Rainfall Data
Sioux City Gateway A
Station #19-193
Woodbury County

Year	Monthly Rainfall in Inches					Wetness Evaluation					July slides April-June		August slides May-July		September slides June-August	
	April	May	June	July	August	April	May	June	July	August	Product	Eval	Product	Eval	Product	Eval
1979	2.34	4.43	3.39	1.91	6.28	2	3	2	2	3	14	N	13	N	15	W
1980	1.37	3.88	1.21	0.5	5.68	1	2	1	1	3	8	D	7	D	12	N
1981	0.47	1.98	3.07	4.36	1.72	1	1	2	3	2	9	D	14	N	14	N
1982	0.64	6.93	1.82	3.63	1.54	1	3	1	2	2	10	N	11	N	11	N
1983	2.19	4.41	4.58	1.27	1.16	2	3	3	1	1	17	W	12	N	8	D
1984	6.73	5.54	6.79	2.56	0.79	3	3	3	2	1	18	W	15	W	10	N
1985	5.04	3.24	1.15	0.41	3.69	3	2	1	1	3	10	N	7	D	12	N
1986	5.73	3	5.35	3.26	1.86	3	2	3	2	2	16	W	14	N	13	N
1987	0.61	4.2	3.09	3.08	3.94	1	2	2	2	3	11	N	12	N	15	W
1988	2.5	2.47	0.53	2.93	5.16	2	1	1	2	3	7	D	9	D	14	N
1989	0.94	1.51	1.83	5.76	2.01	1	1	1	3	2	6	D	12	N	13	N
1990	1.61	7.48	4.2	3.22	1.34	2	3	2	2	1	14	N	13	N	9	D
1991	3.48	3.87	5.27	0.77	2.17	3	2	3	1	2	16	W	11	N	11	N
1992	1.13	3.56	2.74	4.81	4.6	1	2	2	3	3	11	N	15	W	17	W
1993	3.66	3.06	4.23	6.71	6.43	3	2	2	3	3	13	N	15	W	17	W
1994	2.37	0.88	3.44	4.53	3.33	2	1	2	3	2	10	N	14	N	14	N
1995	4.74	4.81	2.18	1.36	2.01	3	3	1	1	2	12	N	8	D	9	D
1996	0.84	6.22	4.39	7.33	4.69	1	3	3	3	3	16	W	18	W	18	W
1997	3.07	3.71	3.09	1.94	0.63	2	2	2	2	1	12	N	12	N	9	D
1998	6.06	2.87	5.67	1.49	3.55	3	2	3	1	2	16	W	11	N	11	N
1999	4.66	5.21	7.9	3.3	4.57	3	3	3	2	3	18	W	15	W	16	W
2000	1.87	3.91	5.66	3.14	1.78	2	2	3	2	2	15	W	14	N	13	N
2001	5.21	5.87	2.57	2.18	3.4	3	3	2	2	2	15	W	13	N	12	N
2002	2.99	2.6	3.69	4.16	5.67	2	1	2	3	3	10	N	14	N	17	W
2003	3.15	3.79	4.04	3.72	1.67	2	2	2	2	2	12	N	12	N	12	N
2004	1.36	4.32	4.12	2.93	0.97	1	2	2	2	1	11	N	12	N	9	D
2005	4.18	3.39	4.13	2.51	1.45	3	2	2	2	1	13	N	12	N	9	D
2006	3.37	0.87	3.23	0.36	6.98	3	1	2	1	3	11	N	8	D	13	N
2007	4.64	4.74	2.7	2.19	9.07	3	3	2	2	3	15	W	13	N	15	W
2008	2.79	5.2	3.35	4.39	2.67	2	3	2	3	2	14	N	16	W	14	N
2009	1.62	1	5.26	5.55	3.52	2	1	3	3	2	13	N	16	W	15	W
2010	1.49	1.41	6.4	9.23	4.5	1	1	3	3	3	12	N	16	W	18	W
2011	4.29	6.67	5.03	0.78	2.53	3	3	3	1	2	18	W	12	N	11	N
2012	4.82	6.2	2.16	0.78	1.71	3	3	1	1	2	12	N	8	D	9	D
2013	4.85	5.28	3.13	0.6	3.07	3	3	2	1	2	15	W	10	N	10	N
2014	2.02	2.31	14.88	4.36	10.08	2	1	3	3	3	13	N	16	W	18	W

Normals are for 1971	2.75	Normal: inside 30% chance values
April	3.75	Dry: < lower bound for 30% chance
May	3.61	Wet: > upper bound for 30% chance
June	3.30	
July	2.90	1=Dry, 2=Normal, 3=Wet
August		

Missing Data

	30% chance Lower Bound - D	N	30% chance Upper Bound - W
Month	1.57	2.75	3.35
April	2.76	3.75	4.40
May	2.29	3.61	4.35
June	1.79	3.30	4.03
July	1.49	2.90	3.55