Rainfall Data
Muscatine
Station #19-139
Muscatine 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	3.4	2.16	2.64	6.64	3.77	2	1	1	3	2	7	D	12	N	13	N
1980	2.05	2.35	4.69	3.38	7.36	1	1	2	2	3	9	D	11	N	15	W
1981	4.64	2.33	4.75	3.93	4.33	3	1	2	2	2	11	N	11	N	12	N
1982	2.1	6.24	4.2	11.15	7.72	1	3	2	3	3	13	N	16	W	17	W
1983	3.54	2.81	3.34	2.54	4.65	2	2	2	2	2	12	N	12	N	12	N
1984	5.26	4.69	3.4	5.17	0.55	3	2	2	2	1	13	N	12	N	9	D
1985	1.47	4.03	2.15	3.74	3.26	1	2	1	2	2	8	D	10	N	11	N
1986	2.77	9.02	4.84	3.86	3.83	2	3	2	2	2	14	N	13	N	12	N
1987	1.25	2.37	1.52	1.09	7.42	1	1	1	1	3	6	D	6	D	12	N
1988	0.9	1.84	1.2	1.09	5.76	1	1	1	1	3	6	D	6	D	12	N
1989	3.6	2.65	3.91	1.09	2.4	2	2	2	1	1	12	N	9	D	7	D
1990	2.16	6.25	13.73	5.11	4.28	1	3	3	2	2	16	W	15	W	13	N
1991	1.47	2.97	2.14	0.5	2.04	1	2	1	1	1	8	D	7	D	6	D
1992	3.5	0.19	0.81	13.12	1.43	2	1	1	3	1	7	D	12	N	10	N
1993	5.48	3.91	12.61	10.51	12.57	3	2	3	3	3	16	W	17	W	18	W
1994	1.87	2.57	5.97	1.68	3.38	1	2	3	1	2	14	N	11	N	11	N
1995	7.27	7.34	3.76	2.33	4.61	3	3	2	2	2	15	W	13	N	12	N
1996	2.35	11.09	3.68	1.81	1.1	2	3	2	1	1	14	N	10	N	7	D
1997	1.43	5.24	3.16	0.98	8.46	1	3	2	1	3	13	N	10	N	13	N
1998	4.31	2.82	8.15	3.24	5.6	3	2	3	2	3	16	W	14	N	16	W
1999	5.38	2.74	5.25	3.48	4.25	3	2	2	2	2	13	N	12	N	12	N
2000	5.64	6.82	8.46	4.13	2.4	3	3	3	2	1	18	W	15	W	10	N
2001	3.04	6.72	5.84	3.71	3.14	2	3	3	2	2	17	W	15	W	13	N
2002	5.09	5.86	4.24	4.69	4.39	3	3	2	2	2	15	W	13	N	12	N
2003	2.54	4.59	4.43	2.65	0.89	2	2	2	2	1	12	N	12	N	9	D
2004	1.16	7.85	2.02	2.94	4.6	1	3	1	2	2	10	N	11	N	11	N
2005	2.32	2.43	1.96	2.15	2.55	2	1	1	1	2	7	D	6	D	9	D
2006	4.04	2.46	1.84	2.79	4.12	3	1	1	2	2	8	D	9	D	11	N
2007	5.33	3.24	5.62	4.28	8.25	3	2	3	2	3	16	W	14	N	16	W
2008	6.6	5.3	8.71	4.73	3.3	3	3	3	2	2	18	W	15	W	13	N
2009	4.48	7.37	8.34	5.79	9.39	3	3	3	3	3	18	W	18	W	18	W
2010	3.84	6.5	11.95	7.87	5.61	2	3	3	3	3	17	W	18	W	18	W
2011	4.41	3.56	5.36	2.49	0.67	3	2	2	2	1	13	N	12	N	9	D
2012	4.7	5.52	3.28	1.29	4.18	3	3	2	1	2	15	W	10	N	10	N
2013	7.35	8.06	6.06	2.94	0.02	3	3	3	2	1	18	W	15	W	10	N
2014	4.84	1.61	6.55	7.12	4.45	3	1	3	3	2	14	N	16	W	15	W

Normals are for 1971-2000 data

* divisional data used

April	3.36	Normal: inside 30% chance values
May	4.25	Dry: < lower bound for 30% chance
June	4.51	Wet: > upper bound for 30% chance
July	4.30	
August	4.48	1=Dry, 2=Normal, 3=Wet

Month	30% chance Lower Bound - D	N	30% chance Upper Bound - W
April	2.22	3.36	4.03
May	2.54	4.25	5.15
June	2.75	4.51	5.46
July	2.24	4.30	5.25
August	2.52	4.48	5.45
PGS-Apr-June	7.51	12.12	14.64

Missing Data