2.66	1.23	1.58	4.95	19.55	20.00	14.78	9.86	DRY	NORM	NORM	NORM	NORM	1992
1993	0.89	1.75	2.86	6.02	11.23	2.04	1.08	12.97	25.53	48.59	34.60	18.55	NORM	WET	WET	WET	NORM	1993
1994	0.38	3.32	1.32	1.30	8.48	2.66	1.48	10.98	9.86	29.36	26.24	18.24	NORM	DRY	WET	WET	NORM	1994
1995	2.04	2.61	2.85	3.01	7.88	3.77	3.72	15.81	17.34	32.51	30.08	26.58	WET	NORM	WET	WET	WET	1995
1996	0.00	0.27	3.98	3.14	2.23	2.23	2.74	12.48	17.65	16.95	14.29	14.91	NORM	NORM	NORM	NORM	NORM	1996
1997	0.34	2.62	1.93	1.61	7.32	6.11	1.27	11.37	11.31	27.11	34.58	23.35	NORM	NORM	WET	WET	WET	1997
1998	1.60	3.42	6.82	4.09	1.70	4.01	0.00	28.90	29.33	20.10	19.52	9.72	WET	WET	NORM	NORM	NORM	1998
1999	1.08	1.13	3.56	7.30	4.11	2.51	3.52	14.02	30.15	30.49	23.05	19.69	NORM	WET	WET	NORM	WET	1999
2000	0.96	2.03	1.44	2.92	5.39	1.66	0.90	9.34	13.67	23.45	18.68	11.41	NORM	NORM	NORM	NORM	NORM	2000
2001	0.05	2.74	5.89	4.66	3.18	0.88	2.75	23.20	28.50	24.75	13.66	13.19	WET	WET	NORM	NORM	NORM	2001
2002	0.25	1.76	3.18	2.05	3.26	4.66	0.94	13.31	14.27	17.06	22.55	15.40	NORM	NORM	NORM	NORM	NORM	2002
2003	0.20	1.70	3.20	7.57	1.92	1.62	1.66	13.20	30.81	24.10	16.27	10.14	NORM	WET	NORM	NORM	NORM	2003
2004	1.92	1.12	4.19	2.45	3.60	1.40	5.37	16.73	16.85	19.89	13.85	22.51	WET	NORM	NORM	NORM	WET	2004
2005	0.03	0.99	4.15	7.63	2.93	3.44	1.84	14.46	32.18	28.20	23.81	15.33	NORM	WET	WET	NORM	NORM	2005
2006	1.14	4.18	3.23	2.35	0.60	3.97	4.09	19.19	17.69	9.73	15.46	20.81	WET	NORM	DRY	NORM	WET	2006
2007	3.09	4.39	8.60	3.32	1.41	1.66	6.22	37.67	31.55	19.47	11.12	23.39	WET	WET	NORM	DRY	WET	2007
2008	1.68	2.79	1.47	4.28	4.46	1.82	5.69	11.67	18.57	23.41	18.66	25.17	NORM	NORM	NORM	NORM	WET	2008
2009	2.64	0.66	1.13	3.27	4.10	6.52	3.94	7.35	12.73	19.97	31.03	28.96	NORM	NORM	NORM	WET	WET	2009
2010	1.72	1.99	2.55	3.81	2.66	2.58	5.21	13.35	18.52	18.15	16.87	23.45	NORM	NORM	NORM	NORM	WET	2010
2011	1.50	0.91	3.66	3.47	5.34	1.59	1.16	14.30	18.64	26.62	18.92	12.00	NORM	NORM	WET	NORM	NORM	2011
2012	0.58	3.79	3.12	1.86	5.11	1.56	0.00	17.52	15.61	22.17	16.76	8.23	WET	NORM	NORM	NORM	DRY	2012
2013	0.96	2.28	3.01	5.83	2.64	0.62	2.39	14.56	25.80	22.59	12.97	11.05	NORM	WET	NORM	NORM	NORM	2013
2014	0.56	1.96	4.71	5.41	1.09	2.55	0.45	18.61	27.61	18.80	15.24	7.54	WET	WET	NORM	NORM	DRY	2014
2015	0.64	0.64	5.46	4.53	5.70	3.64	0.45	18.30	25.15	31.62	26.85	14.33	WET	WET	WET	WET	NORM	2015
2016	0.57	3.06	2.13	1.60	3.72	4.91	1.68	13.08	12.12	16.49	23.77	18.58	NORM	NORM	NORM	NORM	NORM	2016
2017	0.69	1.53	1.30	5.15	1.32	3.32	4.79	7.65	19.58	15.56	17.75	22.33	NORM	NORM	NORM	NORM	WET	2017
2018	2.59	1.63	1.96	1.77	4.07	3.36	2.58	11.73	10.86	17.71	19.99	18.53	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.61	1.10	1.35	March	1.10
April	0.86	1.84	2.25	April	1.84
May	1.58	2.63	3.19	May	2.63
June	2.22	3.48	4.19	June	3.48
July	2.03	3.73	4.56	July	3.73
August	2.17	3.06	3.63	August	3.06
Sept.	0.78	1.88	2.30	Sept.	1.88
Jun-MAM	7.07	12.67	15.42		
Jul-JMA	10.68	17.54	21.20		
Aug-JJM	12.11	20.78	25.25		
Sep-AJJ	12.79	20.12	24.20		
Oct-SAJ	8.71	15.49	18.72		

NOTE:
Britton NWS Station (SD1049) was used for 1938; 1939.

Rainfall Data
Fort Pierre 17 WSW
Station #SD9032
Stanley County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1949	0.56	1.65	3.72	0.73	1.54	2.09	1.33	15.02	11.28	9.80	10.08	9.71	NORM	NORM	NORM	NORM	NORM	1949
1968	0.12	4.37	1.41	5.79	1.90	2.04	0.67	13.09	24.56	18.69	15.71	7.99	NORM	WET	WET	WET	NORM	1968
1969	0.25	0.60	0.88	2.52	4.17	0.70	0.48	4.09	9.92	18.43	12.96	7.01	DRY	NORM	WET	NORM	NORM	1969
1970	0.60	4.06	0.86	1.37	2.00	3.78	1.88	11.30	9.89	9.60	16.71	15.20	NORM	NORM	NORM	WET	WET	1970
1980	0.85	0.56	2.25	2.72	0.96	2.99	0.42	8.72	13.22	10.57	13.61	8.20	NORM	NORM	NORM	NORM	NORM	1980
1981	1.11	0.30	3.16	2.28	4.16	1.00	0.21	11.19	13.46	20.20	13.60	6.79	NORM	NORM	WET	NORM	NORM	1981
1982	2.55	0.70	7.00	3.25	4.63	2.37	1.07	24.95	24.45	27.39	19.62	12.58	WET	WET	WET	WET	WET	1982
1983	1.45	0.65	3.38	1.56	0.64	0.79	0.00	12.89	12.09	8.42	5.21	2.22	NORM	NORM	NORM	DRY	DRY	1983
1984	0.62	2.50	3.33	6.93	1.03	0.37	0.64	15.61	29.95	20.28	10.10	3.69	NORM	WET	WET	NORM	DRY	1984
1985	0.49	0.73	1.02	1.95	1.45	1.84	2.24	5.01	8.62	9.27	10.37	11.85	DRY	DRY	NORM	NORM	WET	1985
1986	1.63	5.28	4.25	4.41	1.24	0.36	3.64	24.94	27.01	16.79	7.97	12.88	WET	WET	NORM	NORM	WET	1986
1987	3.08	0.15	3.01	1.44	1.27	3.00	0.52	12.41	10.49	9.70	12.98	8.83	NORM	NORM	NORM	NORM	NORM	1987
1988	0.22	0.81	2.41	3.64	0.33	0.94	1.08	9.07	16.55	10.68	7.12	5.45	NORM	NORM	NORM	NORM	NORM	1988
1989	1.15	1.19	0.89	0.53	1.65	1.30	4.06	6.20	4.56	6.90	7.73	16.43	DRY	DRY	DRY	NORM	WET	1989
1990	0.74	2.33	1.73	2.13	2.25	1.03	0.89	10.59	12.18	12.74	9.72	6.98	NORM	NORM	NORM	NORM	NORM	1990
1991	0.63	2.74	6.26	3.49	0.55	1.07	0.81	24.89	25.73	14.89	7.80	5.12	WET	WET	NORM	NORM	NORM	1991
1992	1.23	0.27	0.65	3.69	6.04	2.42	1.41	3.72	12.64	26.15	23.03	15.11	DRY	NORM	WET	WET	WET	1992
1993	1.81	2.62	1.57	3.38	3.78	0.64	1.35	11.76	15.90	19.67	12.86	9.11	NORM	NORM	WET	NORM	NORM	1993
1994	0.18	1.73	1.82	2.03	3.40	1.12	0.31	9.10	11.46	16.08	12.19	6.57	NORM	NORM	NORM	NORM	NORM	1994
1995	0.98	3.37	3.74	4.42	2.28	1.74	0.92	18.94	24.11	19.42	14.20	8.52	WET	WET	WET	NORM	NORM	1995
1996	0.51	1.03	5.07	0.77	2.35	0.87	3.98	17.78	13.48	13.66	8.08	16.03	WET	NORM	NORM	NORM	WET	1996
1997	0.16	2.31	3.87	4.17	4.68	2.24	0.24	16.39	22.56	26.25	20.25	9.88	WET	WET	WET	WET	NORM	1997
1998	1.86	0.62	2.63	6.02	3.15	2.12	0.08	10.99	23.94	24.12	18.68	7.63	NORM	WET	WET	WET	NORM	1998
1999	0.49	2.58	2.95	3.19	2.45	4.98	5.84	14.50	18.05	16.68	23.03	29.93	NORM	NORM	NORM	WET	WET	1999
2000	1.39	3.13	1.82	2.26	1.23	1.27	0.03	13.11	13.55	10.03	8.53	3.86	NORM	NORM	NORM	NORM	DRY	2000
2001	0.12	3.13	2.70	2.05	3.64	0.10	1.01	14.48	14.68	17.72	9.63	6.87	NORM	NORM	NORM	NORM	NORM	2001
2002	0.71	0.80	0.75	1.30	0.78	1.37	1.82	4.56	6.20	5.69	6.97	8.98	DRY	DRY	DRY	NORM	NORM	2002
2003	0.28	1.40	3.59	1.83	0.20	0.16	0.77	13.85	14.07	7.85	2.71	2.83	NORM	NORM	DRY	DRY	DRY	2003
2004	1.89	0.17	2.71	2.64	3.08	3.64	6.37	10.36	13.51	17.23	19.72	29.47	NORM	NORM	NORM	WET	WET	2004
2005	0.74	2.95	2.76	3.14	0.74	2.67	0.63	14.92	17.89	11.26	12.63	7.97	NORM	NORM	NORM	NORM	NORM	2005
2006	1.18	1.12	0.38	0.58	0.74	4.08	2.88	4.56	3.62	3.76	14.30	17.54	DRY	DRY	DRY	NORM	WET	2006
2007	2.50	1.62	3.69	3.33	0.35	1.95	1.40	16.81	18.99	11.40	9.88	8.45	WET	WET	NORM	NORM	NORM	2007
2008	0.59	0.85	4.00	4.63	2.50	1.42	1.85	14.29	22.74	20.76	13.89	10.89	NORM	WET	WET	NORM	NORM	2008
2009	0.88	1.81	0.68	3.35	3.87	4.28	0.46	6.54	13.22	18.99	23.93	13.81	DRY	NORM	WET	WET	WET	2009
2010	2.06	2.01	2.45	2.55	2.91	0.45	2.61	13.43	14.56	16.28	9.72	11.64	NORM	NORM	NORM	NORM	WET	2010
2011	0.35	2.05	2.69	5.51	5.13	1.57	0.68	12.52	23.96	29.10	20.48	10.31	NORM	WET	WET	WET	NORM	2011
2012	1.03	2.58	1.96	2.84	0.68	0.33	0.00	12.07	15.02	9.68	5.19	1.34	NORM	NORM	NORM	DRY	DRY	2012
2013	0.15	2.88	4.17	1.85	2.58	2.52	1.16	18.42	16.77	15.61	14.57	11.10	WET	NORM	NORM	WET	NORM	2013
2014	0.30	1.85	4.40	2.92	0.09	5.07	0.72	17.20	19.41	10.51	18.31	12.39	WET	WET	NORM	WET	WET	2014
2015	0.33	0.49	6.18	6.16	2.15	2.49	1.18	19.85	31.33	24.95	17.93	10.67	WET	WET	WET	WET	NORM	2015
2016	1.32	4.42	1.11	0.71	1.85	3.56	1.03	13.49	8.77	8.08	15.09	12.06	NORM	DRY	DRY	WET	WET	2016
2017	0.20	1.47	0.54	1.62	0.30	1.64	1.56	4.76	7.41	4.68	7.14	8.26	DRY	DRY	DRY	NORM	NORM	2017
2018	0.12	1.25	2.51	3.70	0.80	2.08	1.20	10.15	17.37	12.31	11.54	8.56	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.61	1.20	1.47	March	1.20
April	0.94	1.91	2.34	April	1.91
May	1.74	2.74	3.30	May	2.74
June	1.54	2.59	3.15	June	2.59
July	1.12	2.22	2.72	July	2.22
August	1.00	1.63	1.97	August	1.63
Sept.	0.36	1.30	1.54	Sept.	1.30
Jun-MAM	7.71	13.24	16.05		
Jul-JMA	9.04	15.16	18.39		
Aug-JJM	8.18	14.58	17.76		
Sep-AJJ	6.78	11.92	14.50		
Oct-SAJ	4.20	9.38	11.28		

NOTE:

Fort Pierre 17 WSW NWS Station (SD9032) has been replaced with Fort Pierre 17 WSW NWS Station (SD3076).
Oahe Dam NWS Station (SD6170) was used for Apr-Jun 1984; Sep 1984; May-Sep 1985.
Pierre RGNL AP NWS Station (SD025) was used for Jul-Sep 2012; Mar-May, Jul-Sep 2013; May 2014; 2015.

Rainfall Data
Wentworth 2 WNW
Station #SD9042
Lake County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1940	3.84	2.00	0.48	3.76	0.71	4.26	0.83	9.28	14.24	10.13	17.96	11.72	NORM	NORM	DRY	NORM	NORM	1940
1950	1.45	2.34	5.32	1.29	3.42	0.99	4.07	22.09	16.85	18.16	11.10	17.61	WET	NORM	NORM	DRY	NORM	1950
1951	3.16	1.86	4.06	5.45	3.23	4.51	1.95	19.06	26.33	24.65	25.44	18.10	NORM	WET	NORM	WET	NORM	1951
1952	1.42	0.98	2.80	5.74	1.52	1.85	0.79	11.78	23.80	18.84	14.33	7.59	NORM	NORM	NORM	NORM	DRY	1952
1956	1.17	1.87	2.52	3.27	6.57	3.49	0.56	12.47	16.72	28.77	26.88	15.23	NORM	NORM	WET	WET	NORM	1956
1964	2.51	3.45	1.90	2.21	3.55	3.62	2.44	15.11	13.88	16.97	20.17	18.11	NORM	NORM	NORM	NORM	NORM	1964
1965	0.98	3.43	5.00	6.48	1.07	0.90	5.01	22.84	32.87	21.17	11.32	17.90	WET	WET	NORM	DRY	NORM	1965
1971	0.89	1.99	1.49	3.56	2.60	2.60	1.83	9.34	15.65	16.41	16.56	13.29	NORM	NORM	NORM	NORM	NORM	1971
1976	1.45	1.94	0.37	1.79	1.35	0.67	2.00	6.44	8.05	8.00	6.50	8.69	DRY	DRY	DRY	DRY	DRY	1976
1979	2.38	4.44	3.18	4.10	4.09	1.39	2.43	20.80	23.10	23.65	16.45	14.16	WET	NORM	NORM	NORM	NORM	1979
1980	0.57	0.51	1.60	7.70	2.13	6.33	0.20	6.39	26.81	23.39	30.95	15.39	DRY	WET	NORM	WET	NORM	1980
1981	1.58	1.50	0.36	2.74	3.72	2.18	0.96	5.66	10.44	17.00	16.72	10.96	DRY	DRY	NORM	NORM	NORM	1981
1982	1.46	1.51	4.52	1.56	3.99	1.62	3.21	18.04	15.23	19.61	14.40	16.86	NORM	NORM	NORM	NORM	NORM	1982
1983	3.75	1.63	1.84	4.92	3.86	2.59	1.43	12.53	20.07	23.26	20.41	13.33	NORM	NORM	NORM	NORM	NORM	1983
1984	1.46	4.19	3.21	10.12	1.63	1.34	1.47	19.47	40.97	28.34	17.40	8.72	WET	WET	WET	NORM	DRY	1984
1985	1.96	2.52	4.06	1.58	1.39	2.53	4.09	19.18	15.38	11.39	11.95	18.72	NORM	NORM	DRY	DRY	NORM	1985
1986	1.26	6.08	5.33	5.31	3.84	3.78	6.51	29.41	32.67	27.47	24.33	30.93	WET	WET	WET	WET	WET	1986
1987	2.51	0.30	2.04	2.96	5.48	2.46	2.58	9.23	13.26	24.40	21.30	18.14	NORM	NORM	NORM	NORM	NORM	1987
1988	0.60	2.15	3.00	1.25	1.19	5.06	3.10	13.90	11.90	9.07	18.81	20.61	NORM	DRY	DRY	NORM	NORM	1988
1989	1.47	2.25	1.05	4.01	3.14	1.49	3.35	9.12	16.38	18.49	14.76	16.17	NORM	NORM	NORM	NORM	NORM	1989
1990	1.34	1.88	5.05	7.95	3.07	3.36	0.24	20.25	35.83	30.16	24.17	10.51	WET	WET	WET	WET	NORM	1990
1991	0.21	2.69	5.05	7.66	2.48	1.63	3.55	20.74	35.77	27.81	17.51	16.39	WET	WET	WET	NORM	NORM	1991
1992	1.68	1.45	0.95	4.03	6.07	5.16	3.28	7.43	15.44	27.22	31.65	26.23	DRY	NORM	WET	WET	WET	1992
1993	1.30	2.73	4.04	9.18	8.86	1.84	1.77	18.88	38.35	48.98	32.42	17.85	NORM	WET	WET	WET	NORM	1993
1994	0.27	2.84	2.22	8.06	1.89	2.66	2.16	12.61	31.46	24.01	19.82	13.69	NORM	WET	NORM	NORM	NORM	1994
1995	3.44	4.85	4.49	2.01	5.85	3.76	3.48	26.61	19.86	26.06	24.99	23.81	WET	NORM	WET	WET	WET	1995
1996	0.80	0.38	5.70	3.44	1.16	3.32	6.05	18.66	22.10	16.06	15.72	25.95	NORM	NORM	NORM	NORM	WET	1996
1997	0.24	2.18	2.32	2.06	1.61	1.78	3.79	11.56	13.00	11.27	10.62	16.54	NORM	NORM	DRY	DRY	NORM	1997
1998	1.87	2.29	1.02	2.93	4.36	4.44	1.17	9.51	13.12	19.96	24.97	16.75	NORM	NORM	NORM	WET	NORM	1998
1999	1.24	4.45	4.92	3.93	3.48	2.03	2.62	24.90	26.08	23.22	16.98	15.40	WET	WET	NORM	NORM	NORM	1999
2000	1.11	2.79	5.45	2.57	4.09	2.04	1.94	23.04	21.40	22.86	16.87	13.99	WET	NORM	NORM	NORM	NORM	2000
2001	0.89	5.70	1.89	3.35	1.89	1.96	2.75	17.96	19.53	14.26	13.01	14.06	NORM	NORM	NORM	NORM	NORM	2001
2002	1.19	1.33	1.12	1.93	0.55	6.38	1.07	7.21	9.36	6.63	22.17	16.52	DRY	DRY	DRY	NORM	NORM	2002
2003	0.14	2.99	2.22	3.73	1.73	1.52	3.06	12.78	18.62	14.87	11.75	13.95	NORM	NORM	NORM	DRY	NORM	2003
2004	1.75	1.07	5.28	3.00	8.03	2.41	5.64	19.73	20.63	35.37	26.29	29.77	WET	NORM	WET	WET	WET	2004
2005	1.04	2.04	4.19	6.81	3.97	2.5	6.73	17.69	30.85	29.72	22.25	29.16	NORM	WET	WET	NORM	WET	2005
2006	1.96	3.01	1.04	2.76	1.28	4.96	6.09	11.10	13.37	10.40	20.20	29.47	NORM	NORM	DRY	NORM	WET	2006
2007	2.31	4.67	5.03	1.86	1.24	6.05	1.39	26.74	20.31	12.47	22.49	17.51	WET	NORM	DRY	NORM	NORM	2007
2008	0.50	3.07	2.12	2.87	3.05	0.90	1.84	13.00	15.92	17.01	11.67	10.37	NORM	NORM	NORM	DRY	NORM	2008
2009	1.52	2.40	1.47	5.35	4.67	2.17	1.07	10.73	21.39	26.18	21.20	12.22	NORM	NORM	WET	NORM	NORM	2009
2010	1.09	2.15	2.13	6.03	6.43	7.40	7.39	11.78	24.50	33.48	41.09	43.40	NORM	NORM	WET	WET	WET	2010
2011	1.03	3.00	4.38	2.85	7.09	2.13	0.21	20.17	20.31	31.35	23.42	11.98	WET	NORM	WET	NORM	NORM	2011
2012	0.48	2.84	9.97	1.47	0.55	2.88	1.55	36.07	27.19	14.56	11.21	10.96	WET	WET	NORM	DRY	NORM	2012
2013	1.07	3.08	3.87	3.63	2.24	1.38	0.60	18.84	21.71	17.85	12.25	6.80	NORM	NORM	NORM	DRY	DRY	2013
2014	0.63	1.13	4.83	6.88	0.82	4.66	1.22	17.38	31.43	21.05	22.50	13.80	NORM	WET	NORM	NORM	NORM	2014
2015	0.21	0.38	4.73	6.30	5.67	4.73	2.52	15.16	28.74	34.34	31.83	22.69	NORM	WET	WET	WET	WET	2015
2016	1.01	2.51	4.44	5.38	2.10	5.42	2.56	19.35	27.53	21.50	25.84	20.62	WET	WET	NORM	WET	NORM	2016
2017	0.70	1.40	4.46	1.57	1.30	3.38	4.03	16.88	15.03	11.50	14.31	20.15	NORM	NORM	DRY	NORM	NORM	2017
2018	2.50	2.38	2.66	4.77	5.26	2.94	4.98	15.24	22.01	27.98	24.11	26.08	NORM	NORM	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.89	1.59	1.94	March	1.59
April	1.42	2.31	2.80	April	2.31
May	1.79	3.22	3.92	May	3.22
June	2.34	3.95	4.80	June	3.95
July	2.04	3.21	3.87	July	3.21
August	2.07	3.11	3.73	August	3.11
Sept.	1.39	2.58	3.15	Sept.	2.58
Jun-MAM	9.10	15.87	19.30		
Jul-JMA	12.02	20.60	25.04		
Aug-JJM	12.59	20.75	25.13		
Sep-AJJ	12.63	19.70	23.73		
Oct-SAJ	10.35	17.17	20.78		

Note:
Wentworth 2 WNW NWS Station (SD9042) has not collected data as of Aug 2006.
Madison 2 SE NWS Station (SD5090) was used for Jul 1990; Aug, Sep 2006; 2007; Mar 2008; 2010-2018.
Chester 2 N NWS Station (SD1636) was used for Mar, Apr, Jun, Aug, Sep 2008; Mar-Sep 2009.
Colton NWS Station (SD1851) was used for May, Jul 2008.

Rainfall Data
Wessington 2 SE
Station #SD9064
Beadle County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	Year
1939	0.12	0.47	3.66	3.60	1.60	0.99	0.51	12.04	18.59	15.66	9.77	5.11	NORM	NORM	NORM	NORM	DRY	1939
1947	1.26	2.75	0.75	4.74	1.09	0.83	2.21	9.01	18.47	13.50	9.41	9.38	NORM	NORM	NORM	NORM	NORM	1947
1948	0.42	3.10	1.26	6.20	1.69	2.48	2.84	10.40	24.22	18.73	17.02	15.17	NORM	WET	NORM	WET	WET	1948
1952	0.70	0.41	0.73	2.67	1.75	1.50	0.00	3.71	9.88	11.32	10.67	4.75	DRY	DRY	NORM	NORM	DRY	1952
1953	1.86	4.58	1.75	3.80	1.78	1.08	0.00	16.27	19.48	14.69	10.60	3.94	NORM	NORM	NORM	NORM	DRY	1953
1957	0.20	3.41	5.28	2.94	2.41	2.50	2.59	22.86	22.79	18.39	15.26	15.18	WET	WET	NORM	NORM	WET	1957
1964	0.40	3.06	4.33	1.35	0.85	1.88	0.79	19.51	15.77	9.58	8.69	6.98	WET	NORM	DRY	NORM	NORM	1964
1965	0.86	2.48	4.16	3.86	0.55	1.02	3.74	18.30	22.38	13.53	8.02	13.81	NORM	WET	NORM	DRY	NORM	1965
1970	1.70	4.94	3.21	3.02	2.36	2.18	0.69	21.21	20.42	16.33	14.28	8.79	WET	NORM	NORM	NORM	NORM	1970
1978	0.28	3.75	3.07	2.94	3.12	2.52	1.39	16.99	18.71	18.31	16.74	12.33	NORM	NORM	NORM	NORM	NORM	1978
1979	1.90	1.87	2.03	2.97	2.96	4.61	0.00	11.73	14.84	16.85	22.72	12.18	NORM	NORM	NORM	WET	NORM	1979
1980	0.49	1.42	2.01	4.00	2.60	3.52	0.30	9.36	17.44	17.81	19.76	10.54	NORM	NORM	NORM	WET	NORM	1980
1981	2.66	0.30	0.73	2.12	2.10	2.56	0.76	5.45	8.12	11.27	14.00	9.50	DRY	DRY	NORM	NORM	NORM	1981
1982	1.40	0.99	6.26	0.87	4.53	1.45	2.01	22.16	16.12	21.59	14.28	13.46	WET	NORM	WET	NORM	NORM	1982
1983	1.83	0.90	1.94	4.41	1.48	0.77	2.22	9.45	18.01	15.20	9.68	9.68	NORM	NORM	NORM	NORM	NORM	1983
1984	1.54	2.84	2.44	5.49	0.69	2.10	0.87	14.54	24.19	15.49	13.17	7.50	NORM	WET	NORM	NORM	NORM	1984
1985	4.01	1.57	2.03	2.36	4.67	2.57	1.06	13.24	12.71	20.76	19.41	12.99	NORM	NORM	WET	WET	NORM	1985
1986	1.56	5.08	3.15	1.27	4.21	1.09	5.37	21.17	15.19	18.32	12.96	22.50	WET	NORM	NORM	NORM	WET	1986
1987	4.36	1.16	1.42	1.04	1.37	2.26	0.95	10.94	7.12	7.61	10.56	8.74	NORM	DRY	DRY	NORM	NORM	1987
1988	0.75	1.91	5.40	0.40	2.89	1.81	3.13	20.77	13.91	14.87	11.61	15.90	WET	NORM	NORM	NORM	WET	1988
1989	2.23	3.03	1.22	1.89	1.66	1.36	1.73	11.95	11.14	9.98	9.29	9.57	NORM	NORM	NORM	NORM	NORM	1989
1990	0.40	1.85	5.02	4.12	1.35	1.52	0.39	19.16	24.25	17.31	11.38	5.56	WET	WET	NORM	NORM	DRY	1990
1991	0.93	6.38	6.09	2.69	1.96	2.32	3.39	31.96	26.63	17.35	13.57	16.77	WET	WET	NORM	NORM	WET	1991
1992	0.62	0.65	0.45	4.88	6.59	2.21	1.32	3.27	16.19	29.98	24.69	14.97	DRY	NORM	WET	WET	NORM	1992
1993	1.60	2.65	3.11	6.88	3.17	0.86	1.43	16.23	29.51	26.38	15.80	9.18	NORM	WET	WET	NORM	NORM	1993
1994	0.12	4.34	0.76	3.84	3.17	3.88	1.30	11.08	17.38	17.95	21.82	14.83	NORM	NORM	NORM	WET	NORM	1994
1995	3.62	5.81	6.78	2.62	1.22	2.19	3.11	35.58	27.23	15.68	11.63	14.93	WET	WET	NORM	NORM	NORM	1995
1996	1.00	0.20	5.03	1.44	1.73	0.47	7.54	16.49	14.58	13.10	6.31	25.29	NORM	NORM	NORM	DRY	WET	1996
1997	0.00	2.45	2.82	1.80	6.83	2.60	2.21	13.36	13.49	26.91	23.26	18.66	NORM	NORM	WET	WET	WET	1997
1998	1.79	1.72	3.73	3.35	2.16	3.60	0.00	16.42	19.23	16.91	18.47	9.36	NORM	NORM	NORM	WET	NORM	1998
1999	0.45	2.50	4.24	3.55	1.64	3.39	2.30	18.17	21.63	16.26	17.00	15.32	NORM	WET	NORM	WET	WET	1999
2000	0.15	2.08	3.47	2.40	3.98	2.90	0.00	14.72	16.22	20.21	19.06	9.78	NORM	NORM	WET	WET	NORM	2000
2001	0.00	7.34	2.65	4.24	1.28	0.64	2.17	22.63	25.36	14.97	8.72	9.07	WET	WET	NORM	NORM	NORM	2001
2002	1.52	1.65	1.62	0.55	0.84	3.51	0.44	9.68	6.54	5.24	12.76	9.18	NORM	DRY	DRY	NORM	NORM	2002
2003	0.48	1.69	2.20	3.08	2.00	1.08	1.38	10.46	15.33	14.36	10.32	8.30	NORM	NORM	NORM	NORM	NORM	2003
2004	2.42	1.12	3.07	3.33	4.75	1.91	3.50	13.87	17.25	23.98	18.56	19.07	NORM	NORM	WET	WET	WET	2004
2005	0.35	0.89	2.63	8.33	1.93	1.2	5.34	10.02	31.14	25.08	15.79	20.35	NORM	WET	WET	NORM	WET	2005
2006	1.88	1.34	1.16	1.79	0.12	6.26	3.00	8.04	9.03	5.10	20.81	21.64	DRY	DRY	DRY	WET	WET	2006
2007	2.15	2.33	9.16	4.80	0.10	7.60	1.27	34.29	35.05	19.06	27.80	19.11	WET	WET	NORM	WET	WET	2007
2008	1.26	2.61	2.93	5.78	5.34	0.75	5.03	15.27	25.81	30.51	18.71	21.93	NORM	WET	WET	WET	WET	2008
2009	2.70	1.57	0.58	4.04	3.05	3.17	0.83	7.58	14.85	17.81	19.65	11.88	DRY	NORM	NORM	WET	NORM	2009
2010	1.75	3.82	5.20	9.82	5.61	1.89	3.42	24.99	43.68	41.67	26.71	19.65	WET	WET	WET	WET	WET	2010
2011	1.09	2.68	5.25	4.95	1.87	3.19	0.55	22.20	28.03	20.76	18.26	9.90	WET	WET	WET	WET	NORM	2011
2012	0.57	5.65	2.92	1.20	0.58	0.65	0.10	20.63	15.09	7.06	4.31	2.18	WET	NORM	DRY	DRY	DRY	2012
2013	0.67	3.53	5.17	5.37	1.08	0.94	0.80	23.24	29.98	19.15	10.35	5.36	WET	WET	NORM	NORM	DRY	2013
2014	0.13	0.90	2.85	3.18	3.08	1.53	0.76	10.48	16.14	18.45	13.93	8.42	NORM	NORM	NORM	NORM	NORM	2014
2015	0.07	0.40	5.46	4.70	2.43	3.88	0.41	17.25	25.42	22.15	21.20	11.42	NORM	WET	WET	WET	NORM	2015
2016	0.32	4.75	2.74	2.25	0.92	3.43	2.34	18.04	16.98	10.00	14.38	14.80	NORM	NORM	NORM	NORM	NORM	2016
2017	0.84	0.83	1.45	3.65	4.44	1.94	4.02	6.85	14.68	22.07	18.35	20.38	DRY	NORM	WET	WET	WET	2017
2018	1.35	2.21	0.36	3.30	3.35	2.36	3.50	6.85	12.83	17.01	17.08	18.57	DRY	NORM	NORM	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound
March	0.64	1.53	1.86
April	1.35	2.42	2.95
May	1.78	3.10	3.78
June	1.77	2.84	3.43
July	1.45	2.47	2.99
August	1.31	2.07	2.49
Sept.	0.80	1.87	2.37
Jun-MAM	8.68	15.67	19.10
Jul-JMA	10.22	17.14	20.80
Aug-JJM	9.67	16.19	19.61
Sep-AJJ	8.60	13.99	16.88
Oct-SAJ	6.47	12.22	15.08

Normals are for 1971-2000 data

March 1.53

April 2.42

May 3.10

June 2.84

July 2.47

August 2.07

Sept. 1.87

Note:

Huron AP NWS Station (SD4127) was used for 1939; 1947; 1948; Mar 1952; Apr-Sep 1985; Mar-May 1986.

Rainfall Data
Wessington Springs
Station #SD9070
Jerauld County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	Year
1938	1.38	5.82	4.31	2.23	1.47	0.59	1.78	25.95	21.13	13.18	6.94	7.99	WET	NORM	NORM	DRY	NORM	1938
1939	0.25	0.63	4.36	4.06	2.20	1.07	1.58	14.59	21.53	19.08	11.67	9.08	NORM	NORM	NORM	NORM	NORM	1939
1940	2.00	1.91	0.54	2.56	1.21	1.49	0.61	7.44	10.67	9.29	9.45	6.02	DRY	DRY	DRY	NORM	DRY	1940
1941	0.68	3.68	2.00	3.17	2.51	3.32	4.44	14.04	17.19	15.87	18.15	22.47	NORM	NORM	NORM	NORM	WET	1941
1947	0.34	2.41	0.28	7.24	0.52	0.74	0.86	6.00	24.69	16.32	10.50	4.58	DRY	WET	NORM	NORM	DRY	1947
1948	0.35	2.34	1.55	3.48	5.11	3.42	2.22	9.68	15.88	23.84	23.96	18.61	DRY	NORM	WET	WET	WET	1948
1952	0.59	0.28	1.68	3.05	0.91	3.00	0.02	6.19	12.79	10.51	13.87	6.97	DRY	NORM	DRY	NORM	NORM	1952
1953	1.81	5.20	2.75	6.69	4.21	1.54	0.20	20.46	30.77	28.76	19.73	7.89	NORM	WET	WET	WET	NORM	1953
1955	0.24	3.32	3.04	1.98	2.42	0.70	0.96	16.00	15.34	14.26	8.92	6.70	NORM	NORM	NORM	NORM	NORM	1955
1957	0.50	1.76	8.43	3.23	5.81	0.81	1.50	29.31	28.31	32.32	17.28	11.93	WET	WET	WET	NORM	NORM	1957
1963	1.84	3.20	2.53	4.06	2.83	0.93	2.11	15.83	20.44	19.14	12.51	11.02	NORM	NORM	NORM	NORM	NORM	1963
1964	0.99	3.33	3.22	1.48	2.95	1.18	0.41	17.31	14.21	15.03	10.92	6.54	NORM	NORM	NORM	NORM	NORM	1964
1965	1.10	1.97	5.91	3.75	1.82	0.71	4.64	22.77	25.04	18.87	9.52	17.16	WET	WET	NORM	NORM	WET	1965
1970	2.95	4.58	1.91	3.56	2.07	0.82	1.39	17.84	19.08	15.24	10.16	7.88	NORM	NORM	NORM	NORM	NORM	1970
1975	2.32	2.54	0.96	4.20	0.32	2.78	1.89	10.28	17.06	10.32	13.18	11.55	DRY	NORM	DRY	NORM	NORM	1975
1977	6.61	2.97	2.57	2.12	0.73	2.01	2.79	20.26	14.47	9.00	9.61	13.12	NORM	NORM	DRY	NORM	NORM	1977
1978	0.28	4.23	4.46	1.81	3.24	0.54	0.88	22.12	18.58	17.80	9.91	6.96	NORM	NORM	NORM	NORM	NORM	1978
1979	2.20	1.94	2.38	2.49	4.40	3.05	0.10	13.22	14.17	20.56	20.44	10.80	NORM	NORM	NORM	WET	NORM	1979
1980	1.13	1.07	1.58	3.52	0.94	3.93	0.31	8.01	14.79	11.44	17.19	9.73	DRY	NORM	NORM	NORM	NORM	1980
1981	2.68	0.32	1.14	2.30	3.75	3.82	1.09	6.74	9.50	16.99	21.26	14.66	DRY	DRY	NORM	WET	NORM	1981
1982	2.06	1.07	7.34	1.55	4.46	4.50	3.07	26.22	20.40	23.82	23.97	22.67	WET	NORM	WET	WET	WET	1982
1983	3.18	1.77	2.36	3.99	2.88	2.07	2.41	13.80	18.46	18.98	15.96	14.25	NORM	NORM	NORM	NORM	NORM	1983
1984	1.26	4.11	2.98	6.04	1.20	3.03	0.86	18.42	28.19	18.66	17.53	9.84	NORM	WET	NORM	NORM	NORM	1984
1985	1.53	1.37	2.83	3.48	2.01	2.42	4.43	12.76	17.47	15.82	14.76	20.14	NORM	NORM	NORM	NORM	WET	1985
1986	1.85	5.25	4.94	5.46	3.00	2.00	5.95	27.17	31.51	24.86	17.46	24.85	WET	WET	WET	NORM	WET	1986
1987	5.61	0.70	4.38	1.39	4.51	4.19	1.24	20.15	13.63	20.69	22.98	16.61	NORM	NORM	NORM	WET	NORM	1987
1988	1.72	2.35	6.08	0.53	1.45	1.69	3.44	24.66	16.10	11.49	8.50	15.15	WET	NORM	NORM	DRY	NORM	1988
1989	2.35	1.54	1.07	2.53	3.94	1.23	2.33	8.64	11.27	17.95	14.10	13.39	DRY	DRY	NORM	NORM	NORM	1989
1990	1.34	3.05	6.37	5.02	3.35	1.88	0.45	26.55	30.85	26.46	17.36	8.46	WET	WET	WET	NORM	NORM	1990
1991	1.11	4.43	6.47	4.33	0.67	3.14	1.47	29.38	30.36	17.14	15.09	11.36	WET	WET	NORM	NORM	NORM	1991
1992	1.37	1.50	1.30	3.31	5.42	4.21	2.40	8.27	14.03	24.18	26.78	21.04	DRY	NORM	WET	WET	WET	1992
1993	1.92	3.35	4.01	6.90	3.98	0.05	3.10	20.65	32.07	29.75	15.01	13.38	NORM	WET	WET	NORM	NORM	1993
1994	0.20	3.60	1.32	4.59	2.75	1.60	1.85	11.36	20.01	18.75	14.89	11.50	NORM	NORM	NORM	NORM	NORM	1994
1995	3.66	5.70	7.60	1.85	2.53	2.00	4.12	37.86	26.45	18.89	12.91	18.89	WET	WET	NORM	NORM	WET	1995
1996	1.52	1.08	6.31	1.14	2.97	0.48	7.54	22.61	17.12	17.50	8.52	26.55	WET	NORM	NORM	DRY	WET	1996
1997	0.48	3.15	3.65	2.14	3.82	2.67	2.45	17.73	16.87	19.39	17.79	16.51	NORM	NORM	NORM	NORM	NORM	1997
1998	1.11	3.54	2.33	6.12	2.69	3.96	0.43	15.18	26.56	22.64	23.38	11.90	NORM	WET	WET	WET	NORM	1998
1999	0.84	3.93	4.72	3.29	1.42	3.01	2.04	22.86	23.24	15.56	15.16	13.56	WET	NORM	NORM	NORM	NORM	1999
2000	0.41	2.45	3.16	1.87	3.95	1.72	0.26	14.79	14.38	18.75	14.93	8.17	NORM	NORM	NORM	NORM	NORM	2000
2001	0.47	8.81	3.49	2.70	3.66	0.00	2.11	28.56	23.89	19.87	10.02	9.99	WET	WET	NORM	NORM	NORM	2001
2002	1.57	2.18	1.97	2.30	0.57	4.09	1.30	11.84	13.02	8.28	15.71	12.65	NORM	NORM	DRY	NORM	NORM	2002
2003	0.51	2.59	2.25	5.05	3.28	1.54	2.80	12.44	22.24	22.19	16.23	14.76	NORM	NORM	NORM	NORM	NORM	2003
2004	3.22	1.53	4.35	4.33	2.38	3.40	6.09	19.33	23.22	20.15	19.29	27.45	NORM	NORM	NORM	WET	WET	2004
2005	0.57	1.87	3.75	6.92	1.35	1.92	4.25	15.56	30.13	21.64	15.38	17.94	NORM	WET	NORM	NORM	WET	2005
2006	0.85	2.26	1.98	1.96	0.46	3.71	6.02	11.31	12.10	7.28	14.01	25.94	NORM	DRY	DRY	NORM	WET	2006
2007	2.96	4.27	7.85	4.60	0.22	4.14	1.35	35.05	33.77	17.71	17.46	12.55	WET	WET	NORM	NORM	NORM	2007
2008	1.38	2.41	2.95	3.94	2.87	1.36	2.90	15.05	20.13	19.44	13.76	14.29	NORM	NORM	NORM	NORM	NORM	2008
2009	1.62	2.16	1.86	6.29	6.04	1.74	1.37	11.52	24.75	32.56	23.59	13.63	NORM	WET	WET	WET	NORM	2009
2010	1.41	3.46	3.44	10.44	10.78	3.95	3.97	18.65	41.66	56.66	43.85	30.59	NORM	WET	WET	WET	WET	2010
2011	1.00	3.36	4.64	5.29	2.90	1.53	0.34	21.64	28.51	23.92	15.68	6.98	NORM	WET	WET	NORM	NORM	2011
2012	1.04	5.84	3.06	4.13	0.25	1.12	1.61	21.90	24.35	12.07	7.99	7.32	NORM	WET	NORM	DRY	NORM	2012
2013	1.65	3.03	5.20	3.94	2.61	2.33	1.18	23.31	25.25	20.91	16.15	10.81	WET	WET	NORM	NORM	NORM	2013
2014	0.38	1.40	1.46	3.76	1.44	5.01	0.19	7.56	15.60	13.30	21.67	12.03	DRY	NORM	NORM	WET	NORM	2014
2015	0.09	0.98	4.05	3.13	5.90	5.67	5.15	14.20	18.47	28.01	31.94	32.69	NORM	NORM	WET	WET	WET	2015
2016	1.38	5.12	2.73	2.82	0.84	6.26	1.93	19.81	19.04	10.89	23.28	19.15	NORM	NORM	DRY	WET	WET	2016
2017	0.81	1.70	1.68	1.28	4.16	2.89	5.91	9.25	8.90	16.72	18.27	27.67	DRY	DRY	NORM	NORM	WET	2017
2018	1.74	2.12	1.77	3.43	3.06	2.04	3.09	11.29	15.95	17.81	15.67	16.41	DRY	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.96	1.86	2.27	March	1.86
April	1.65	2.64	3.19	April	2.64
May	2.35	3.78	4.57	May	3.78
June	2.01	3.12	3.76	June	3.12
July	1.65	2.82	3.43	July	2.82
August	1.14	2.22	2.71	August	2.22
Sept.	0.84	2.16	2.62	Sept.	2.16

Note:
Gann Valley 4 NW NWS Station (SD3217) was used for 1938-1941; 1947;
1948; Aug 1964.

Jun-MAM	11.31	18.48	22.36
Jul-JMA	12.38	19.56	23.61
Aug-JJM	11.32	18.48	22.38
Sep-AJJ	8.73	15.42	18.75
Oct-SAJ	6.45	13.74	16.71

Rainfall Data
Westport
Station #SD9138
Brown County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1957	0.10	4.38	4.67	3.84	2.61	5.84	2.19	22.87	25.24	20.18	26.58	20.86	WET	WET	NORM	WET	WET	1957
1965	1.00	3.18	3.02	3.35	3.04	2.45	2.60	16.42	19.27	18.84	16.78	15.74	WET	NORM	NORM	NORM	WET	1965
1970	2.59	3.66	2.33	1.91	3.11	0.25	1.12	16.90	14.05	15.48	8.88	6.97	WET	NORM	NORM	DRY	NORM	1970
1978	0.73	2.00	3.44	7.04	1.67	3.29	0.00	15.05	30.00	22.53	20.25	8.25	NORM	WET	WET	WET	NORM	1978
1979	1.57	2.49	2.15	4.05	3.11	0.61	0.41	13.00	18.94	19.58	12.10	5.56	NORM	NORM	NORM	NORM	DRY	1979
1980	0.54	0.58	2.52	2.40	1.08	5.05	0.83	9.26	12.82	10.56	19.71	13.67	NORM	NORM	NORM	WET	NORM	1980
1981	0.70	1.21	1.71	3.19	5.69	1.62	0.98	8.25	14.20	25.16	19.43	11.87	NORM	NORM	WET	WET	NORM	1981
1982	0.72	0.39	2.33	2.08	3.11	0.70	2.08	8.49	11.29	15.82	10.40	10.75	NORM	NORM	NORM	NORM	NORM	1982
1983	2.14	0.61	1.50	4.93	7.52	3.46	1.16	7.86	18.40	33.92	30.35	17.92	NORM	NORM	WET	WET	WET	1983
1984	2.03	2.63	0.85	5.30	1.70	0.78	0.79	9.84	20.23	16.55	11.04	5.63	NORM	NORM	NORM	NORM	DRY	1984
1985	1.75	0.55	3.12	1.95	1.35	3.67	3.50	12.21	12.64	11.07	15.66	19.19	NORM	NORM	NORM	NORM	WET	1985
1986	0.16	10.56	3.14	1.41	3.90	3.90	1.56	30.70	21.07	17.66	20.91	16.38	WET	WET	NORM	WET	WET	1986
1987	1.89	0.00	1.48	0.70	4.20	1.38	1.92	6.33	5.06	15.48	13.24	12.72	DRY	DRY	NORM	NORM	NORM	1987
1988	0.25	0.11	4.05	1.40	1.39	2.65	3.92	12.62	12.41	11.02	12.13	18.45	NORM	NORM	NORM	NORM	WET	1988
1989	1.50	2.10	0.15	2.82	3.30	2.70	2.15	6.15	10.86	15.69	17.52	15.15	DRY	NORM	NORM	NORM	NORM	1989
1990	1.10	2.66	1.65	6.17	1.96	2.10	1.50	11.37	24.47	19.87	16.39	10.66	NORM	WET	NORM	NORM	NORM	1990
1991	0.74	3.28	5.81	4.13	0.55	1.47	0.64	24.73	27.29	15.72	9.64	5.41	WET	WET	NORM	NORM	DRY	1991
1992	0.93	0.34	2.20	5.71	2.54	1.74	2.19	8.21	21.87	21.24	16.01	12.59	NORM	WET	NORM	NORM	NORM	1992
1993	0.76	1.40	3.80	7.01	10.29	4.51	1.68	14.96	30.03	48.69	41.12	24.35	NORM	WET	WET	WET	WET	1993
1994	0.20	1.39	0.33	0.77	4.26	3.52	2.03	3.97	4.36	14.65	19.85	17.39	DRY	DRY	NORM	WET	WET	1994
1995	0.52	1.49	4.14	0.96	3.35	1.46	1.21	15.92	12.65	16.11	12.04	9.90	NORM	NORM	NORM	NORM	NORM	1995
1996	0.00	0.30	5.20	3.00	0.25	0.50	5.25	16.20	19.70	11.95	5.00	17.00	NORM	NORM	NORM	DRY	WET	1996
1997	0.69	2.07	1.57	2.21	3.54	0.52	1.33	9.54	11.84	16.61	10.85	8.57	NORM	NORM	NORM	NORM	NORM	1997
1998	1.61	2.01	4.93	5.56	1.07	4.21	0.13	20.42	28.55	19.26	20.33	9.88	WET	WET	NORM	WET	NORM	1998
1999	1.08	1.13	2.76	4.31	3.63	1.91	8.27	11.62	19.58	22.27	17.30	32.26	NORM	NORM	WET	NORM	WET	1999
2000	1.30	1.06	2.28	6.39	3.61	1.85	0.62	10.26	24.79	25.89	19.16	9.17	NORM	WET	WET	WET	NORM	2000
2001	0.20	4.11	0.99	2.73	4.21	0.47	0.96	11.39	14.28	19.08	12.56	8.03	NORM	NORM	NORM	NORM	NORM	2001
2002	0.37	0.03	1.50	0.62	5.40	2.94	1.17	4.93	4.89	18.94	20.24	14.79	DRY	DRY	NORM	WET	NORM	2002
2003	0.17	3.70	4.90	6.99	2.44	2.14	1.33	22.27	34.47	26.20	18.29	10.71	WET	WET	WET	NORM	NORM	2003
2004	1.72	0.39	7.86	3.26	2.78	0.90	4.54	26.08	25.89	22.72	11.52	18.20	WET	WET	WET	NORM	WET	2004
2005	0.03	0.4	2.57	8.21	3.38	3.32	2.14	8.54	30.17	29.13	24.93	16.44	NORM	WET	WET	WET	WET	2005
2006	0.95	2.29	2.29	0.98	0.79	4.58	2.84	12.40	9.81	6.62	16.30	18.47	NORM	DRY	DRY	NORM	WET	2006
2007	1.26	3.44	9.03	3.63	2.73	3.01	2.53	35.23	32.39	24.48	18.12	16.34	WET	WET	WET	NORM	WET	2007
2008	1.10	1.31	2.61	3.22	4.46	3.51	4.35	11.55	16.19	22.43	22.67	24.53	NORM	NORM	WET	WET	WET	2008
2009	1.86	1.82	0.85	5.38	3.67	6.68	4.47	8.05	19.66	22.62	32.76	30.44	NORM	NORM	WET	WET	WET	2009
2010	1.43	1.39	4.68	3.60	3.46	1.67	5.87	18.25	21.55	22.26	15.53	24.41	WET	WET	WET	NORM	WET	2010
2011	1.08	2.33	2.82	5.93	7.50	1.48	0.42	14.20	25.76	37.18	25.37	11.72	NORM	WET	WET	WET	NORM	2011
2012	0.72	3.55	1.84	1.94	3.73	1.38	0.33	13.34	13.05	16.91	13.54	7.48	NORM	NORM	NORM	NORM	NORM	2012
2013	0.24	2.03	3.72	3.04	3.07	0.25	3.34	15.46	18.59	19.01	9.93	13.59	NORM	NORM	NORM	NORM	NORM	2013
2014	0.20	2.70	1.75	4.01	0.57	6.03	0.50	10.85	18.23	11.48	23.24	14.13	NORM	NORM	NORM	WET	NORM	2014
2015	0.42	0.30	6.29	3.02	3.74	8.32	0.47	19.89	21.94	23.55	35.46	21.79	WET	WET	WET	WET	WET	2015
2016	0.59	4.23	1.78	2.36	3.38	2.56	0.90	14.39	14.87	16.64	16.80	11.20	NORM	NORM	NORM	NORM	NORM	2016
2017	0.36	1.63	1.71	2.48	1.24	1.96	3.00	8.75	12.49	10.39	10.84	14.16	NORM	NORM	NORM	NORM	NORM	2017
2018	1.56	1.25	0.65	3.58	4.89	2.18	2.77	6.01	13.29	22.48	19.90	17.56	DRY	NORM	WET	WET	WET	2018

30% Lower Bound N 30% Upper Bound

Normals are for 1971-2000 data

NOTE:

Westport 1 N NWS Station (SD9136) was used for Aug-Sep 1980; Mar, Aug, Sep 1981; Mar-Aug 1982; 1983-1988; Apr-Sep 1989; 2000; 2001; Apr-Sep 2002; 2003; 2004; Apr-May 2005.

Columbia 8 N NWS Station (SD1873) was used for 1957; 1965; 1970; 1978; 1979; Mar-Jul 1980; Apr-Jul 1981; Sep 1982; Mar 1989; Mar, Apr 1990; 1997-1999; Mar 2002.

Westport NWS Station (SD9138) has been replaced with Westport 2NW NWS Station (SD9138) as of Mar 2017.

Jun-MAM	7.6	13.4	16.2
Jul-JMA	10.1	17.3	21.0
Aug-JJM	10.2	17.8	21.6
Sep-AJJ	9.0	15.6	19.0
Oct-SAJ	6.3	12.6	15.3

Rainfall Data
White Lake
Station #SD9232
Aurora County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1939	0.20	0.58	3.28	2.71	2.59	1.77	1.94	11.20	15.27	16.47	13.20	11.95	NORM	NORM	NORM	NORM	NORM	1939
1941	0.39	3.74	4.02	3.87	1.16	1.82	1.69	19.93	23.39	15.24	11.65	9.87	NORM	WET	NORM	NORM	NORM	1941
1955	0.35	1.98	2.32	2.48	1.41	4.09	0.87	11.27	14.06	11.51	17.57	12.20	NORM	NORM	DRY	NORM	NORM	1955
1963	1.73	1.77	2.11	5.41	6.23	0.37	2.70	11.60	22.22	31.62	18.98	15.07	NORM	NORM	WET	WET	NORM	1963
1964	1.43	3.91	3.70	4.07	4.61	1.27	1.55	20.35	23.52	25.67	17.10	11.80	NORM	WET	WET	NORM	NORM	1964
1975	2.04	1.36	1.51	4.09	0.31	1.66	2.61	9.29	16.65	10.62	9.69	11.46	DRY	NORM	DRY	NORM	NORM	1975
1977	3.67	3.13	3.86	1.54	1.21	4.34	3.25	21.51	15.47	10.57	16.98	19.64	WET	NORM	DRY	NORM	WET	1977
1980	0.70	0.20	1.34	3.60	0.97	3.08	0.23	5.12	13.68	11.45	14.78	7.82	DRY	NORM	DRY	NORM	NORM	1980
1981	1.92	1.15	1.62	2.25	2.50	4.93	0.80	9.08	11.14	13.62	22.04	14.76	DRY	DRY	NORM	WET	NORM	1981
1982	1.65	1.05	8.11	1.49	3.75	2.87	2.60	28.08	21.74	22.34	17.60	17.29	WET	NORM	NORM	NORM	WET	1982
1983	2.56	1.47	1.72	4.49	3.14	0.55	0.30	10.66	18.38	20.12	12.42	5.14	NORM	NORM	NORM	NORM	DRY	1983
1984	1.30	4.53	3.01	7.88	2.41	2.70	0.38	19.39	34.19	26.00	20.80	8.95	NORM	WET	WET	WET	NORM	1984
1985	2.05	2.63	3.27	2.30	1.50	6.52	2.85	17.12	16.07	12.37	24.86	23.09	NORM	NORM	NORM	WET	WET	1985
1986	2.05	4.97	3.68	5.05	1.78	0.25	6.36	23.03	27.48	19.12	9.36	21.36	WET	WET	NORM	NORM	WET	1986
1987	5.05	0.68	0.85	2.90	4.20	3.94	1.10	8.96	11.08	19.25	23.12	15.38	DRY	DRY	NORM	WET	NORM	1987
1988	0.95	1.83	5.10	1.26	0.91	0.82	3.30	19.91	15.81	10.35	5.54	12.45	NORM	NORM	DRY	DRY	NORM	1988
1989	1.38	1.09	1.53	2.80	2.55	1.30	0.97	8.15	12.55	14.78	11.80	8.06	DRY	NORM	NORM	NORM	NORM	1989
1990	1.57	1.80	5.41	3.78	2.92	2.04	0.10	21.40	23.96	21.73	15.74	7.30	WET	WET	NORM	NORM	NORM	1990
1991	0.60	4.65	4.92	2.37	1.27	1.05	1.10	24.66	21.60	13.47	8.06	6.67	WET	NORM	NORM	DRY	NORM	1991
1992	1.22	1.56	0.78	2.52	7.49	6.93	1.91	6.68	10.68	28.29	38.29	27.08	DRY	DRY	WET	WET	WET	1992
1993	1.10	4.04	3.84	5.96	6.32	1.01	2.75	20.70	29.60	34.72	21.63	16.59	NORM	WET	WET	WET	WET	1993
1994	0.00	2.89	1.39	3.95	2.89	0.86	1.84	9.95	17.52	17.96	12.31	10.13	DRY	NORM	NORM	NORM	NORM	1994
1995	3.15	4.72	7.10	1.68	1.58	1.57	3.88	33.89	23.96	15.20	9.55	16.36	WET	WET	NORM	NORM	NORM	1995
1996	0.00	0.70	7.67	2.52	1.58	3.03	8.40	24.41	23.60	17.45	14.77	32.84	WET	WET	NORM	NORM	WET	1996
1997	0.00	3.20	4.20	3.00	4.30	2.22	2.93	19.00	20.60	23.10	18.26	17.53	NORM	NORM	WET	NORM	WET	1997
1998	1.05	3.22	2.72	6.23	6.84	3.43	0.12	15.65	27.35	35.70	30.20	14.06	NORM	WET	WET	WET	NORM	1998
1999	0.42	3.92	5.42	4.63	2.92	3.60	2.01	24.52	28.65	23.44	21.27	16.15	WET	WET	WET	WET	NORM	1999
2000	0.61	1.88	3.61	1.63	1.86	1.55	0.46	15.20	13.99	12.45	10.00	6.34	NORM	NORM	NORM	NORM	NORM	2000
2001	0.10	5.98	3.10	2.63	1.07	0.00	3.66	21.36	20.07	11.57	4.77	12.05	WET	NORM	DRY	DRY	NORM	2001
2002	0.92	1.80	2.02	1.80	0.30	3.89	1.62	10.58	11.24	6.52	14.07	12.94	NORM	DRY	DRY	NORM	NORM	2002
2003	0.20	3.21	3.31	2.94	0.78	2.05	2.37	16.55	18.65	11.53	10.65	11.99	NORM	NORM	DRY	NORM	NORM	2003
2004	2.77	0.80	4.50	5.69	2.18	1.07	4.40	17.87	26.87	22.42	13.26	17.52	NORM	WET	NORM	NORM	WET	2004
2005	0.55	2.86	2.84	6.99	0.3	0.85	2.48	14.79	29.51	17.72	10.14	9.44	NORM	WET	NORM	NORM	NORM	2005
2006	0.75	3.73	0.65	1.85	0.60	2.40	3.91	10.16	10.58	6.15	10.25	17.13	DRY	DRY	DRY	NORM	WET	2006
2007	2.38	3.73	6.58	4.37	0.16	6.45	1.82	29.58	30.00	15.80	24.04	18.52	WET	WET	NORM	WET	WET	2007
2008	0.92	2.32	3.39	6.59	3.40	0.73	1.88	15.73	28.87	26.77	15.58	10.50	NORM	WET	WET	NORM	NORM	2008
2009	1.47	1.82	1.34	3.31	3.28	3.23	1.02	9.13	14.43	17.80	19.56	12.80	DRY	NORM	NORM	WET	NORM	2009
2010	0.85	3.22	3.62	6.45	7.44	2.54	2.87	18.15	29.81	38.84	28.95	21.13	NORM	WET	WET	WET	WET	2010
2011	1.02	2.74	4.12	6.62	1.64	2.35	0.35	18.86	30.84	22.28	16.95	7.39	NORM	WET	NORM	NORM	NORM	2011
2012	0.75	4.65	5.29	2.60	0.17	0.77	0.35	25.92	23.03	11.00	5.25	2.76	WET	NORM	DRY	DRY	DRY	2012
2013	1.00	3.51	5.97	3.65	2.94	1.35	1.42	25.93	26.40	22.09	13.58	9.90	WET	WET	NORM	NORM	NORM	2013
2014	0.71	1.40	1.44	3.52	2.22	6.03	1.64	7.83	14.84	15.14	26.05	19.20	DRY	NORM	NORM	WET	WET	2014
2015	0.10	0.50	3.64	3.15	5.67	2.24	1.85	12.02	17.23	26.95	21.21	15.70	NORM	NORM	WET	WET	NORM	2015
2016	1.37	4.71	5.20	1.76	0.65	3.10	6.65	26.39	20.39	10.67	12.36	26.80	WET	NORM	DRY	NORM	WET	2016
2017	0.36	3.80	1.55	0.91	1.33	4.52	4.10	12.61	9.63	7.36	17.13	22.67	NORM	DRY	DRY	NORM	WET	2017
2018	2.30	2.52	1.61	4.27	2.05	1.75	2.53	12.17	18.55	16.30	13.62	13.14	NORM	NORM	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.63	1.43	1.82	March	1.43
April	1.46	2.49	3.02	April	2.49
May	2.27	3.60	4.34	May	3.60
June	2.15	3.19	3.81	June	3.19
July	1.68	2.88	3.50	July	2.88
August	0.98	2.21	2.69	August	2.21
Sept.	0.69	2.09	2.50	Sept.	2.09

Note:
Academy 2 NE NWS Station (SD0043) was used for May-Aug 2004.

Jun-MAM	10.36	17.21	20.88
Jul-JMA	12.45	19.26	23.13
Aug-JJM	11.61	18.62	22.46
Sep-AJJ	8.45	15.58	18.88
Oct-SAJ	5.71	13.57	16.38

Rainfall Data
Wilmet
Station #SD9337
Roberts County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	Year
1939	0.28	0.84	3.50	6.31	3.51	4.03	1.05	12.46	26.77	26.65	25.42	14.72	NORM	WET	WET	WET	NORM	1939
1952	0.90	0.24	2.00	4.87	2.34	3.63	0.45	7.38	18.85	18.76	20.44	10.95	DRY	NORM	NORM	NORM	NORM	1952
1953	0.65	4.01	3.50	6.04	2.51	3.23	0.17	19.17	29.13	23.11	20.75	9.48	WET	WET	NORM	NORM	NORM	1953
1962	1.26	2.15	8.43	7.40	6.81	1.53	1.68	30.85	41.21	43.66	25.61	14.91	WET	WET	WET	WET	NORM	1962
1970	0.43	3.02	1.45	3.77	3.12	0.72	1.52	10.82	17.23	18.35	12.17	9.12	NORM	NORM	NORM	NORM	NORM	1970
1971	0.07	1.04	3.30	8.55	1.04	3.49	0.80	12.05	33.29	23.52	21.10	10.42	NORM	WET	WET	NORM	NORM	1971
1974	0.46	1.97	2.97	1.67	1.71	2.83	0.35	13.31	12.92	11.44	13.58	8.42	NORM	NORM	DRY	NORM	NORM	1974
1977	5.34	4.13	2.09	3.09	4.76	3.50	3.75	19.87	17.58	22.55	23.11	23.01	WET	NORM	NORM	WET	WET	1977
1978	0.83	2.29	4.59	4.59	2.51	4.09	1.60	19.18	25.24	21.30	21.88	15.49	WET	WET	NORM	WET	NORM	1978
1979	2.50	3.07	1.78	5.75	2.78	1.96	0.06	13.98	23.88	21.62	17.19	6.88	NORM	WET	NORM	NORM	DRY	1979
1980	0.70	0.53	2.66	4.19	2.79	1.79	0.61	9.74	18.42	19.41	15.14	8.20	NORM	NORM	NORM	NORM	NORM	1980
1981	1.19	0.87	2.46	4.96	5.87	1.13	0.37	10.31	20.67	29.99	20.09	9.24	NORM	NORM	WET	NORM	NORM	1981
1982	1.31	0.37	3.27	0.85	4.38	1.62	2.36	11.86	9.46	18.11	14.47	14.70	NORM	DRY	NORM	NORM	NORM	1982
1983	3.32	0.53	0.64	2.65	2.72	3.85	2.89	6.30	9.76	14.10	19.64	19.09	DRY	DRY	NORM	NORM	WET	1983
1984	2.73	2.99	1.37	9.82	1.39	2.59	1.53	12.82	35.19	25.18	20.37	11.16	NORM	WET	WET	NORM	NORM	1984
1985	1.51	1.81	2.26	1.45	1.86	3.78	3.77	11.91	10.68	10.74	16.51	20.73	NORM	NORM	DRY	NORM	WET	1985
1986	1.24	6.82	3.35	3.00	6.49	3.56	4.36	24.93	22.52	28.82	26.66	26.69	WET	WET	WET	WET	WET	1986
1987	1.88	0.50	2.40	0.70	4.17	0.71	1.58	10.08	7.40	16.31	11.17	10.33	NORM	DRY	NORM	NORM	NORM	1987
1988	1.13	0.52	2.73	0.70	1.50	5.65	4.34	10.36	8.08	8.63	20.65	25.82	NORM	DRY	DRY	NORM	WET	1988
1989	2.13	3.41	1.11	1.87	2.94	4.66	3.57	12.28	11.24	13.67	21.73	22.97	NORM	NORM	NORM	WET	WET	1989
1990	1.27	1.84	1.08	4.05	2.50	3.94	1.04	8.19	16.15	16.68	20.87	13.50	NORM	NORM	NORM	NORM	NORM	1990
1991	1.21	3.54	4.60	7.10	5.32	4.41	3.25	22.09	34.04	34.76	30.97	23.89	WET	WET	WET	WET	WET	1991
1992	0.92	1.34	1.25	5.41	2.11	1.08	2.11	7.35	20.07	18.40	12.87	10.60	DRY	NORM	NORM	NORM	NORM	1992
1993	1.56	2.15	2.54	4.80	5.75	1.34	1.99	13.48	21.63	29.39	20.32	14.40	NORM	WET	WET	NORM	NORM	1993
1994	0.61	3.99	1.89	2.33	5.68	3.37	1.58	14.26	14.76	23.59	23.80	17.16	NORM	NORM	WET	WET	NORM	1994
1995	3.99	3.11	3.31	2.81	4.14	3.99	2.03	20.14	18.16	21.35	23.06	18.21	WET	NORM	NORM	WET	WET	1995
1996	0.95	0.04	4.63	2.99	3.77	0.83	2.04	14.92	18.27	21.92	13.02	11.55	NORM	NORM	NORM	NORM	NORM	1996
1997	1.38	2.61	1.43	0.89	3.69	3.63	0.94	10.89	8.14	14.28	19.16	13.77	NORM	DRY	NORM	NORM	NORM	1997
1998	1.18	3.34	3.54	3.28	2.50	3.14	0.03	18.48	20.26	17.60	17.70	8.87	WET	NORM	NORM	NORM	NORM	1998
1999	1.01	1.39	1.82	3.40	2.90	3.22	2.01	9.25	15.23	17.32	18.86	15.37	NORM	NORM	NORM	NORM	NORM	1999
2000	0.67	2.82	2.19	2.27	4.58	0.66	1.43	12.88	14.01	20.47	13.41	10.19	NORM	NORM	NORM	NORM	NORM	2000
2001	0.46	6.93	2.83	5.72	3.48	0.67	2.15	22.81	29.75	24.71	14.69	11.27	WET	WET	WET	NORM	NORM	2001
2002	0.62	2.08	3.18	3.38	2.52	5.71	0.90	14.32	18.58	17.50	25.55	16.64	NORM	NORM	NORM	WET	NORM	2002
2003	0.24	2.24	2.96	4.88	2.95	0.49	1.67	13.60	22.80	21.57	12.25	8.94	NORM	WET	NORM	NORM	NORM	2003
2004	1.19	1.79	5.14	2.60	2.86	1.39	6.58	20.19	19.87	18.92	12.49	25.38	WET	NORM	NORM	NORM	WET	2004
2005	0.13	1.37	2.48	5.71	2.96	3.6	2.52	10.31	23.46	22.78	22.43	17.72	NORM	WET	NORM	WET	WET	2005
2006	0.11	3.26	2.34	1.93	0.73	2.41	6.80	13.65	13.73	8.39	10.62	25.95	NORM	NORM	DRY	DRY	WET	2006
2007	2.63	4.40	2.91	2.88	3.38	1.81	4.24	20.16	18.86	18.81	15.07	19.72	WET	NORM	NORM	NORM	WET	2007
2008	1.97	2.20	2.14	6.51	4.27	1.82	2.06	12.79	26.01	27.97	20.51	14.09	NORM	WET	WET	NORM	NORM	2008
2009	2.87	0.70	1.16	2.33	2.20	4.70	3.06	7.75	10.01	12.42	20.83	20.78	DRY	NORM	NORM	NORM	WET	2009
2010	1.32	2.17	2.46	3.31	2.58	4.03	4.11	13.04	17.02	16.82	20.56	22.97	NORM	NORM	NORM	NORM	WET	2010
2011	2.15	1.08	4.74	4.02	7.35	1.00	0.20	18.53	22.62	34.83	21.72	9.95	WET	WET	WET	WET	NORM	2011
2012	1.00	0.97	2.96	2.26	0.75	1.92	0.18	11.82	13.67	9.73	9.52	5.13	NORM	NORM	DRY	DRY	DRY	2012
2013	1.85	4.05	2.80	6.83	2.38	1.11	3.01	18.35	30.14	23.60	14.92	13.63	WET	WET	WET	NORM	NORM	2013
2014	0.39	2.95	1.83	6.85	1.40	2.25	0.42	11.78	27.16	19.73	16.40	7.16	NORM	WET	NORM	NORM	DRY	2014
2015	0.77	0.49	4.26	1.85	6.35	4.15	0.71	14.53	14.56	27.01	27.00	16.78	NORM	NORM	WET	WET	NORM	2015
2016	0.39	3.00	1.48	0.85	9.31	4.17	1.86	10.83	8.51	31.11	31.98	23.23	NORM	DRY	WET	WET	WET	2016
2017	0.33	2.23	2.43	2.81	0.86	6.51	3.79	12.08	15.52	10.63	24.06	25.25	NORM	NORM	DRY	WET	WET	2017
2018	1.92	0.66	2.76	4.57	4.83	0.96	1.47	11.52	19.89	26.39	17.11	11.16	NORM	NORM	WET	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.89	1.58	1.93	March	1.58
April	1.01	2.12	2.59	April	2.12
May	1.71	2.62	3.15	May	2.62
June	1.84	3.35	4.09	June	3.35
July	2.06	3.27	3.94	July	3.27
August	1.67	2.67	3.22	August	2.67
Sept.	0.78	1.86	2.28	Sept.	1.86
Jun-MAM	8.04	13.68	16.56		
Jul-JMA	9.95	17.41	21.16		
Aug-JJM	11.57	19.13	23.15		
Sep-AJJ	10.97	17.90	21.63		
Oct-SAJ	7.74	14.19	17.22		

Note:
Milbank 2 SSW NWS Station (SD5536) was used for 1939.

Rainfall Data
 Winner
 Station #SD9367
 Tripp County, SD

Portion of the table to be used with ☐
 the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	
1980	1.29	0.57	1.78	3.65	2.07	4.77	0.87	7.77	15.08	15.29	22.10	14.22	DRY	NORM	NORM	WET	NORM	1980
1981	2.95	0.96	3.38	3.01	5.12	2.75	0.65	15.01	16.75	24.76	21.50	12.57	NORM	NORM	WET	WET	NORM	1981
1982	1.70	1.55	7.77	4.67	5.25	2.66	2.80	28.11	31.10	32.86	23.15	18.97	WET	WET	WET	WET	WET	1982
1983	2.76	1.79	5.23	4.83	3.75	0.55	1.27	22.03	26.74	26.14	13.98	8.66	NORM	WET	WET	NORM	NORM	1983
1984	1.36	4.70	3.43	2.91	4.71	2.48	1.17	21.05	20.29	23.38	19.77	13.18	NORM	NORM	NORM	WET	NORM	1984
1985	1.28	2.75	0.62	2.51	3.89	4.07	2.10	8.64	11.52	17.31	22.50	18.33	DRY	DRY	NORM	WET	WET	1985
1986	1.90	3.92	5.19	4.89	2.47	2.82	7.67	25.31	28.97	22.38	18.29	31.12	WET	WET	NORM	NORM	WET	1986
1987	4.90	1.00	3.80	2.32	4.82	1.95	0.82	18.30	15.56	22.90	17.81	11.18	NORM	NORM	NORM	NORM	NORM	1987
1988	1.90	3.14	6.28	2.45	2.53	1.40	3.23	27.02	23.05	18.77	11.71	15.02	WET	NORM	NORM	NORM	NORM	1988
1989	1.02	1.24	1.24	2.00	3.05	2.20	1.17	7.22	9.72	14.39	14.70	10.96	DRY	DRY	NORM	NORM	NORM	1989
1990	2.36	2.03	5.67	4.27	3.87	2.14	0.48	23.43	26.18	25.82	18.43	9.59	WET	WET	WET	NORM	NORM	1990
1991	1.15	2.34	9.02	3.93	0.92	2.00	1.12	32.89	32.17	19.64	11.77	8.28	WET	WET	NORM	NORM	NORM	1991
1992	1.39	2.13	0.26	4.26	7.32	2.21	1.49	6.43	15.43	30.74	25.53	16.21	DRY	NORM	WET	WET	NORM	1992
1993	0.78	3.86	2.59	5.43	2.85	0.80	3.36	16.27	25.33	22.00	13.53	14.53	NORM	WET	NORM	NORM	NORM	1993
1994	0.30	2.44	1.02	5.83	5.12	3.65	0.80	8.24	21.97	28.04	27.02	14.82	DRY	NORM	WET	WET	NORM	1994
1995	2.37	6.39	7.02	2.79	1.30	0.71	3.61	36.21	28.80	16.50	7.52	13.55	WET	WET	NORM	DRY	NORM	1995
1996	1.22	0.56	6.69	1.70	2.30	1.09	7.37	22.41	19.04	16.99	9.57	26.59	NORM	NORM	NORM	DRY	WET	1996
1997	0.18	3.50	1.81	2.40	4.98	2.23	1.25	12.61	14.32	21.55	19.05	13.19	NORM	NORM	NORM	NORM	NORM	1997
1998	2.15	0.60	2.56	5.71	2.40	1.03	0.86	11.03	22.85	21.18	13.60	7.04	NORM	NORM	NORM	NORM	DRY	1998
1999	0.93	3.84	3.47	4.61	1.39	4.18	3.33	19.02	24.61	16.86	19.93	19.74	NORM	WET	NORM	WET	WET	1999
2000	0.12	1.44	4.25	2.47	1.13	0.40	0.66	15.75	17.35	12.58	5.93	3.91	NORM	NORM	DRY	DRY	DRY	2000
2001	0.29	6.64	4.04	2.36	4.25	0.28	3.72	25.69	21.80	21.51	11.70	15.97	WET	NORM	NORM	NORM	NORM	2001
2002	1.29	1.80	2.08	1.27	0.70	3.43	1.25	11.13	9.77	6.72	12.96	11.31	NORM	DRY	DRY	NORM	NORM	2002
2003	0.78	2.68	1.86	3.77	1.20	1.41	0.30	11.72	17.71	13.00	10.40	4.92	NORM	NORM	DRY	DRY	DRY	2003
2004	2.88	1.03	4.48	5.66	0.57	1.25	3.34	18.38	26.97	17.51	10.55	13.09	NORM	WET	NORM	DRY	NORM	2004
2005	1.40	3.89	4.20	6.56	0.45	1.21	1.8	21.78	31.97	18.67	11.09	8.27	NORM	WET	NORM	NORM	NORM	2005
2006	2.19	3.15	0.28	3.63	0.47	2.90	3.05	9.33	14.60	8.95	13.27	15.42	DRY	NORM	DRY	NORM	NORM	2006
2007	2.49	2.93	6.64	4.54	0.10	6.88	1.38	28.27	29.83	16.02	25.38	18.00	WET	WET	NORM	WET	WET	2007
2008	1.15	2.09	3.82	6.77	1.03	1.58	3.63	16.79	30.04	20.45	13.57	15.08	NORM	WET	NORM	NORM	NORM	2008
2009	0.43	3.65	0.66	4.27	2.89	5.09	0.97	9.71	17.78	17.87	25.32	15.98	DRY	NORM	NORM	WET	NORM	2009
2010	1.47	2.91	3.87	6.07	4.56	1.64	1.29	18.90	28.86	29.69	20.11	11.71	NORM	WET	WET	WET	NORM	2010
2011	1.08	2.50	4.23	7.03	4.91	3.03	0.28	18.77	32.05	33.02	25.94	11.81	NORM	WET	WET	WET	NORM	2011
2012	1.55	1.58	2.10	2.22	0.38	0.49	0.13	11.01	12.44	7.68	4.45	1.75	NORM	DRY	DRY	DRY	DRY	2012
2013	1.32	3.26	6.54	1.19	3.05	1.44	0.92	27.46	19.91	18.07	11.61	8.69	WET	NORM	NORM	NORM	NORM	2013
2014	0.27	2.79	1.47	5.04	0.45	3.27	1.12	10.26	20.85	12.90	15.75	10.35	DRY	NORM	DRY	NORM	NORM	2014
2015	0.26	0.92	3.03	3.84	1.86	2.63	4.31	11.19	18.50	16.29	15.45	20.05	NORM	NORM	NORM	NORM	WET	2015
2016	1.15	5.12	3.21	0.29	1.94	1.56	1.89	21.02	12.41	9.61	8.85	10.73	NORM	DRY	DRY	DRY	NORM	2016
2017	0.35	2.69	3.12	0.15	0.17	6.87	3.32	15.09	9.38	3.93	21.10	23.87	NORM	DRY	DRY	WET	WET	2017
2018	0.97	2.78	1.66	0.62	2.99	2.46	2.10	11.51	7.96	11.87	13.98	14.21	NORM	DRY	DRY	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.8	1.73	2.11	March	1.73
April	1.60	2.63	3.18	April	2.63
May	2.17	3.85	4.69	May	3.85
June	2.45	3.38	3.99	June	3.38
July	2.31	3.30	3.91	July	3.30
August	1.34	2.17	2.62	August	2.17
Sept.	0.98	2.09	2.56	Sept.	2.09

NOTE:

Gregory NWS Station (SD3452) was used for Apr-Jun 2008.

Jun-MAM	10.51	18.54	22.54
Jul-JMA	13.29	20.47	24.53
Aug-JJM	14.00	20.51	24.40
Sep-AJJ	11.09	16.49	19.67
Oct-SAJ	7.93	13.91	16.83

Rainfall Data
Wood
Station #SD9442
Mellette County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1938	1.71	4.27	2.50	2.12	1.58	1.14	0.86	17.75	15.63	11.48	8.70	6.44	NORM	NORM	NORM	NORM	NORM	1938
1963	1.34	2.48	2.78	5.00	2.71	0.69	2.88	14.64	23.04	20.91	12.49	12.73	NORM	WET	NORM	NORM	NORM	1963
1969	0.24	0.91	1.22	2.91	3.30	1.85	0.37	5.72	12.08	16.94	15.06	8.11	DRY	NORM	NORM	NORM	NORM	1969
1980	1.35	0.84	0.87	1.43	1.24	3.16	0.47	5.64	6.87	7.45	13.39	8.97	DRY	DRY	DRY	NORM	NORM	1980
1981	1.11	0.34	2.02	2.26	3.84	1.31	0.07	7.85	11.16	18.06	13.87	6.67	DRY	NORM	NORM	NORM	NORM	1981
1982	1.60	1.12	8.30	1.54	3.61	2.17	3.25	28.74	22.34	22.21	15.27	17.70	WET	WET	WET	NORM	WET	1982
1983	2.09	2.17	3.29	2.35	2.47	1.22	1.32	16.30	15.80	15.40	10.95	8.87	NORM	NORM	NORM	NORM	NORM	1983
1984	1.15	2.97	2.54	2.00	3.94	0.54	1.17	14.71	14.05	18.36	11.50	8.53	NORM	NORM	NORM	NORM	NORM	1984
1985	0.80	1.94	0.37	1.30	2.82	1.53	2.02	5.79	6.58	11.43	11.53	11.94	DRY	DRY	NORM	NORM	NORM	1985
1986	2.15	3.78	2.41	3.52	3.70	2.47	3.14	16.94	19.16	20.55	18.33	18.06	NORM	NORM	NORM	WET	WET	1986
1987	2.87	0.57	4.96	0.80	3.68	1.54	0.61	18.89	12.89	17.60	12.78	8.59	NORM	NORM	NORM	NORM	NORM	1987
1988	0.27	1.18	4.48	3.29	1.47	0.59	1.87	16.07	20.01	15.47	8.00	8.26	NORM	NORM	NORM	DRY	NORM	1988
1989	1.00	1.18	0.97	1.24	6.79	1.51	2.60	6.27	6.84	23.82	19.35	17.61	DRY	DRY	WET	WET	WET	1989
1990	2.42	1.56	5.14	3.83	4.29	1.09	0.25	20.96	23.33	25.67	15.68	7.22	WET	WET	WET	NORM	NORM	1990
1991	1.40	2.51	6.38	5.46	0.44	1.34	1.73	25.56	31.65	18.62	10.36	8.31	WET	WET	NORM	NORM	NORM	1991
1992	1.65	0.43	0.53	6.17	4.17	1.64	1.69	4.10	20.00	25.38	19.43	12.52	DRY	NORM	WET	WET	NORM	1992
1993	0.74	3.09	2.40	4.70	5.34	0.89	2.39	14.12	21.99	27.82	18.05	14.29	NORM	WET	WET	WET	WET	1993
1994	0.14	1.90	0.86	4.71	2.86	1.94	1.19	6.52	17.75	18.86	16.25	10.31	DRY	NORM	NORM	WET	NORM	1994
1995	1.22	4.17	6.70	3.54	1.51	2.26	1.23	29.66	28.19	18.31	13.34	9.72	WET	WET	NORM	NORM	NORM	1995
1996	0.52	0.97	6.75	1.01	1.94	0.99	5.73	22.71	17.50	14.59	7.86	21.11	WET	NORM	NORM	DRY	WET	1996
1997	0.11	3.17	2.22	5.81	4.16	2.71	1.65	13.11	25.04	26.32	22.26	14.53	NORM	WET	WET	WET	WET	1997
1998	2.43	0.26	2.76	5.59	4.71	0.58	0.63	11.23	22.55	28.07	16.75	7.76	NORM	WET	WET	WET	NORM	1998
1999	0.93	3.59	4.60	2.95	0.83	1.13	4.08	21.91	21.64	12.99	8.00	15.33	WET	WET	NORM	DRY	WET	1999
2000	0.28	2.76	5.06	2.71	2.12	0.29	0.53	20.98	21.01	16.84	7.82	4.29	WET	WET	NORM	DRY	DRY	2000
2001	0.51	5.35	3.24	3.45	4.14	0.30	3.12	20.93	22.18	22.56	12.63	14.10	WET	WET	WET	NORM	WET	2001
2002	1.49	1.36	1.56	0.66	0.93	3.52	2.23	8.89	6.46	5.67	13.08	14.66	DRY	DRY	DRY	NORM	WET	2002
2003	1.16	2.63	2.85	4.03	2.49	1.12	1.20	14.97	20.42	18.38	12.37	8.33	NORM	NORM	NORM	NORM	NORM	2003
2004	3.63	0.58	3.03	1.75	1.42	2.95	2.87	13.88	11.89	10.79	13.44	15.93	NORM	NORM	DRY	NORM	WET	2004
2005	1.56	4.3	3.35	6.05	0.98	1.93	0.44	20.21	29.15	18.39	13.80	6.16	WET	WET	NORM	NORM	DRY	2005
2006	2.49	2.06	0.11	1.99	0.63	4.25	3.05	6.94	8.25	5.98	16.00	18.28	DRY	DRY	DRY	WET	WET	2006
2007	2.41	1.71	6.11	2.51	0.09	2.74	0.99	24.16	21.46	11.40	10.91	8.54	WET	WET	NORM	NORM	NORM	2007
2008	1.04	2.04	3.56	6.37	1.74	0.35	2.39	15.80	28.27	21.52	10.90	9.61	NORM	WET	WET	NORM	NORM	2008
2009	0.87	3.04	1.07	5.23	3.31	2.49	0.43	10.16	20.87	21.46	19.32	9.58	NORM	NORM	WET	WET	NORM	2009
2010	1.50	3.11	1.83	4.60	2.64	1.46	0.95	13.21	20.57	18.95	14.26	8.41	NORM	NORM	NORM	NORM	NORM	2010
2011	0.86	1.68	4.17	8.13	4.38	1.44	0.74	16.73	34.41	33.57	21.21	9.48	NORM	WET	WET	WET	NORM	2011
2012	0.17	3.71	3.28	1.82	1.46	0.38	0.34	17.43	15.73	11.30	5.88	3.24	NORM	NORM	NORM	DRY	DRY	2012
2013	1.58	3.07	3.57	0.57	1.56	3.53	0.73	18.43	11.92	9.39	14.28	10.81	NORM	NORM	DRY	NORM	NORM	2013
2014	0.28	2.19	3.84	3.63	0.57	3.40	2.16	16.18	20.76	12.81	14.97	13.85	NORM	NORM	NORM	NORM	WET	2014
2015	0.30	0.95	5.00	2.96	3.87	3.55	1.78	17.20	19.83	22.53	21.35	16.31	NORM	NORM	WET	WET	WET	2015
2016	1.34	4.08	1.79	1.46	1.97	1.03	1.27	14.87	12.04	10.62	8.49	7.84	NORM	NORM	DRY	DRY	NORM	2016
2017	0.99	2.49	2.72	1.09	2.40	3.91	2.80	14.13	11.20	12.10	17.62	18.62	NORM	NORM	NORM	WET	WET	2017
2018	1.84	1.86	2.10	5.36	1.56	0.95	2.08	11.86	22.14	17.50	11.33	9.70	NORM	WET	NORM	NORM	NORM	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data	
March	0.60	1.30	1.59	March	1.30
April	1.17	2.09	2.55	April	2.09
May	2.08	3.42	4.14	May	3.42
June	1.75	2.79	3.37	June	2.79
July	1.86	2.84	3.41	July	2.84
August	1.07	1.61	1.92	August	1.61
Sept.	0.73	1.63	1.99	Sept.	1.63
Jun-MAM	9.18	15.74	19.11		
Jul-JMA	10.58	17.30	20.94		
Aug-JJM	11.16	17.52	21.11		
Sep-AJJ	8.68	13.30	15.95		
Oct-SAJ	6.19	10.95	13.22		

NOTE:

Mission NWS Station (SD5620) was used for 1984-1987; Sep 2000.
White River NWS Station (SD9896) was used for May 2012.

Rainfall Data
Yankton
Station #SD9502
Yankton County, SD

Portion of the table to be used with the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June	July	Aug	Sept	Oct	June	July	Aug	Sept.	Oct.	Year
1932	1.16	0.70	4.07	1.37	1.16	2.70	1.45	14.77	12.95	10.29	11.79	10.91	NORM	DRY	DRY	NORM	NORM	1932
1937	1.14	3.03	2.35	2.31	2.19	9.65	0.91	14.25	14.66	13.54	35.64	24.22	NORM	NORM	DRY	WET	WET	1937
1941	0.23	4.95	1.69	9.68	2.63	0.62	2.92	15.20	37.37	28.94	16.80	12.63	NORM	WET	WET	NORM	NORM	1941
1950	1.11	0.97	3.79	5.75	3.32	1.05	2.61	14.42	25.80	25.25	15.54	13.25	NORM	NORM	NORM	NORM	NORM	1950
1951	1.96	3.08	4.64	7.83	2.33	7.86	3.43	22.04	35.85	27.29	36.07	28.34	NORM	WET	WET	WET	WET	1951
1952	0.94	2.36	4.46	2.09	3.35	5.04	0.36	19.04	17.55	18.69	23.91	14.51	NORM	NORM	NORM	WET	NORM	1952
1953	1.07	4.53	3.54	2.46	2.16	2.45	1.90	20.75	18.99	14.94	14.13	12.76	NORM	NORM	NORM	NORM	NORM	1953
1954	2.04	2.26	2.04	7.93	1.66	1.66	3.72	12.68	30.13	22.88	16.23	16.14	NORM	WET	NORM	NORM	NORM	1954
1956	0.32	2.62	1.43	0.72	2.28	2.98	0.62	9.85	7.64	9.71	14.22	10.10	DRY	DRY	DRY	NORM	NORM	1956
1962	1.96	0.99	3.29	5.52	6.27	2.45	1.59	13.81	24.13	33.14	25.41	15.94	NORM	NORM	WET	WET	NORM	1962
1965	0.23	2.34	4.79	7.01	3.81	6.10	4.50	19.28	32.95	30.24	32.93	29.51	NORM	WET	WET	WET	WET	1965
1967	0.02	1.51	3.29	6.46	1.07	2.04	1.38	12.91	27.47	19.42	14.72	9.29	NORM	WET	NORM	NORM	NORM	1967
1970	1.16	2.54	4.90	1.21	1.11	0.47	3.05	20.94	15.97	10.65	4.84	11.20	NORM	NORM	DRY	DRY	NORM	1970
1976	1.76	2.42	1.99	2.73	1.07	4.22	0.67	12.57	14.59	10.66	17.53	11.52	NORM	NORM	DRY	NORM	NORM	1976
1980	0.68	1.05	2.19	1.76	0.73	5.06	0.86	9.35	10.71	7.90	18.40	13.43	DRY	DRY	DRY	NORM	NORM	1980
1981	1.70	0.48	2.15	4.51	2.17	4.72	1.45	9.11	18.31	17.68	23.01	15.96	DRY	NORM	NORM	NORM	NORM	1981
1982	1.13	1.53	9.91	2.17	2.25	1.03	0.69	33.92	27.86	21.00	9.76	6.38	WET	WET	NORM	DRY	DRY	1982
1983	3.46	2.24	3.95	6.98	3.82	0.41	1.39	19.79	31.08	29.37	15.85	8.81	NORM	WET	WET	NORM	NORM	1983
1984	1.53	7.07	3.56	8.78	2.79	0.80	1.05	26.35	40.53	29.49	16.76	7.54	WET	WET	WET	NORM	DRY	1984
1985	1.61	4.18	2.66	3.62	1.09	5.70	2.49	17.95	20.36	13.17	22.90	19.96	NORM	NORM	DRY	NORM	WET	1985
1986	2.46	3.89	3.60	3.83	1.89	2.53	6.33	21.04	22.58	16.93	15.20	25.94	NORM	NORM	NORM	NORM	WET	1986
1987	5.23	0.38	3.98	3.76	2.81	1.79	2.20	17.93	19.62	19.93	14.75	12.99	NORM	NORM	NORM	NORM	NORM	1987
1988	0.34	2.94	2.09	0.95	1.40	3.68	2.58	12.49	9.97	8.19	14.79	16.50	NORM	DRY	DRY	NORM	NORM	1988
1989	1.07	1.16	1.12	3.28	3.41	4.07	1.41	6.75	13.24	17.91	22.31	15.78	DRY	DRY	NORM	NORM	NORM	1989
1990	1.60	0.72	8.74	6.48	1.82	1.78	0.69	29.26	37.64	27.16	15.46	7.45	WET	WET	WET	NORM	DRY	1990
1991	0.77	2.60	4.15	4.75	3.22	1.42	1.54	18.42	25.15	23.31	15.45	10.68	NORM	NORM	NORM	NORM	NORM	1991
1992	2.88	0.99	1.62	2.54	5.57	4.59	4.07	9.72	11.85	23.41	27.45	26.96	DRY	DRY	NORM	WET	WET	1992
1993	0.67	3.23	5.83	4.82	6.18	5.04	3.18	24.62	29.35	34.01	32.30	25.80	WET	WET	WET	WET	WET	1993
1994	0.11	2.96	1.14	5.11	5.97	1.60	2.14	9.45	20.57	29.27	21.85	15.59	DRY	NORM	WET	NORM	NORM	1994
1995	4.39	5.78	7.02	2.40	3.64	5.42	2.33	37.01	27.02	22.74	25.94	21.47	WET	WET	NORM	WET	WET	1995
1996	0.95	0.78	6.18	3.20	3.84	3.64	4.39	21.05	22.74	24.10	21.80	24.29	NORM	NORM	NORM	NORM	WET	1996
1997	0.51	2.33	4.32	2.03	2.33	2.33	4.16	18.13	17.06	15.37	13.68	19.47	NORM	NORM	NORM	NORM	WET	1997
1998	3.50	4.42	1.83	2.93	3.80	3.31	0.20	17.83	16.87	19.09	20.46	11.02	NORM	NORM	NORM	NORM	NORM	1998
1999	0.90	5.54	3.71	7.20	4.92	0.74	0.33	23.11	34.56	32.87	19.26	7.39	WET	WET	WET	NORM	DRY	1999
2000	0.56	2.14	2.36	2.76	3.78	6.57	0.58	11.92	15.14	19.22	30.03	18.66	NORM	NORM	NORM	WET	NORM	2000
2001	0.46	4.83	3.21	1.29	4.41	0.57	3.57	19.75	15.12	19.02	11.82	16.26	NORM	NORM	NORM	NORM	NORM	2001
2002	1.68	1.82	1.84	1.45	1.65	6.00	1.51	10.84	9.85	9.69	22.75	18.18	NORM	DRY	DRY	NORM	NORM	2002
2003	1.27	4.05	2.71	6.54	1.78	2.26	6.23	17.50	29.09	21.13	16.88	24.99	NORM	WET	NORM	NORM	WET	2003
2004	3.07	1.62	6.04	1.18	3.02	2.67	4.16	24.43	17.24	17.46	15.23	20.84	WET	NORM	NORM	NORM	WET	2004
2005	1.84	4.76	3.89	6.56	0.62	0.91	5.62	23.03	32.22	18.87	10.53	19.30	WET	WET	NORM	DRY	WET	2005
2006	3.84	4.73	1.10	4.40	0.35	0.88	5.39	16.60	20.13	10.95	7.74	18.28	NORM	NORM	DRY	DRY	NORM	2006
2007	2.27	4.08	2.44	1.99	1.11	5.25	1.55	17.75	14.93	9.75	19.96	16.26	NORM	NORM	DRY	NORM	NORM	2007
2008	0.58	4.63	6.52	3.11	2.30	0.75	2.49	29.40	27.00	19.64	9.96	11.27	WET	WET	NORM	DRY	NORM	2008
2009	0.67	2.84	1.52	5.51	0.00	2.27	1.08	10.91	22.41	12.54	12.32	7.78	NORM	NORM	DRY	NORM	DRY	2009
2010	1.72	3.88	2.70	6.69	10.21	3.40	5.83	17.58	29.35	46.71	37.31	34.50	NORM	WET	WET	WET	WET	2010
2011	0.98	4.64	4.46	5.76	1.61	5.13	0.52	23.64	30.84	20.81	24.37	13.43	WET	WET	NORM	WET	NORM	2011
2012	0.61	2.53	3.75	0.87	0.20	0.69	0.42	16.92	12.64	6.09	3.34	2.84	NORM	DRY	DRY	DRY	DRY	2012
2013	0.81	4.94	4.13	4.22	1.53	5.39	1.51	23.08	25.86	17.16	23.45	16.84	WET	NORM	NORM	NORM	NORM	2013
2014	0.64	1.50	1.49	9.56	4.15	4.45	2.37	8.11	33.16	33.06	31.21	20.16	DRY	WET	WET	WET	WET	2014
2015	0.15	1.28	2.80	1.75	5.71	4.64	4.64	11.11	12.13	23.43	27.09	28.91	NORM	DRY	NORM	WET	WET	2015
2016	2.41	4.70	6.21	1.39	2.63	1.60	6.66	30.44	21.29	16.88	11.45	25.81	WET	NORM	NORM	DRY	WET	2016
2017	1.36	4.08	4.67	1.60	0.79	4.18	3.31	23.53	18.22	10.24	15.72	19.08	WET	NORM	DRY	NORM	NORM	2017
2018	1.95	2.86	3.25	12.52	6.98	2.78	3.09	17.42	46.92	49.23	34.82	21.81	NORM	WET	WET	WET	WET	2018

Month	30% Lower Bound	N	30% Upper Bound	Normals are for 1971-2000 data
March	0.81	1.77	2.16	March 1.77
April	1.43	2.51	3.05	April 2.51
May	2.38	3.87	4.68	May 3.87
June	2.76	3.91	4.64	June 3.91
July	1.96	3.36	4.08	July 3.36
August	1.62	2.93	3.57	August 2.93
Sept.	1.11	2.17	2.65	Sept. 2.17
Jun-MAM	10.81	18.40	22.30	
Jul-JMA	14.47	21.98	26.33	
Aug-JJM	13.78	21.77	26.20	
Sep-AJJ	11.54	19.42	23.51	
Oct-SAJ	8.53	15.73	19.17	

NOTE:

Yankton NWS Station (SD9502) has been replaced with Yankton NWS Station (SD911) as of 2012.

Vermillion 2 SE NWS Station (SD8622) was used for May 1967; Jun 1984.

Rainfall Data
Zeona 10 SSW
Station #SD9537
Butte County, SD

Portion of the table to be used with ☐
the PrecipCategories tool.

Monthly Rainfall Totals in Inches								Monthly Weighted Totals					Slide Indicator Status					Year
Year-	March-	April-	May-	June-	July-	Aug-	Sept-	June_	July_	Aug_	Sept_	Oct_	June	July	Aug	Sept.	Oct.	
1957	0.28	0.59	1.82	3.86	1.70	5.57	1.04	6.92	15.81	14.64	23.97	15.96	NORM	NORM	NORM	WET	WET	1957
1978	0.19	2.02	4.47	2.14	3.75	3.85	0.94	17.64	17.38	20.00	21.19	14.27	WET	NORM	WET	WET	WET	1978
1980	0.30	0.39	0.60	4.83	0.92	2.01	0.37	2.88	16.08	13.02	12.70	6.05	DRY	NORM	NORM	NORM	NORM	1980
1981	0.00	0.09	1.60	3.26	3.08	3.86	1.07	4.98	13.07	17.36	21.00	14.01	DRY	NORM	NORM	WET	WET	1981
1982	3.23	0.65	6.99	1.11	1.92	2.01	2.01	25.50	17.96	14.97	10.98	11.97	WET	NORM	NORM	NORM	WET	1982
1983	0.98	0.72	1.45	1.15	1.52	4.36	0.56	6.77	7.07	8.31	17.27	11.92	NORM	DRY	DRY	WET	WET	1983
1984	0.36	4.43	1.11	7.43	0.78	2.52	1.35	12.55	28.94	18.31	16.55	9.87	NORM	WET	NORM	WET	WET	1984
1985	2.32	0.07	4.30	2.12	0.73	0.63	0.54	15.36	15.03	10.73	5.47	3.61	WET	NORM	NORM	DRY	DRY	1985
1986	0.81	4.70	3.17	2.11	2.13	0.30	4.06	19.72	17.37	13.78	7.27	14.91	WET	NORM	NORM	NORM	WET	1986
1987	0.87	0.15	4.76	0.25	0.79	4.41	1.10	15.45	10.42	7.63	15.06	12.91	WET	NORM	DRY	WET	WET	1987
1988	0.63	0.44	2.11	5.22	0.54	0.43	0.93	7.84	20.32	14.17	7.59	4.19	NORM	WET	NORM	NORM	NORM	1988
1989	2.18	2.91	0.85	1.60	2.90	1.02	0.95	10.55	9.41	12.75	10.46	7.79	NORM	NORM	NORM	NORM	NORM	1989
1990	0.27	1.18	1.34	1.82	0.71	0.46	0.16	6.65	9.32	7.11	4.62	2.11	NORM	NORM	DRY	DRY	DRY	1990
1991	1.02	2.50	4.62	1.44	2.40	2.22	0.46	19.88	16.06	14.70	12.90	8.22	WET	NORM	NORM	NORM	NORM	1991
1992	0.32	0.66	2.11	2.12	3.57	1.80	0.40	7.97	11.24	17.06	14.66	8.37	NORM	NORM	NORM	NORM	NORM	1992
1993	1.79	1.56	1.56	4.64	5.82	1.38	0.58	9.59	18.60	28.30	20.42	10.32	NORM	NORM	WET	WET	WET	1993
1994	0.10	1.75	0.35	1.76	2.09	0.09	0.92	4.65	7.73	10.14	6.21	5.03	DRY	DRY	NORM	DRY	NORM	1994
1995	0.68	1.33	4.98	4.25	2.83	2.49	0.41	18.28	24.04	21.97	17.38	9.04	WET	WET	WET	WET	NORM	1995
1996	0.73	1.12	9.09	1.14	1.08	2.93	1.93	30.24	22.72	14.61	12.09	12.73	WET	WET	NORM	NORM	WET	1996
1997	0.16	2.55	2.41	2.36	3.18	1.22	0.37	12.49	14.45	16.67	12.38	6.73	NORM	NORM	NORM	NORM	NORM	1997
1998	1.69	0.44	1.73	4.76	1.02	1.12	0.56	7.76	18.18	14.31	10.16	4.94	NORM	NORM	NORM	NORM	NORM	1998
1999	0.13	2.51	1.89	5.38	1.02	1.10	0.68	10.82	22.43	15.71	10.72	5.26	NORM	WET	NORM	NORM	NORM	1999
2000	1.07	1.72	3.36	2.52	1.88	0.49	0.43	14.59	16.00	14.04	7.75	4.15	NORM	NORM	NORM	NORM	NORM	2000
2001	0.49	1.28	1.76	3.00	2.96	0.29	1.05	8.33	13.80	16.64	9.79	6.69	NORM	NORM	NORM	NORM	NORM	2001
2002	0.42	0.19	1.60	1.69	2.05	2.56	0.88	5.60	8.46	11.13	13.47	9.81	DRY	DRY	NORM	NORM	WET	2002
2003	2.34	0.74	1.05	2.53	1.31	0.58	3.53	6.97	10.43	10.04	6.89	13.06	NORM	NORM	NORM	NORM	WET	2003
2004	1.02	0.23	1.40	0.53	3.20	2.03	1.41	5.68	4.62	12.06	13.02	11.49	DRY	DRY	NORM	NORM	WET	2004
2005	0.18	1.2	2.23	3.53	1.47	2.14	0.74	9.27	16.25	13.70	12.89	7.97	NORM	NORM	NORM	NORM	NORM	2005
2006	0.82	4.17	1.04	1.02	0.44	1.16	1.8	12.28	9.31	4.40	5.38	8.16	NORM	NORM	DRY	DRY	NORM	2006
2007	1.48	1.50	3.04	1.69	0.60	3.20	0.00	13.60	12.65	8.22	12.49	7.00	NORM	NORM	DRY	NORM	NORM	2007
2008	0.53	1.64	8.73	6.31	2.74	2.96	1.37	30.00	38.03	29.57	20.67	12.77	WET	WET	WET	WET	WET	2008
2009	2.90	2.17	1.17	2.72	2.15	1.41	0.30	10.75	12.67	13.06	11.25	5.87	NORM	NORM	NORM	NORM	NORM	2009
2010	0.85	1.40	4.16	3.76	1.79	2.32	1.20	16.13	21.00	17.05	14.30	10.03	WET	WET	NORM	NORM	WET	2010
2011	2.89	1.51	5.97	2.67	1.84	3.02	0.00	23.82	21.46	16.83	15.41	7.88	WET	WET	NORM	WET	NORM	2011
2012	0.00	1.60	2.65	0.96	2.57	0.89	0.00	11.15	9.78	12.28	8.77	4.35	NORM	NORM	NORM	NORM	NORM	2012
2013	0.22	2.42	3.25	3.01	1.53	2.46	1.70	14.81	17.95	13.86	13.45	11.55	NORM	NORM	NORM	NORM	WET	2013
2014	1.22	1.84	1.76	7.23	0.30	3.50	3.04	10.18	27.05	17.12	18.33	16.42	NORM	WET	NORM	WET	WET	2014
2015	0.28	1.10	4.87	3.19	4.37	3.02	0.36	17.09	20.41	24.36	20.99	11.49	WET	WET	WET	WET	WET	2015
2016	1.15	2.66	1.19	1.49	1.84	1.32	1.01	10.04	9.51	9.69	9.13	7.51	NORM	NORM	NORM	NORM	NORM	2016
2017	0.49	1.16	1.17	4.02	2.40	1.42	2.31	6.32	15.56	16.41	13.08	12.17	NORM	NORM	NORM	NORM	WET	2017
2018	1.37	3.30	2.85	5.77	1.34	1.02	1.24	16.52	26.31	18.41	11.51	7.10	WET	WET	NORM	NORM	NORM	2018

Month	30% Lower		30% Upper		Normals are for 1971-2000 data	
	Bound	N	Bound			
March	0.33	0.86	0.98		March	0.86
April	0.62	1.49	1.89		April	1.49
May	1.50	2.79	3.35		May	2.79
June	1.85	2.92	3.74		June	2.92
July	1.07	1.98	2.57		July	1.98
August	0.75	1.58	1.96		August	1.58
Sept.	0.41	0.93	1.04		Sept.	0.93
Jun-MAM	6.07	12.21	14.81			
Jul-JMA	9.17	15.83	19.81			
Aug-JJM	8.41	14.57	18.54			
Sep-AJJ	6.24	11.62	14.76			
Oct-SAJ	3.80	7.93	9.61			

NOTE:
Zeona 10 SSW NWS Station (SD9537) has not collected data as of Jul 2002.
Redig 11 NE NWS Station (SD7062) was used for 1957; 1978; Mar, Apr 1980; Jul-Sep 2002; 2003; Mar, Apr 2004.
Hoover NWS Station (SD3945) was used for May-Sep 2004; 2005-2018.