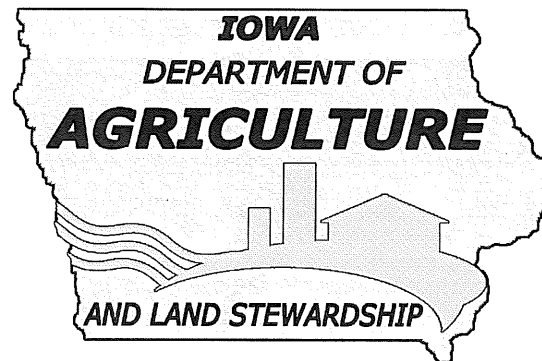


Iowa Department of Agriculture & Land Stewardship
BILL NORTHEY, Secretary of Agriculture

STATE CLIMATOLOGIST OFFICE

IOWA CLIMATE REVIEW

VOLUME 31, NUMBER 6
JUNE 2017



The cooperation of the National Weather Service offices at Davenport, Johnston (Des Moines), La Crosse, Sioux Falls and Valley (Omaha) and their network of volunteer weather observers across Iowa in providing the data used in compiling this report is gratefully acknowledged.

CONTENTS

Monthly Narrative	1
Monthly Graphs	2
Dew Point & Wind Data	3
Summarized Station Data	4
Daily Temperatures	8
Daily Precipitation	15
Station Index	18
Reference Notes	20

The climatic data used in this report are compiled from official records on file at the State Climatologist Office in Johnston. Some of these data are of a preliminary nature and are subject to change without notice. Differences may exist in data values published here and those subsequently published in the U.S. Department of Commerce report *Climatological Data Iowa* due to use of differing quality control procedures.

IOWA MONTHLY WEATHER SUMMARY – JUNE 2017

General Summary. Iowa temperatures averaged 71.2° or 1.5° above normal while precipitation totaled 3.54 inches or 1.48 inches less than normal. This ranks as the 23rd warmest and 38th driest June among 145 years of records. A lower June rain total was last recorded in 2012 while June of 2016 averaged 1.9° warmer.

Temperatures. An unseasonably cool period prevailing for the two weeks from May 18th to June 1st came to an abrupt end on June 2nd when a string of sixteen consecutive warmer than normal days began. Temperatures averaged more than ten degrees above normal on the 3rd - 4th and 10th – 13th. Daytime highs in the nineties were recorded somewhere in Iowa every day from the 2nd through the 16th. A welcome respite from the hot weather began late on the 17th with only one day (22nd) bringing widespread hot weather for the remainder of the month. Temperature extremes varied from highs of 97° at Little Sioux on the 13th, Lamoni on the 15th and Little Sioux on the 21st to lows of 40° at Cresco, Elkader and Grinnell on the 1st and again at Battle Creek and Grinnell on the morning of the 27th.

Cooling Degree Day Totals. Home air conditioning requirements, as estimated by cooling degree day totals, averaged 24% greater than normal but 16% less than seen during the very hot June of 2016. Cooling degree day totals are running 13% more than normal so far in 2017, but 19% less than last year at this time.

Precipitation. A very dry weather pattern prevailed from May 28 through June 12 with a statewide average of only one-tenth of an inch of rain falling compared to a normal for the period of 2.47 inches. Rain fell almost daily somewhere in the state for the remainder of June but rain amounts and areal coverage were frequently limited. Monthly rain totals were below normal over the

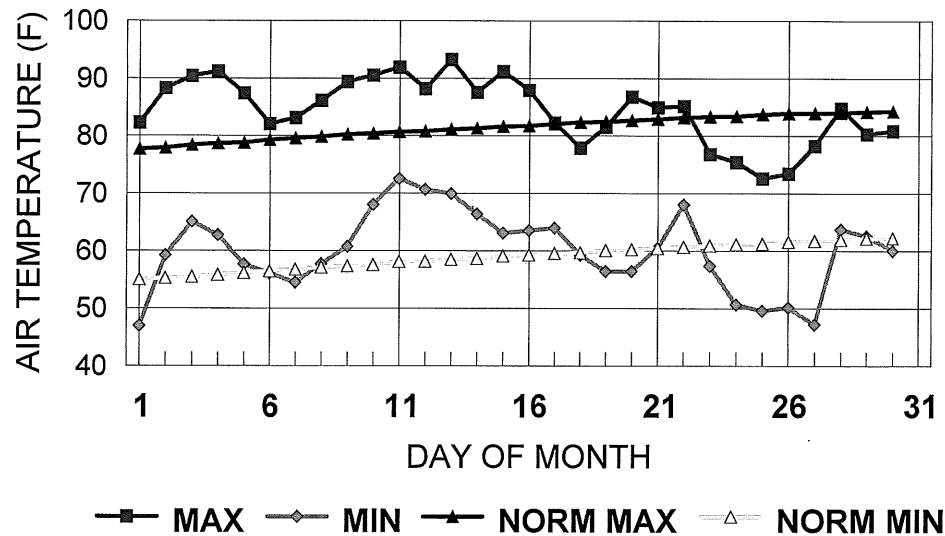
southwest two-thirds of Iowa with the exception of the far southwest corner. Lowest totals were over the far southeast where Fairfield (0.88), Donnellson (0.91 inches) and Ottumwa Airport (0.97) recorded under an inch of rain in what is usually the most reliable month of the year for rainfall. At Ottumwa this was the third driest June among 130 years of records (1911: 0.24"; 1992: 0.78"; 1913: 0.90"). At Fairfield it is the fifth lowest June total among 137 years of records (lowest June total since 1963). Finally, at Donnellson this ranks as the third lowest June total among 76 years of record, with just last June being drier with 0.53 inches. On the other extreme very wet conditions prevailed over portions of north central and northeast Iowa. New Hampton was the wet spot with 9.79 inches of rain where there were four dates during the second one-half of the month with 1.5 inches or more of rain.

Severe Weather. Severe thunderstorms were reported somewhere in the state on twelve dates during the month with the bulk of the activity coming on the 15th (26 counties impacted), 28th (27 counties) and 29th (21 counties). The National Weather Service (NWS) confirmed 13 tornadoes on the afternoon and evening of the 28th with greatest damage reported at Prairieburg in Linn County.

Harry J. Hillaker
State Climatologist
Iowa Dept. of Agriculture & Land Stewardship
Wallace State Office Bldg.
Des Moines, IA 50319
Telephone: (515) 281-8981
E-mail: Harry.Hillaker@IowaAgriculture.gov

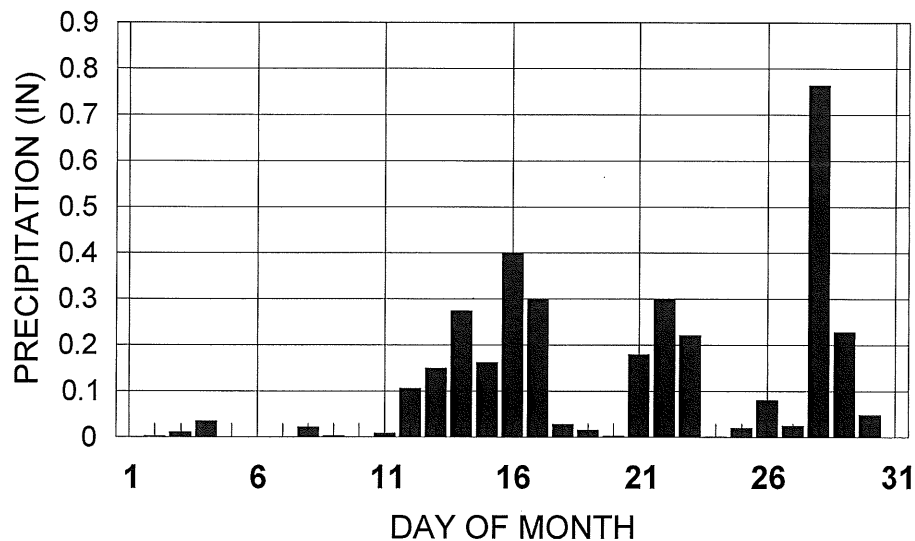
IOWA DAILY MAX & MIN TEMPERATURES

JUNE 2017 (SELECTED STATIONS)



IOWA AVERAGE DAILY PRECIPITATION

JUNE 2017 (SELECTED STATIONS)



JUNE 2017																															IOWA CLIMATE REVIEW				
DAY OF MONTH																																			
AIRPORT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
PRELIMINARY AVERAGE DAILY DEW POINT TEMPERATURE																															AVG				
Ames	48	62	60	54	53	49	48	53	58	66	69	69	70	68	67	68	66	57	57	55	64	68	56	45	45	50	51	67	67	62		59.1			
Burlington	49	57	63	66	58	47	47	49	54	59	65	68	71	70	66	68	70	60	58	61	66	71	61	48	47	52	49	65	65	66		59.9			
Cedar Rapids	44	59	63	55	55	47	49	51	57	62	67	68	70	70	66	68	69	59	55	57	64	70	61	49	48	48	48	66	66	64		59.2			
Davenport																															####				
Des Moines	50	62	61	57	52	47	46	50	55	64	67	68	68	66	63	66	65	54	50	53	63	66	55	43	44	49	50	65	65	59		57.4			
Dubuque	44	49	59	54	53	46	46	48	58	58	64	66	68	67	59	65	66	56	54	55	58	67	58	49	48	45	46	62	64	62		56.5			
Estherville																															####				
Iowa City																															####				
Lamoni	56	63	63	63	58	51	49	51	56	64	67	68	69	68	64	67	67	56	54	59	64	68	57	48	45	52	55	66	66	65		60.0			
Marshalltown	44	60	61	52	52	46	47	52	57	64	67	68	69	67	66	67	66	58	55	55	64	68	57	46	46	48	47	65	66	62		58.1			
Mason City	36	55	57	47	48	43	43	52	56	62	67	66	66	63	54	62	61	55	50	48	60	66	53	43	43	43	44	64	61	59		54.2			
Moline, IL	43	49	60	59	52	45	45	46	53	56	63	65	69	67	62	64	69	58	56	56	61	68	59	48	49	47	47	62	63	65		56.9			
Omaha, NE	55	61	61	62	51	51	50	51	56	66	67	69	68	63	63	66	63	53	53	55	62	64	52	44	44	52	57	65	65	60		58.3			
Ottumwa	48	60	63	64	55	46	47	49	53	62	66	68	70	69	63	67	68	57	56	55	65	69	59	46	46	50	48	66	63	63		58.7			
Sioux City	50	59	60	54	50	53	51	51	56	66	69	69	69	59	58	57	61	53	51	53	62	61	48	41	43	48	55	66	64	60		56.6			
Sioux Falls, SD	48	59	58	48	52	56	59	58	59	64	70	66	69	59	56	59	58	55	53	53	64	60	49	44	47	48	54	61	60	56		56.7			
Spencer																															####				
Waterloo	40	55	58	51	51	44	45	50	57	61	65	66	66	65	61	64	64	55	51	51	60	67	57	44	45	45	45	62	64	60		55.6			
PRELIMINARY AVERAGE DAILY WIND SPEED (MPH)																															AVG				
Ames	3.8	8.6	10.5	5.6	7.9	4.0	4.2	9.3	9.8	17.2	16.7	9.1	13.3	9.4	6.8	7.7	5.9	12.6	7.5	9.0	11.8	12.2	13.2	12.4	11.1	6.8	8.6	14.5	9.5	8.8		9.6			
Burlington	3.4	4.3	5.0	5.6	9.5	9.7	6.3	4.5	9.9	15.1	14.7	10.9	10.2	10.0	7.7	8.8	9.1	7.4	5.7	7.7	8.1	12.1	10.6	9.6	7.5	6.8	5.0	19.0	9.2	5.7		8.6			
Cedar Rapids	5.3	7.0	9.0	5.5	10.5	6.6	4.8	7.5	10.4	15.8	14.9	11.7	10.5	9.1	6.6	7.5	6.7	13.9	10.7	10.1	8.7	8.8	13.1	12.9	11.7	10.4	6.6	13.0	9.2	6.5		9.5			
Davenport	5.2	5.6	8.2	8.7	10.8	9.4	7.5	7.5	11.8	17.2	16.3	12.0	10.5	10.4	9.1	8.7	8.0	12.8	10.3	9.8	9.1	11.1	12.9	12.2	10.5	10.5					10.2				
Des Moines	5.1	8.2	7.7	3.5	7.7	5.8	5.2	9.0	9.6	16.5	16.2	11.4	14.1	8.3	7.9	8.0	7.7	13.3	7.5	10.1	12.2	12.1	13.1	11.4	10.4	5.4	9.6	14.9	10.6	7.9		9.7			
Dubuque	3.2	6.0	9.2	7.0	10.5	8.1	3.6	9.4	7.5	17.8	17.6	12.9	10.0	11.6	9.2	10.8	5.8	12.5	10.1	9.0	7.7	10.3	12.9	12.2	10.5	8.8	7.1	15.2	12.6	4.5		9.8			
Estherville	4.8	12.3	13.8	8.6	11.2	5.4	11.4	8.7	10.6	20.3	13.4	9.8	18.4	12.4	7.7	6.7	8.0	10.9	11.2	9.5	11.1	10.3	14.0	13.9	14.4	7.6	13.8	14.8	7.4	8.8		11.0			
Iowa City	2.3	4.4	5.3	4.5	7.5	7.0	3.5	5.1	9.1	14.7	13.1	9.0	9.4	7.7	5.7	7.0	6.5	11.4	9.9	7.7	7.2	8.5	12.4	10.7	9.1	7.9	5.7	14.1	9.1	6.0		8.1			
Lamoni	5.7	6.7	6.0	3.5	7.4	5.2	3.4	7.7	10.2	16.3	15.9	10.9	14.5	10.0	8.9	11.2	6.5	13.2	9.3	7.2	9.2	11.8	13.1	9.9	10.5	6.1	7.6	13.5	11.5	8.1		9.4			
Marshalltown	3.6	9.9	10.6	7.4	11.5	7.1	5.2	8.9	10.1	19.7	18.9	12.0	16.1	9.2	6.6	9.0	5.2	13.0	10.0	10.6	11.6	11.1	13.5	12.2	12.0	7.7	8.9	15.0	9.6	7.4		10.5			
Mason City	3.6	10.0	13.3	7.8	10.6	5.6	7.2	10.8	8.2	18.8	16.5	8.7	17.3	10.3	6.9	6.8	6.8	13.3	14.0	10.3	11.5	10.7	14.2	15.0	14.2	9.2	9.4	13.9	7.0	10.0		10.7			
Moline, IL	3.5	3.3	5.1	5.7	7.8	7.3	4.8	5.3	9.7	14.2	12.7	10.1	7.9	7.2	7.5	8.3	6.5	11.3	8.6	8.3	7.1	8.2	11.8	12.2	8.3	8.5	4.9	11.6	8.1	6.3		8.1			
Omaha, NE	8.0	11.5	7.5	3.3	6.6	7.6	6.2	9.2	13.1	18.4	20.9	13.1	22.1	7.4	8.7	9.9	6.8	11.5	6.4	7.9	15.0	13.2	12.7	8.7	7.5	7.1	14.5	12.8	9.3	8.4		10.5			
Ottumwa	4.7	7.3	6.7	5.1	9.0	8.0	4.8	6.8	10.8	16.6	15.7	11.1	14.0	9.6	9.2	7.5	6.9	11.4	5.6	9.6	9.2	10.6	11.9	10.6	9.8	7.6	7.2	16.4	8.9	7.9		9.4			
Sioux City	6.9	12.5	8.7	3.9	6.3	6.3	8.4	7.9	13.5	17.4	12.1	11.2	17.7	9.5	4.8	6.4	6.4	11.7	9.1	8.4	13.0	11.2	16.4	11.1	8.7	6.1	15.0	8.8	7.0	7.1		9.8			
Sioux Falls, SD	5.5	12.4	6.8	3.7	6.5	6.9	4.9	3.8	12.9	13.6	10.2	12.7	16.6	7.9	3.6	5.8	6.9	11.3	6.3	7.2	10.1	9.3	14.8	12.8	9.4	4.8	15.2	8.8	5.9	9.7		9.4			
Spencer	4.1	12.3	11.4	5.8	9.5	6.4	11.6	9.1	10.6	18.4	12.3	10.6	20.3	11.0	5.5	5.7	7.2	11.5	9.5	8.9	10.8	11.7	13.8	13.7	12.4	6.2	14.1	15.0	5.0	8.0		10.4			
Waterloo	1.6	7.5	9.6	4.4	9.1	4.3	4.7	9.2	5.8	17.5	16.8	10.7	13.4	8.0	6.3	9.5	5.2	11.3	9.8	9.0	9.2	9.9	11.3	11.6	10.9	8.2	8.1	15.7	8.3	5.9		9.1			
PRELIMINARY MAXIMUM 5-SECOND WIND GUST (MPH)																															MAX				
Ames	15	26	28	18	25	17	18	28	27	39	41	29	38	47	40	24	36	32	28	32	35	34	31	36	33	23	26	36	35	30		47			
Burlington	16	14	17	28	27	22	22	17	24	33	31	24	24	34	22	36	24	25	28	24	22	29	29	28	24	24	21	51	47	21		51			
Cedar Rapids	22	20	24	20	30	20	18	21	29	38	36	33	29	41	29	39	29	22	31	33	27	26	33	35	35	31	30	20	31	36	21		41		
Davenport	18	22	24	24	35	24	22	25	32	37	34	25	24	27	62	24	24	29	35	30	29	37	36	33	28	30					62				
Des Moines	18	21	22	14	23		17	21	25	36	43	27	36	38	46	20	30	29	33	28	32	30	36	36	32	17	25	44	31	24		46			
Dubuque	15	22	25	22	26	22	15	21	34	41	38	45	23	41	37	31	28	30	46	27	22	29	33	33	29	30	20	61	55	19		61			
Estherville	18	29	39	22	23	17	24	27	30	43	33	51	46	42	24	28	24	34	30	27	28	50	32	41	33	24	35	36	46	27		51			
Iowa City	15	19	22	18	27	21	18	20	24	36	33	28	26	37	26	22	29	33	37	28	24	32	38	30	29	23	20	36	37	21		38			
Lamoni	17	19	20	13	22	17	14	18	23	35	39	25	35	37	55	53	27	29	30	23	29	29	36	27	34	19	23	44	42	21		55			
Marshalltown	17	25</																																	

JUNE 2017				MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																				IOWA CLIMATE REVIEW											
				TEMPERATURE (F)																PRECIPITATION (Inches)															
												NUMBER OF DAYS				HEATING DEGREE DAYS				COOLING DEGREE DAYS								NUMBER OF DAYS				SNOWFALL (Inches)			
				AVG	AVG		DEP	EXT		EXT		MAX	MAX	MIN	MIN	JUN	JUN	16-17	NORM	JUN	JUN	2017	NORM		DEP	EXT					MAX				
STATION	MAX	MIN	MEAN	NORM	MAX	DAY	MIN	DAY	90+	32-	32-	0-	2017	NORM	SEAS	SEAS	2017	NORM	SEAS	SEAS	TOTAL	NORM	DAY	DAY	0.01+	0.10+	1.00+	TOTAL	GND	DAY					
NORTHWEST DIVISION																																			
Akron																																			
Cherokee	84.0	56.2	70.1	1.3	92	14	+	41	1	7	0	0	0	31	42	6605	7345	193	155	218	202	1.49	-3.56	0.39	30	11	6	0	0.0	0					
Emmetsburg	83.2	58.5	70.9	2.7	93	11	+	46	27	8	0	0	0	23	42	6499	7800	205	140	238	176	2.62	-2.47	0.55	28	10	8	0	0.0	0					
Estherville Airport	80.8	56.7	68.8	0.6	91	3		46	27	4	0	0	0	32	41	6842	7739	153	137	174	173	3.97		0.98	28	13	10	0	0.0	0					
Estherville 4 E	81.2	56.8	69.0	1.2	91	4		46	27	4	0	0	0	32	47	7010	7859	160	133	180	167	3.90	-0.65	1.02	28	11	10	1	0.0	0					
Everly 3 WNW																																			
Hawarden	85.0	57.0	71.0	1.8	95	3		44	1	10	0	0	0	22	36	6542	7435	209	161	242	209	2.84	-1.29	1.45	30	7	5	1	0.0	0					
Le Mars	85.1	57.7	71.4	1.7	94	3		45	27	9	0	0	0	17	33	6394	7322	217	172	244	226	1.42	-3.02	0.60	22	7	4	0	0.0	0					
Orange City																																			
Pocahontas	84.3	59.3	71.8	1.9	94	12		46	27	8	0	0	0	19	33	6422	7371	232	178	268	233	1.93	-2.97	0.67	30	12	6	0	0.0	0					
Primghar	84.7	61.2	73.0	2.8	92	13	+	47	25	8	0	0	0	13	29	6001	7028	260	187	308	253	2.92	-2.04	0.60	21	10	8	0	0.0	0					
Remsen #2																																			
Rock Rapids	82.9	58.0	70.5	1.7	92	3		44	1	6	0	0	0	26	42	6743	7746	196	155	226	197	3.04	-1.59	0.75	13	8	7	0	0.0	0					
Rock Valley																																			
Sanborn	81.7	58.7	70.2	2.2	91	14	+	45	24	3	0	0	0	28	50	6799	7834	191	139	216	179	3.47	-1.06	1.15	9	10	9	1	0.0	0					
Sheldon	82.4	56.2	69.3	2.0	91	14	+	41	1	3	0	0	0	32	54	6853	8123	169	123	191	155	2.83	-1.68	0.98	30	10	8	0	0.0	0					
Sibley	82.6	56.6	69.6	2.1	92	14	+	43	1	5	0	0	0	32	54	7055	8002	180	130	205	164	2.44	-2.17	0.56	28	10	7	0	0.0	0					
Sioux Center 2 SE	85.7	58.4	72.1	1.5	93	5	+	44	27	9	0	0	0	17	25	6011	6955	235	192	278	264	3.21	-1.24	2.19	30	9	4	1	0.0	0					
Sioux Rapids 4 E	82.1	58.9	70.5	1.4	92	13		47	1	4	0	0	0	18	37	6336	7404	189	158	221	203	2.41	-2.47	0.84	28	10	7	0	0.0	0					
Spencer Airport	84.6	56.7	70.7	1.9	95	13		42	1	8	0	0	0	22	38	6499	7650	197	152	225	194	3.05		0.88	29	15	7	0	0.0	0					
Spencer 1 N	83.4	58.1	70.8	2.2	92	13	+	42	27	8	0	0	0	22	41	6537	7630	203	149	235	194	4.14	-0.26	1.59	28	13	9	1	0.0	0					
Spirit Lake 4 W	82.1	59.4	70.8		91	4	+	47	25	4	0	0	0	20		6497		202		232		4.61		1.35	28	11	9	2	0.0	0					
Storm Lake	82.8	59.4	71.1	1.9	91	5	+	46	25	1	0	0	0	26	34	6417	7272	214	162	247	211	2.10	-3.46	0.48	30	9	5	0	0.0	0					
NORTH CENTRAL DIVISION																																			
Algona 3 W	82.7	57.4	70.1	2.1	93	12	+	46	1	8	0	0	0	23	44	6658	7764	185	135	215	171	2.48	-2.90	0.41	28	14	10	0	0.0	0					
Allison	81.7	58.1	69.9	0.6	94	12		48	26	4	0	0	0	24	30	6378	7361	179	159	206	201	6.07	0.96	1.65	23	12	8	3	0.0	0					
Britt																																			
Charles City	80.6	58.2	69.4	0.8	94	11		44	1	4	0	0	0	26	38	6480	7350	166	146	185	186	6.11	0.85	2.29	23	11	8	3	0.0	0					
Clarion	83.2	57.7	70.5	0.9	94	12		43	1	6	0	0	0	27	32		7361	198	172	237	223	5.15	-0.21	1.35	30	12	10	1	0.0	0					
Dakota City	82.9	57.7	70.3	2.0	92	12	+	43	1	7	0	0	0	24	40	6412	7477	193	138	227	169	2.79	-1.98	0.67	22	13	8	0	0.0	0					
Forest City 2 NNE	80.8	57.0	68.9	0.5	92	14		41	27	5	0	0	0	37	41	6949	7740	166	142	188	180	2.67	-2.41	1.29	22	10	7	1	0.0	0					
Hampton	83.1	58.3	70.7	1.9	94	12		47	27	6	0	0	0	17	39	6321	7468	196	152	231	192	6.58	0.97	3.45	30	13	7	1	0.0	0					
Kanawha																																			
Lake Mills																																			
Mason City	82.3	57.2	69.8	2.3	95	12		46	1	7	0	0	0	25	52	6599	7789	174	127	200	161	3.47	-1.89	1.05	22	13	6	1	0.0	0					
Mason City Airport	82.8	57.3	70.1	2.0	95	11		44	1	7	0	0	0	21	44	6695	7679	181	138	206	173	3.36	-1.78	1.57	22	13	7	1	0.0	0					
Nashua 2 SW																																			
Northwood	79.0	55.6	67.3	0.2	91	11		44	27	2	0	0	0	50	56		8055	125	121	144	152	2.47	-2.00	0.69	17	12	8	0	0.0	0					
Osage	81.7	59.5	70.6	2.6	94	12		49	27	6	0	0	0	21	46	6617	7731	194	135	221	168	3.96	-1.22	0.83	23	12	8	0	0.0	0					
Saint Ansgar																																			
Swea City 4 W	81.5	56.4	69.0	0.9	91	11	+	44	1	3	0	0	0	30	44		7964	157	138	182	175	3.43	-1.16	1.27	13	11	7	1	0.0	0					
NORTHEAST DIVISION																																			
Cascade	81.8	59.0	70.4	1.7	93	14		46	27	5	0	0	0	24	38	5833	7178	193	149	232	190	8.11	3.23	3.04	16	9	6	4	0.0	0					
Cresco 1 NE	82.0	54.6	68.3	1.8	94	12		40	1	6	0	0	0	39	66		8121	145	109	162	134	4.43	-0.73	1.14	28	14	11	1	0.0	0					
Decorah	82.1	56.6	69.4	0.8	93	11		41	1	7	0	0	0	38	39	6230	7125	177	146	200	189	4.41	-0.75	1.79	28	11	9	1	0.0	0					
Dubuque Lock & Dam 11	82.4	59.7	71.1	0.2	94	15	+	49	2	8	0	0	0	19	24	6027	6782	208	199	241	252	3.66	-1.29	1.75	29	11	6	1	0.0	0					

JUNE 2017				MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																				PRECIPITATION (Inches)				IOWA CLIMATE REVIEW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
TEMPERATURE (F)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NUMBER OF DAYS												HEATING DEGREE DAYS				COOLING DEGREE DAYS								NUMBER OF DAYS				SNOWFALL (Inches)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
												JUN				JUN				2017				NORM				DEP				EXT								MAX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
												90+				32-				32-				0-				2017				NORM				SEAS				SEAS				2017				NORM				SEAS				SEAS				TOTAL				NORM				DAY				DAY				0.01+				0.10+				1.00+				TOTAL				GND				DAY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
STATION												MAX				MIN				MEAN				NORM				MAX				DAY				MIN				DAY				90+				32-				32-				0-				2017				NORM				SEAS				SEAS				2017				NORM				SEAS				SEAS				TOTAL				NORM				DAY				DAY				0.01+				0.10+				1.00+				TOTAL				GND				DAY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Dubuque Airport												80.7				58.5				69.6				1.3				92				13				45				1				2				0				0				0				26				40				6078				7087				171				139				195				176				3.06				-1.34				1.26				28				11				3				1				0.0				0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Elkader 6 SSW												81.3				54.1				67.7				-0.1				92				12				40				1				4				0				0				0				51				48				6542				7409				139				132				165				168				6.76				1.18				2.05				23				14				8				2				0.0				0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Fayette												81.1				57.2				69.2				1.6				92				12				46				27				5				0				0				0				29				50				6497				7622				161				127				186				158				8.55				3.54				2.16				29				11				9				4				0.0				0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Guttenberg L & D 10												82.7				61.9				72.3				2.0				94				3				49				1				6				0				0				0				11				26				5762				6717				237				185				273				241				6.34				1.44				2.75				29				10				7				2				0.0				0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Ionia 2 W																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

JUNE 2017				MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																				IOWA CLIMATE REVIEW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				TEMPERATURE (F)												PRECIPITATION (Inches)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
								NUMBER OF DAYS				HEATING DEGREE DAYS				COOLING DEGREE DAYS								NUMBER OF DAYS			SNOWFALL (Inches)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				AVG	AVG		DEP	EXT		EXT		MAX	MAX	MIN	MIN	JUN	JUN	16-17	NORM	JUN	JUN	2017	NORM		DEP	EXT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

[illegible]

JUNE 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW							
	OBS		DAY OF MONTH																															
STATION	TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
NORTHWEST DIVISION																																		
Cherokee	8	MAX	75	84	91	92	91	87	86	86	89	90	89	89	81	92	86	90	86	77	76	81	84	90	85	71	75	73	72	80	88	83		84.0
		MIN	41	54	64	57	50	58	56	61	58	65	72	72	69	62	55	57	58	54	52	52	61	58	51	44	45	50	42	56	59	54		56.2
Emmetsburg	8	MAX	75	83	93	92	91	84	84	87	89	90	93	90	82	90	83	91	88	79	76	77	80	85	82	72	72	73	71	79	86	80		83.2
		MIN	47	60	61	61	58	57	63	59	60	68	75	74	64	63	61	61	60	56	54	55	58	58	54	49	48	49	46	57	60	60		58.5
Estherville Airport	24	MAX	81	89	91	88	82	82	84	87	90	90	87	78	90	83	87	86	78	70	76	78	77	78	69	71	69	69	76	83	79	77		80.8
		MIN	46	56	64	57	56	53	56	60	56	71	72	62	65	61	59	60	59	54	54	54	56	57	51	47	46	49	46	64	56	55		56.7
Estherville 4 E	7	MAX	74	81	89	91	89	83	83	86	87	90	90	88	78	90	84	88	88	78	71	77	78	78	69	72	70	69	76	84	78		81.2	
		MIN	47	50	61	60	56	57	56	60	59	64	74	71	62	62	60	61	60	56	53	54	56	59	54	48	48	49	46	49	57	56		56.8
Hawarden	7	MAX	76	86	95	90	92	91	89	86	90	92	91	88	83	92	87	92	86	75	78	83	86	90	83	70	76	75	74	81	87	85		85.0
		MIN	44	46	67	59	55	57	65	61	59	62	73	72	69	63	57	59	58	54	53	54	57	57	54	46	48	50	45	49	60	57		57.0
Le Mars	7	MAX	76	85	94	92	92	90	87	87	89	93	92	87	83	92	86	91	89	75	78	83	86	91	85	73	76	75	74	81	87	85		85.1
		MIN	47	48	63	62	56	58	61	60	62	64	71	73	69	61	59	61	60	54	54	57	54	64	53	49	48	50	45	52	61	55		57.7
Pocahontas	8	MAX	75	84	91	92	92	87	86	87	89	91	92	94	82	92	85	91	89	80	76	80	83	87	88	70	74	72	73	79	85	82		84.3
		MIN	48	58	64	64	60	57	57	66	60	70	74	75	69	62	61	62	59	55	55	53	60	61	56	49	49	52	46	60	60	58		59.3
Primghar	16	MAX	84	91	92	92	90	87	87	88	89	90	90	86	92	91	88	89	84	74	78	80	86	88	81	72	72	72	80	84	85	79		84.7
		MIN	55	64	67	67	64	63	65	65	63	71	74	72	68	63	63	65	61	53	57	54	54	70	55	47	47	53	53	65	63	56		61.2
Rock Rapids	8	MAX	77	85	92	90	90	89	89	86	88	91	91	86	81	90	82	87	87	76	75	79	80	87	80	68	71	71	71	80	85	82		82.9
		MIN	44	47	63	58	59	60	63	64	63	65	73	71	68	63	60	63	59	53	56	58	57	57	54	47	49	51	47	49	60	58		58.0
Sanborn	8	MAX	73	83	91	88	90	86	85	86	88	88	88	85	79	91	82	87	87	76	73	78	80	87	81	68	72	70	70	78	83	79		81.7
		MIN	49	60	62	63	62	61	62	64	62	65	72	71	66	62	62	65	61	53	54	54	57	57	54	45	46	50	52	56	59	55		58.7
Sheldon	7	MAX	74	83	89	91	89	87	87	86	86	90	89	86	78	91	84	89	86	77	75	78	81	88	82	69	71	72	72	78	84	81		82.4
		MIN	41	50	64	68	54	61	60	62	57	64	71	71	64	61	56	56	56	52	53	53	57	57	50	45	46	52	44	52	57	52		56.2
Sibley	7	MAX	75	84	92	88	90	86	86	86	87	91	91	86	79	92	83	89	86	78	76	80	82	88	79	68	70	73	71	79	84	79		82.6
		MIN	43	47	66	63	61	59	59	62	62	62	72	71	64	60	58	59	58	52	53	58	57	55	52	45	46	49	46	48	57	54		56.6
Sioux Center 2 SE	16	MAX	83	92	93	92	93	88	87	89	90	90	91	87	92	91	88	88	85	76	82	82	86	89	81	74	74	74	80	86	86	81		85.7
		MIN	45	61	65	61	59	61	61	60	60	70	74	67	70	62	58	60	59	53	53	56	57	68	52	45	46	50	44	63	57	55		58.4
Sioux Rapids 4 E	22	MAX	83	91	90	90	85	84	86	87	89	88	88	81	92	83	87	88	74	74	78	81	86	79	68	72	72	70	77	84	77	78		82.1
		MIN	47	59	65	62	58	58	59	60	60	69	73	67	68	61	60	61	60	54	54	55	59	65	53	48	48	57	48	64	59	55		58.9
Spencer Airport	24	MAX	85	93	91	91	86	86	89	91	91	93	88	82	95	86	91	88	79	77	81	83	88	83	72	75	74	72	81	86	80	80		84.6
		MIN	42	58	63	55	59	56	60	57	57	72	75	68	67	62	55	57	55	55	54	56	58	55	50	46	46	48	43	64	55	54		56.7
Spencer 1 N	24	MAX	84	92	91	89	89	85	87	91	90	90	90	80	92	85	90	87	81	75	78	80	88	81	69	73	71	70	80	86	79	79		83.4
		MIN	44	57	67	59	54	57	60	61	59	71	75	68	67	62	60	59	62	56	57	56	57	61	53	47	50	51	42	63	58	50		58.1
Spirit Lake 4 W	24	MAX	83	91	90	91	83	84	84	87	89	90	86	76	89	84	89	86	79	76	79	79	82	78	69	72	71	70	81	84	79	82		82.1
		MIN	50	63	67	59	62	63	64	62	63	71	73	66	68	63	61	63	58	55	55	58	57	57	53	47	47	50	53	61	58	56		59.4
Storm Lake	8	MAX	74	81	89	89	91	86	85	84	88	87	88	89	83	89	84	88	86	77	76	80	84	89	83	70	74	72	71	78	86	84		82.8
		MIN	46	51	63	67	64	60	61	64	64	63	70	73	70	65	61	63	66	55	54	58	62	60	55	46	46	49	48	54	64	61		59.4

JUNE 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																														IOWA CLIMATE REVIEW			
STATION	OBS TIME		DAY OF MONTH																																	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG		
NORTH CENTRAL DIVISION																																				
Algona 3 W	6	MAX	75	82	90	93	91	82	82	85	89	90	93	93	85	91	84	90	88	79	73	78	79	82	82	71	74	73	70	76	84	78		82.7		
		MIN	46	54	60	60	56	57	57	58	61	62	69	72	66	64	63	62	61	57	56	56	56	56	53	50	48	48	49	49	60	57		57.4		
Allison	7	MAX	72	82	88	92	89	83	79	81	88	89	92	94	89	91	84	89	87	79	73	77	81	74	82	71	73	70	70	78	77		81.7			
		MIN	51	51	60	64	61	56	54	55	58	61	66	73	67	64	64	64	64	58	53	55	58	61	60	52	48	48	49	49	63	57		58.1		
Charles City	22	MAX	80	87	92	86	81	78	80	86	89	91	94	87	91	83	89	88	79	74	75	77	73	79	69	70	67	68	75	75	79	77		80.6		
		MIN	44	51	65	63	59	53	51	60	58	67	73	67	66	64	61	63	62	58	55	52	54	66	59	52	49	50	47	61	61	56		58.2		
Clarion	7	MAX	75	84	88	92	90	86	84	86	89	89	92	94	85	93	84	90	87	79	74	79	83	79	85	71	73	72	72	78	82	80		83.2		
		MIN	43	48	61	63	61	54	55	56	62	62	70	74	69	64	63	63	62	57	54	55	56	60	56	49	47	51	48	48	61	59		57.7		
Dakota City	8	MAX	75	82	87	91	90	85	84	85	89	90	92	92	83	90	84	90	87	79	76	79	83	84	84	70	74	72	72	77	83	79		82.9		
		MIN	43	50	62	64	57	53	53	54	58	66	72	74	68	63	61	63	60	56	55	55	60	60	57	49	49	52	47	49	62	59		57.7		
Forest City 2 NNE	7	MAX	74	80	86	90	88	83	81	82	87	88	91	90	85	92	82	90	87	78	72	79	78	76	74	69	70	68	69	75	78	81		80.8		
		MIN	47	55	53	62	58	54	58	61	61	65	68	73	64	64	65	55	60	55	53	56	61	61	57	50	47	51	41	45	55	56		57.0		
Hampton	7	MAX	77	84	88	92	92	85	83	85	88	88	92	94	89	92	85	90	87	81	74	79	84	76	83	72	73	72	74	76	77	80		83.1		
		MIN	47	55	66	66	56	52	51	58	58	61	69	75	67	64	60	63	62	58	55	56	56	62	58	51	49	51	47	55	63	58		58.3		
Mason City	7	MAX	75	81	89	92	90	83	82	84	88	90	93	95	88	93	84	90	89	79	74	78	79	74	78	72	71	69	71	76	82	81		82.3		
		MIN	46	49	56	62	55	54	52	56	58	63	71	74	67	64	60	62	62	58	54	53	55	60	56	52	50	51	47	49	62	57		57.2		
Mason City Airport	24	MAX	81	88	92	89	85	82	85	89	90	94	95	86	93	84	90	90	79	74	78	80	77	78	72	73	70	71	77	81	81	80		82.8		
		MIN	44	53	66	59	53	51	50	62	56	69	74	67	68	64	58	59	59	57	53	52	54	66	54	49	48	50	46	63	58	57		57.3		
Northwood	7	MAX	78	77	85	89	85	80	79	81	85	87	91	90	89	89	80	89	85	76	71	73	74	72	70	66	68	68	64	72	80	77		79.0		
		MIN	44	51	55	58	55	51	51	61	56	68	73	70	64	62	58	55	59	56	54	52	53	58	56	48	48	48	44	47	59	55		55.6		
Osage	7	MAX	75	81	88	92	88	83	81	83	88	90	92	94	87	92	84	90	87	81	73	75	78	76	78	71	70	69	70	76	78	80		81.7		
		MIN	49	54	62	64	60	57	55	62	61	68	71	76	67	66	62	65	63	58	55	54	59	62	58	53	50	52	49	55	62	56		59.5		
Swea City 4 W	7	MAX	75	81	89	91	89	81	83	86	88	90	91	89	80	89	84	88	86	78	73	77	78	77	78	71	72	69	69	77	85	80		81.5		
		MIN	44	48	60	60	56	56	55	58	61	61	73	71	64	63	59	60	59	55	54	55	56	58	55	47	48	48	48	51	55	55		56.4		
NORTHEAST DIVISION																																				
Cascade	7	MAX	75	81	86	89	90	79	77	79	81	86	89	92	91	93	88	91	86	82	75	77	84	76	84	79	73	67	70	76	82	77		81.8		
		MIN	47	51	58	68	57	53	51	53	62	66	66	74	69	70	67	63	65	63	59	55	55	62	63	56	51	49	46	50	62	60		59.0		
Cresco 1 NE	7	MAX	76	84	88	93	91	84	82	85	88	88	91	94	91	93	84	89	88	82	73	73	80	76	74	73	70	69	71	76	73	81		82.0		
		MIN	40	46	58	59	52	49	45	55	52	60	70	75	63	65	57	60	60	55	54	51	48	60	55	49	46	47	42	53	58	55		54.6		
Decorah	16	MAX	79	87	92	90	87	79	82	85	87	90	93	92	91	90	87	87	87	80	75	75	75	79	79	72	65	69	75	75	79	79		82.1		
		MIN	41	47	67	57	52	49	48	52	53	67	74	75	65	67	60	62	61	59	53	50	50	68	60	52	44	45	43	60	58	59		56.6		
Dubuque Lock & Dam 11	6	MAX	73	78	87	92	87	79	81	82	84	87	90	93	92	94	94	92	90	83	75	78	78	78	84	80	72	66	70	77	79	76		82.4		
		MIN	49	49	56	66	61	56	56	56	60	63	69	73	70	71	67	67	65	61	58	57	57	58	64	56	50	51	51	53	62	60		59.7		
Dubuque Airport	24	MAX	80	83	88	87	77	76	78	80	87	87	89	88	92	85	91	84	82	76	78	81	74	83	79	71	66	70	73	80	75	80		80.7		
		MIN	45	56	63	62	57	52	51	52	60	63	70	69	68	69	65	64	64	58	57	53	54	71	60	50	49	48	46	59	63	58		58.5		
Elkader 6 SSW	7	MAX	74	81	87	90	88	80	77	80	82	89	89	92	90	91	84	89	87	82	75	76	80	78	83	75	70	68	69	76	80	77		81.3		
		MIN	40	44	49	61	50	46	45	47	53	53	69	74	64	67	63	64	62	61	53	48	47	54	61	52	44	45	42	47	59	58		54.1		
Fayette	7	MAX	75	81	86	91	89	82	79	81	85	90	90	92	88	90	83	88	86	80	78	75	80	76	81	73	70	67	70	75	76	76		81.1		
		MIN	46	49	55	64	58	51	50	53	58	61	68	74	65	65	64	64	62	59	56	54	53	59	62	53	48	49	46	49	62	58		57.2		

JUNE 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																																IOWA CLIMATE REVIEW					
	OBS		DAY OF MONTH																																					
STATION	TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG						
Guttenberg L & D 10	24	MAX	80	88	94	89	79	85	82	85	89	91	93	92	93	87	91	88	82	76	77	78	75	82	81	72	68	69	77	80	79	80		82.7						
		MIN	49	53	63	68	61	57	57	57	63	70	75	71	70	69	69	70	68	63	59	56	57	69	63	56	51	53	50	63	65	62		61.9						
Manchester #2	7	MAX	74	81	86	90	89	80	77	80	83	89	90	92	91	93	86	91	86	81	74	76	81	76	81	72	71	66	69	75	81	78		81.3						
		MIN	42	47	56	67	53	48	47	49	56	63	71	75	67	68	64	63	63	60	57	52	51	59	62	52	49	47	43	51	62	58		56.7						
New Hampton	8	MAX	73	79	87	91	87	81	78	82	86	88	91	94	89	90	82	89	87	80	71	76	76	74	78	69	68	68	67	75	72	77		80.2						
		MIN	46	53	54	60	60	53	52	59	57	64	72	74	65	64	61	63	62	57	54	52	56	58	58	52	47	47	46	53	57	55		57.0						
Oelwein 1 E	7	MAX	76	81	88	92	91	83	79	83	84	89	91	94	91	91	83	89	88	82	75	77	83	75	81	74	68	71	70	76	80	76		82.0						
		MIN	46	54	60	67	61	55	56	56	58	61	66	69	67	66	64	65	60	60	56	58	54	55	62	52	50	48	50	54	62	59		58.4						
Postville	7	MAX	76	81	86	91	89	80	79	81	85	90	93	92	89	90	82	87	88	83	73	75	78	77	78	73	69	67	71	74	75	77		81.0						
		MIN	45	53	60	68	56	53	51	57	59	56	65	74	65	67	64	65	67	60	56	54	53	53	61	53	49	49	47	56	61	58		57.8						
Stanley 3 WSW	4	MAX	73	81	87	91	88	82	77	83	83	88	90	93	90	92	85	88	88	80	74	76	81	74	83	72	71	67	69	75	82	79		81.4						
		MIN	42	49	60	62	54	49	48	52	55	60	67	72	66	65	62	64	63	60	55	49	52	60	59	55	45	44	41	50	62	58		56.0						
Tripoli	7	MAX	76	82	88	92	91	82	79	83	85	89	91	95	89	92	86	90	88	81	76	79	83	77	81	73	72	70	72	76	78	77		82.4						
		MIN	47	51	60	66	60	55	53	61	60	63	70	73	67	66	65	65	65	59	55	56	57	59	61	53	48	51	48	52	63	58		58.9						
Waterloo Airport	24	MAX	83	87	92	91	84	81	83	88	90	92	95	92	94	86	91	88	82	76	79	86	75	84	75	75	71	72	76	82	79	80		83.6						
		MIN	41	51	68	59	54	49	49	59	57	67	73	68	69	65	63	64	64	60	56	53	57	69	59	51	50	49	45	62	61	59		58.4						
WEST CENTRAL DIVISION																																								
Audubon	8	MAX	74	81	84	86	90	86	80	81	83	85	89	91	86	89	82	89	84	79	76	80	88	89	84	71	76	72	71	77	85	79		82.2						
		MIN	43	57	63	64	54	55	52	52	59	67	68	72	66	62	56	57	63	57	52	52	61	64	55	47	48	47	42	45	63	61		56.8						
Battle Creek 3 NE	8	MAX	77	85	90	91	91	89	85	86	89	90	90	89	82	91	84	89	86	76	76	81	85	93	84	71	75	75	72	80	87	86		84.2						
		MIN	42	58	64	61	54	57	55	59	57	70	73	74	68	61	58	63	60	55	53	52	63	66	50	46	46	48	40	61	60	55		57.6						
Carroll	7	MAX	76	84	88	90	92	88	84	87	88	90	92	95	86	94	86	93	88	81	79	84	90	93	90	73	77	74	74	81	89	83		85.6						
		MIN	46	55	66	69	57	57	57	61	65	67	71	71	74	63	59	62	64	57	56	56	63	65	58	50	48	52	45	53	66	61		59.8						
Castana Exp. Farm	8	MAX	75	82	88	88	91	89	85	85	87	89	87	91	84	90	83	89	85	75	77	82	87	92	86	71	76	77	74	79	87	83		83.8						
		MIN	48	57	68	70	62	59	58	63	66	70	71	73	70	62	62	65	63	56	57	57	65	63	56	49	48	49	49	49	64	58		60.2						
Denison	7	MAX	76	83	88	88	91	88	85	87	85	87	88	91	82	89	82	89	88	76	77	79	86	91	90	69	73	73	74	78	85	83		83.4						
		MIN	47	55	64	65	62	60	58	58	61	64	68	71	71	61	61	63	62	54	56	57	62	66	56	48	48	49	49	51	64	58		59.0						
Guthrie Center	8	MAX	76	84	87	90	91	87	82	84	87	89	92	95	91	93	85	92	87	81	77	82	89	91	87	73	77	73	73	80	87	82		84.8						
		MIN	44	57	59	64	52	54	51	54	61	67	73	75	72	63	58	64	64	58	53	54	61	69	58	49	46	48	44	58	67	62		58.6						
Holstein	22	MAX	83	90	89	89	86	83	84	86	89	88	88	83	91	82	87	85	75	75	80	84	89	84	70	75	72	71	79	84	84	78		82.8						
		MIN	54	62	64	63	61	61	61	61	64	70	73	71	65	60	63	63	61	53	56	58	61	66	53	46	45	51	51	64	64	55		60.0						
Little Sioux 2 NW	7	MAX	76	83	94	93	95	93	85	88	89	93	91	96	88	97	87	92	91	74	79	86	92	97	89	75	79	76	75	77	90	86		86.9						
		MIN	44	45	61	60	59	60	55	57	60	61	71	73	73	65	60	60	65	55	55	56	62	65	61	46	44	45	44	44	65	59		57.7						
Logan	8	MAX	78	84	88	89	92	90	86	85	86	90	92	94	83	92	85	92	89	76	79	88	90	94	89	75	79	74	75	80	84	83		85.4						
		MIN	44	53	59	62	56	60	55	55	57	70	74	75	70	65	60	63	64	57	55	62	65	72	59	46	50	48	47	57	66	60		59.5						
Mapleton #2	7	MAX	75	85	89	89	91	88	85	86	87	89	89	89	81	93	84	89	86	75	78	82	87	94	86	74	78	74	74	82	87	86		84.4						
		MIN	41	46	66	64	53	55	56	59	60	62	70	73	68	61	57	57	61	55	53	54	56	67	53	47	47	50	44	46	62	56		56.6						
Rockwell City	7	MAX	75	82	88	90	90	86	82	84	86	88	91	93	82	91	87	91	87	79	76	80	86	91	86	71	77	72	71	78	88	83		83.7						
		MIN	49	59	63	61	61	58	55	56	61	68	71	75	69	62	64	63	63	56	58	60	62	63	57	49	49	53	49	49	67	63		59.8						

JUNE 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																										IOWA CLIMATE REVIEW						
STATION	OBS TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	DAY OF MONTH				18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
Sac City	7	MAX	74	81	87	87	90	86	82	83	85	87	88	91	78	92	82	88	85	77	76	80	86	89	85	70	74	72	73	79	85	83		82.5	
		MIN	44	45	58	65	60	56	56	56	59	60	70	74	68	61	60	61	61	55	56	56	59	61	56	48	49	51	44	45	62	58		57.1	
Sioux City Airport	24	MAX	86	95	93	93	91	88	91	91	94	94	91	86	94	89	88	89	76	80	85	90	96	88	74	79	76	76	82	90	88	80		87.1	
		MIN	44	61	67	62	54	59	56	59	62	73	76	72	65	61	58	61	59	55	54	54	63	62	47	44	47	49	46	65	60	57		58.4	
CENTRAL DIVISION																																			
Ames Airport	24	MAX	82	87	91	94	88	83	83	88	90	91	92	90	91	86	91	87	83	79	81	90	87	87	76	78	74	74	77	84	83	82		85.0	
		MIN	43	57	65	63	55	52	51	55	58	69	74	73	72	65	62	64	64	57	57	54	61	70	59	53	49	48	45	65	63	61		59.5	
Ames 8 WSW	16	MAX	80	86	88	90	89	85	81	84	88	91	92	91	90	90	88	90	86	77	77	87	84	87	87	75	76	71	76	82	81	81		84.3	
		MIN	52	61	63	68	62	60	57	59	61	68	73	74	73	64	64	64	65	57	55	55	62	72	59	51	49	53	49	65	65	60		61.3	
Ames 5 SE	6	MAX	75	81	85	88	91	86	82	81	86	88	90	91	89	90	86	90	86	80	76	79	87	86	86	73	76	71	72	75	84	82		83.1	
		MIN	45	46	59	66	54	53	51	53	57	61	68	73	72	63	63	63	64	58	56	54	58	63	60	51	48	50	45	46	64	61		57.5	
Ankeny	8	MAX	76	82	87	89	93	88	82	82	87	89	92	94	91	93	87	94	89	84	78	84	91	92	88	75	78	73	74	78	85	83		85.3	
		MIN	47	58	66	70	59	54	53	54	61	70	73	76	75	65	66	63	70	61	59	57	63	68	62	55	51	51	47	58	68	63		61.4	
Boone	8	MAX	76	82	86	89	91	87	83	83	86	88	90	92	88	90	84	90	86	79	75	80	87	88	87	73	76	73	72	77	84	82		83.5	
		MIN	42	51	59	62	51	52	49	54	55	63	70	72	69	63	60	63	63	56	53	52	58	65	59	51	49	52	48	60	65	61		57.6	
Des Moines Airport	24	MAX	82	87	90	94	90	83	83	86	89	92	94	92	94	89	95	89	86	81	86	93	93	89	78	79	75	75	80	86	83	83		86.5	
		MIN	52	65	66	68	63	60	54	59	63	69	74	76	74	66	67	66	67	62	59	59	64	71	62	54	51	55	54	68	68	64		63.3	
Des Moines Camp Dodge	24	MAX	82	86	89	93	87	81	81	86	87	90	92	90	92	86	92	88	81	79	84	91	90	87	75	78	74	76	79	83	83	82		84.8	
		MIN	50	63	65	67	61	59	56	61	63	69	73	76	74	64	66	65	65	59	57	62	63	68	59	51	49	54	50	66	65	61		62.0	
Eldora	7	MAX	75	83	87	90	92	84	80	86	86	90	91	95	89	92	85	91	87	80	77	78	86	86	85	72	74	71	71	76	83	85		83.6	
		MIN	46	53	64	66	59	53	53	59	59	66	68	73	66	63	63	65	64	58	53	56	60	60	59	50	47	51	46	46	64	58		58.3	
Fort Dodge 5 NNW	7	MAX	74	80	86	89	89	84	82	81	86	87	90	91	81	89	83	82	85	77	74	78	83	83	84	70	73	71	70	78	82	79		81.4	
		MIN	45	49	64	63	57	55	54	55	59	60	69	74	69	63	62	64	61	56	55	55	64	61	57	51	49	52	47	47	61	59		57.9	
Grinnell 3 SW	7	MAX	74	81	84	86	91	85	79	80	83	87	88	91	89	91	87	91	84	81	77	77	87	84	84	75	74	71	73	76	83	80		82.4	
		MIN	40	45	58	62	49	46	45	50	53	59	68	72	72	67	61	64	65	60	52	51	58	62	65	54	43	46	40	44	66	62		56.0	
Grundy Center	8	MAX	74	82	86	90	90	84	80	81	85	88	90	93	89	91	85	89	87	80	76	78	85	76	85	72	74	71	71	76	83	81		82.4	
		MIN	45	52	65	65	57	50	50	60	58	66	71	73	68	64	63	65	64	59	56	54	58	61	61	53	49	49	44	51	64	59		58.5	
Iowa Falls	7	MAX	76	83	87	90	92	84	82	83	88	89	90	93	88	91	84	90	87	80	75	79	86	77	84	74	74	72	72	76	82	80		82.9	
		MIN	43	47	59	64	58	51	52	57	58	66	73	75	67	64	62	63	62	59	55	54	57	61	58	51	49	52	45	45	63	57		57.6	
Marshalltown	7	MAX	75	83	86	89	91	84	81	82	85	88	89	91	90	92	87	91	86	81	76	79	86	83	86	74	75	71	72	77	84	83		83.2	
		MIN	43	48	58	67	54	50	50	55	59	61	70	74	71	64	64	66	65	60	56	54	61	64	62	54	52	51	52	57	65	60		58.9	
Marshalltown Airport	24	MAX	81	86	89	91	85	81	81	86	89	91	94	91	93	86	89	86	81	76	79	87	81	86	75	75	72	73	77	85	82	80		83.6	
		MIN	45	57	65	62	57	53	52	57	60	68	73	71	71	65	65	66	64	58	54	56	58	69	57	51	48	50	45	66	62	61		59.5	
Newton	7	MAX	75	82	87	90	92	86	81	83	86	90	91	92	93	93	90	94	90	83	79	82	90	89	88	76	78	73	74	79	86	84		85.2	
		MIN	49	50	59	67	61	57	54	61	61	62	69	73	73	65	65	63	63	60	58	58	59	62	64	54	52	54	48	48	66	62		59.9	
Perry	7	MAX	76	83	87	90	93	88	88	84	86	89	92	94	90	93	86	92	88	81	78	83	89	91	87	74	78	74	73	81	85	82		85.2	
		MIN	46	47	62	67	55	55	53	56	60	64	71	75	73	64	62	64	65	59	57	57	61	65	58	51	48	52	46	47	66	61		58.9	
Toledo 3 N	7	MAX	74	82	86	89	91	84	80	81	84	89	90	92	91	93	88	91	88	81	75	79	87	78	86	75	75	70	72	77	84	83		83.2	
		MIN	45	49	58	66	54	51	50	57	61	64	66	72	71	65	64	65	65	59	55	55	60	62	63	52	48	49	44	45	64	60		58.0	

JUNE 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																												IOWA CLIMATE REVIEW				
STATION	OBS TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG	
Webster City	7	MAX	74	82	86	89	92	86	83	84	87	89	92	92	86	92	83	89	86	79	75	79	84	83	84	73	74	72	72	76	79	82		82.8	
		MIN	42	42	62	62	52	51	50	52	57	59	69	73	68	63	59	61	62	58	54	52	58	62	54	49	47	50	42	44	60	57		55.7	
EAST CENTRAL DIVISION																																			
Anamosa 3 SSW	6	MAX	73	80	84	88	89	81	78	80	82	87	87	91	90	93	88	92	85	81	74	76	85	76	84	77	73	67	70	75	80	78		81.5	
		MIN	44	48	54	65	54	51	50	50	53	60	67	71	68	69	65	61	64	61	57	51	52	57	63	55	50	48	45	45	62	59		56.6	
Belle Plaine	7	MAX	75	83	87	89	92	85	81	80	85	89	88	91	91	92	88	91	87	83	78	80	90	78	87	78	77	73	72	77	84	83		83.8	
		MIN	43	51	63	65	52	49	48	49	56	66	71	71	68	66	65	64	65	62	55	50	59	64	66	54	46	47	47	54	65	59		58.0	
Bellevue Lock & Dam 12	6	MAX	74	79	90	93	88	78	84	83	85	90	89	93	93	94	90	94	87	83	76	80	86	78	85	82	74	67	69	78	81	80		83.4	
		MIN	46	47	50	60	55	53	50	49	50	61	66	73	73	71	68	65	65	65	64	54	54	55	66	58	51	50	46	46	63	61		57.8	
Cedar Rapids Airport	24	MAX	80	86	90	91	84	79	80	83	90	89	91	91	93	88	90	86	83	77	80	87	74	86	79	74	71	73	75	82	78	80		83.0	
		MIN	46	59	62	66	56	52	52	55	58	65	70	72	69	67	66	64	66	59	54	52	57	70	58	50	45	47	45	62	62	61		58.9	
Cedar Rapids #1	17	MAX	83	87	92	93	92	81	82	86	90	90	93	92	94	92	94	93	88	80	81	89	85	85	85	76	74	74	78	83	81	83		85.9	
		MIN	44	50	65	65	55	50	49	51	60	67	71	74	69	66	67	63	65	62	57	53	56	68	64	55	48	49	45	60	66	60		59.1	
Clinton #1	18	MAX	81	85	90	91	89	77	79	83	89	88	91	91	93	93	91	90	85	76	79	86	78	86	83	73	72	71	75	79	79	79		83.4	
		MIN	49	52	62	67	56	58	54	52	64	68	71	73	71	74	69	65	67	64	60	57	58	71	66	57	52	50	49	61	69	64		61.7	
Coggon	6	MAX	74	81	86	90	90	80	77	81	83	85	88	91	89	92	88	91	86	82	75	77	84	75	84	77	73	69	71	76	81	80		81.9	
		MIN	43	48	63	66	54	48	48	50	60	63	68	72	67	67	66	63	64	60	55	51	55	60	63	53	49	48	43	48	62	59		57.2	
Davenport Airport	24	MAX	82	87	91	93	85	79	80	83	90	89	93	92	94	89	92	87	84	76	79	87	80	86	80	73	69	73	77	80	77	81		83.6	
		MIN	50	56	65	66	58	53	55	53	64	67	71	73	73	71	64	65	67	63	57	56	58	73	60	54	52	49	45	60	65	62		60.8	
Iowa City	7	MAX	74	81	86	90	91	85	79	81	84	88	88	92	93	93	90	92	88	84	78	79	87	76	87	81	74	72	74	77	86	78		83.6	
		MIN	45	52	61	64	53	53	50	49	54	63	66	71	68	71	66	66	66	62	58	52	57	63	67	57	50	47	44	50	63	62		58.3	
Iowa City Airport	24	MAX	83	87	92	93	86	80	82	86	90	91	94	95	95	91	94	90	86	81	82	90	77	87	84	76	74	75	78	86	79	83		85.6	
		MIN	48	56	63	64	58	57	55	54	62	67	72	75	72	70	69	68	69	63	59	56	62	72	62	54	50	51	48	62	67	64		61.6	
Le Claire L & D 14	6	MAX	75	80	87	92	93	83	78	83	84	90	87	91	91	95	94	93	88	85	78	81	88	80	88	82	74	70	74	80	81	77		84.1	
		MIN	53	55	57	67	63	56	56	57	62	66	70	72	74	76	70	66	66	65	62	62	62	61	67	59	56	55	54	55	64	63		62.4	
Lowden	24	MAX	83	88	92	92	85	80	82	85	90	89	92	94	95	89	93	88	84	78	81	89	79	86	82	75	69	73	77	83	78	82		84.4	
		MIN	46	53	67	60	55	51	51	53	61	65	71	74	71	70	65	65	68	63	55	52	56	71	60	50	48	46	44	57	65	61		59.1	
Maquoketa 4 W	7	MAX	75	81	86	90	92	81	77	79	83	88	88	92	92	94	87	92	86	82	76	78	86	78	84	79	72	67	71	76	80	76		82.3	
		MIN	45	49	55	67	55	55	50	51	56	63	67	72	68	71	67	63	65	62	58	54	53	59	64	54	49	48	45	48	62	60		57.8	
Muscatine	6	MAX	76	82	88	92	93	87	79	80	85	90	90	93	94	96	91	95	91	88	79	82	91	78	88	83	75	73	74	78	85	76		85.1	
		MIN	49	54	59	64	57	57	56	52	60	64	68	72	75	77	68	67	67	64	60	55	60	65	67	57	51	49	46	51	64	64		60.6	
Vinton	7	MAX	76	78	84	88	89	81	77	79	82	85	87	90	89	91	86	90	88	82	75	78	85	73	82	75	70	70	71	75	82	80		81.3	
		MIN	43	48	60	65	54	50	49	52	57	62	67	71	68	63	64	64	64	59	54	51	57	60	63	52	48	47	43	54	59	58		56.9	
Williamsburg 1 E	7	MAX	75	82	87	90	92	86	80	82	86	89	90	93	93	95	94	93	91	85	79	80	88	79	86	80	75	73	74	79	86	81		84.8	
		MIN	45	54	62	68	56	55	52	51	59	62	69	72	74	66	66	65	67	62	56	54	58	63	62	52	48	50	44	50	66	63		59.0	
SOUTHWEST DIVISION																																			
Atlantic 1 NE	7	MAX	78	83	86	89	94	91	84	84	87	89	92	95	87	92	85	92	86	85	78	83	91	92	86	75	78	74	76	79	87	80		85.3	
		MIN	46	52	67	62	53	58	53	55	59	66	70	74	73	64	58	62	65	59	55	55	64	67	57	48	47	48	44	47	64	63		58.5	

JUNE 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																												IOWA CLIMATE REVIEW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	OBS		DAY OF MONTH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

JUNE 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																												IOWA CLIMATE REVIEW			
STATION	OBS TIME		DAY OF MONTH																															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
Lamoni Airport	24	MAX	81	85	86	90	88	80	81	83	85	89	92	91	91	88	94	89	82	78	84	91	89	86	79	77	74	74	79	86	80	81		84.4
		MIN	53	64	65	64	63	59	53	57	59	65	70	70	73	69	65	64	65	60	58	60	66	69	60	54	51	51	52	65	67	62		61.8
Mount Ayr	8	MAX	76	80	84	85	88	88	79	78	84	84	88	91	92	89	86	94	87	80	80	80	88	87	85	75	76	71	72	77	83	78		82.8
		MIN	49	53	66	60	57	56	50	49	53	64	67	71	73	67	61	63	64	61	54	55	65	65	64	49	48	46	48	64	65	65		59.1
Osceola	8	MAX	77	84	86	90	92	87	82	83	86	88	94	94	93	93	89	96	90	85	78	83	91	93	89	79	79	74	76	81	87	83		86.1
		MIN	51	52	58	63	56	49	47	48	56	67	73	73	74	67	63	62	62	60	54	53	61	61	65	52	45	46	43	51	67	66		58.2
Rathbun Dam	7	MAX	75	81	85	88	89	86	77	79	83	87	88	90	90	91	89	91	88	83	78	82	90	89	88	78	76	73	75	78	85	81		83.8
		MIN	49	55	62	63	64	57	54	52	55	64	68	71	73	75	63	60	65	60	58	57	62	65	67	54	52	51	51	51	64	65		60.2
SOUTHEAST DIVISION																																		
Burlington Airport	24	MAX	80	85	91	90	91	80	82	83	88	88	91	92	93	88	91	88	85	79	81	89	87	86	83	76	75	74	77	85	79	84		84.7
		MIN	49	57	66	68	58	58	54	54	63	62	72	73	74	70	68	66	70	64	60	56	66	73	63	58	53	48	47	66	67	66		62.3
Donnellson	7	MAX	78	84	88	91	91	92	83	82	86	89	90	93	93	93	95	93	88	87	82	86	90	89	87	85	78	76	76	80	87	83		86.5
		MIN	51	59	65	68	66	55	54	54	55	58	66	68	71	75	66	61	65	64	58	59	64	68	68	57	53	48	48	51	62	66		60.8
Fairfield	8	MAX	74	80	84	89	90	85	78	79	83	87	88	91	91	93	91	92	89	87	79	83	91	86	90	81	75	73	73	78	86	80		84.2
		MIN	47	55	64	63	62	54	50	50	62	64	70	70	72	72	65	64	68	62	57	55	62	61	66	55	51	49	46	62	66	65		60.3
Fort Madison	24	MAX	82	87	92	90	92	78	78	85	87	85	89	91	97	94	89	87	87	81	84	86	87	89	85	77	76	74	78	84	79	84		85.1
		MIN	51	58	64	67	67	58	54	60	64	66	71	73	74	69	68	65	70	65	60	59	66	74	65	58	55	53	50	66	67	67		63.5
Keokuk Lock & Dam 19	6	MAX	76	81	86	90	87	87	77	78	83	87	88	90	92	93	89	90	87	85	80	84	88	88	86	83	75	75	74	76	85	80		84.0
		MIN	53	53	59	65	68	60	58	56	57	65	68	72	73	74	67	66	66	65	59	59	63	65	71	57	53	54	54	54	66	67		62.2
Keosauqua	7	MAX	75	81	86	88	88	87	79	80	83	86	88	91	91	94	91	91	88	88	79	84	91	88	88	82	75	74	74	79	87	81		84.6
		MIN	48	54	62	64	64	52	50	50	58	64	69	69	72	75	65	64	66	64	56	58	63	67	68	57	50	49	46	52	66	64		60.2
Mount Pleasant 1 SSW	7	MAX	77	82	85	87	90	88	79	81	84	87	88	90	91	92	90	93	92	87	79	83	89	85	87	82	76	74	76	78	84	84		84.7
		MIN	44	56	63	65	60	55	49	49	58	62	66	71	70	74	64	63	63	61	57	53	61	61	65	55	50	50	44	52	65	63		59.0
Oskaloosa	7	MAX	75	81	86	89	91	88	83	82	85	88	89	90	89	92	88	89	86	84	79	81	89	88	88	79	76	72	74	78	87	83		84.3
		MIN	46	55	66	66	58	52	53	57	59	64	67	72	74	66	66	64	67	60	55	59	63	62	66	53	51	51	45	53	66	64		60.0
Ottumwa Airport	24	MAX	81	87	90	92	88	81	82	84	88	90	93	92	94	90	93	89	87	80	84	93	88	90	82	77	75	76	79	87	82	84		85.9
		MIN	48	59	66	65	56	54	53	52	62	65	72	72	75	72	66	64	68	60	56	56	63	71	57	52	48	46	44	68	65	65		60.7
Sigourney	7	MAX	75	83	89	92	93	87	80	82	85	89	90	94	94	94	93	94	90	86	79	82	92	85	89	80	76	73	74	80	86	80		85.5
		MIN	51	53	62	62	56	55	54	54	59	64	65	71	72	66	66	64	65	61	55	59	61	63	67	51	51	51	48	52	66	64		59.6
Washington	7	MAX	76	82	85	88	93	88	80	81	84	88	88	91	92	93	91	92	89	86	81	82	92	83	89	84	76	75	73	77	85	77		84.7
		MIN	44	52	59	62	54	51	50	48	57	63	66	71	73	71	66	65	67	61	56	52	60	63	66	53	49	46	43	46	66	63		58.1
SUPPLEMENTAL STATIONS																																		
Moline Airport	24	MAX	83	88	92	92	87	80	82	86	91	89	93	94	95	92	94	90	88	81	82	91	81	89	84	76	71	75	77	83	78	82		85.5
		MIN	48	51	62	62	56	55	50	50	63	67	72	73	76	73	67	65	71	64	60	55	58	73	65	56	52	49	46	61	65	65		61.0
Omaha Eppley AP	24	MAX	85	90	91	94	95	87	85	88	91	94	96	85	95	89	96	91	84	82	87	94	97	92	78	82	78	79	82	93	84	81		88.2
		MIN	52	67	65	66	60	65	59	62	64	72	75	73	69	66	62	69	63	60	60	62	69	73	59	52	52	56	53	65	64	63		63.2
Sioux Falls WFO AP	24	MAX	83	94	90	93	89	88	88	89	92	92	87	81	90	83	87	87	77	77	79	81	87	76	69	71	72	72	80	86	80	79		83.3
		MIN	41	64	62	53	55	60	63	60	62	73	72	66	65	63	58	62	58	55	53	62	58	55	52	44	47	48	46	63	56	55		57.7

JUNE 2017		DAILY PRECIPITATION (INCHES) FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																											IOWA CLIMATE REVIEW					
STATION	OBS TIME	TOTAL	DAY OF MONTH																															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTHWEST DIVISION																																		
Akron	7	2.80				0.04					0.90						0.23			0.44	0.05				0.11				0.03		0.15		0.85	
Cherokee	8	1.49										0.10					0.05	0.25	0.03		0.02	0.08			0.19	0.12			0.06		0.20		0.39	
Emmetsburg	8	2.62															0.37	0.24			0.05	0.40	0.26		0.21	0.34	T		0.07		0.55		0.13	
Estherville Airport	24	3.97			0.15									0.61	0.02	0.13			0.05	0.25	0.14			0.57	0.17			T	0.08		0.98	0.58	0.24	
Estherville 4 E	7	3.90				0.15											0.69	0.18			0.10	0.28	0.15			0.53	0.17			T	0.08	1.02	0.55	
Everly 3 WNW	7	4.16				0.41						0.07					0.02	0.29			0.05	0.28	0.23		0.06	0.20			0.04		0.86		1.65	
Hawarden	7	2.84																0.34				0.05			0.70	0.13			0.03		0.14		1.45	
Le Mars	7	1.42																0.31			0.21	0.08				0.60			0.01		0.07		0.14	
Orange City	7	2.29				0.01						0.12					0.03	0.21			0.09	0.11			0.26	0.24			0.05		0.04		1.13	
Pocahontas	8	1.93			0.01	0.01										T	0.15	0.05		0.01	0.01	0.12				0.32			0.05		0.13	0.40	0.67	
Primghar	16	2.92				0.10								0.02			0.24			0.06	0.40			0.60					0.20		0.32		0.48	
Remsen #2	6	2.14															0.54	0.27			0.25	0.07				0.86				0.04		0.11		
Rock Rapids	8	3.04															0.75	0.41				0.37			0.32	0.17		T		0.09		0.66	0.27	
Rock Valley	7	3.37									0.15	1.16					0.04	0.42				T	0.16			0.23	0.27			0.16		0.46		0.32
Sanborn	8	3.47										1.15					0.05	0.27			0.07	0.50	0.10		0.20	0.18			0.09		0.33		0.53	
Sheldon	7	2.83									T	0.11					0.14	0.22			0.02	0.43	T		0.44	0.21				0.22		0.06	T	0.98
Sibley	7	2.44									0.02						0.22	0.22				0.18			0.05	0.26	0.45			0.05		0.56		0.43
Sioux Center 2 SE	16	3.21										0.12			0.02	T	0.35			T	0.02	0.06			0.35					0.05		0.05	T	2.19
Sioux Rapids 4 E	22	2.41													0.27	0.07	0.20		0.21	0.08				0.49				0.11			0.84	0.13	0.01	
Spencer Airport	24	3.05			0.07						T	0.05			0.01	0.13	0.19		0.03	0.18	0.13			0.50				0.01	0.01	0.02	0.80	0.88	0.04	
Spencer 1 N	24	4.14			0.15							0.29			0.08	0.08	0.20		0.02	0.21	0.23			0.39	T				0.04		1.59	0.65	0.21	
Spirit Lake 4 W	24	4.61			T						T				0.06	T	0.35		0.02	0.12	0.16			0.55	0.58			T	T	0.15		1.35	1.15	0.12
Storm Lake	8	2.10										0.30					T	0.35					0.01	0.06			0.31	T		0.06		0.44	0.09	0.48
NORTH CENTRAL DIVISION																																		
Algona 3 W	6	2.48				0.02						0.33				0.34	0.20	0.05		0.16	0.07	0.20			0.26	0.15			0.11		0.41	0.05	0.13	
Allison	7	6.07										T	0.02			1.32	0.18	0.08	0.30	0.08		0.12			0.75	1.65				0.03	1.08	0.46		
Britt	7	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Charles City	7	6.11					T					T				0.24	0.18	0.09		0.37	0.02	T			1.04	2.29		0.01			0.20	1.41	0.26	
Clarion	7	5.15			0.01	T						0.61	T				0.50	0.22		0.40	T	0.16			0.82	0.18			0.06		0.14	0.70	1.35	
Dakota City	8	2.79				0.05						0.07				0.04	0.27	0.12		0.11	T	0.23	T		0.67	0.11			0.03		0.08	0.35	0.66	
Forest City 2 NNE	7	2.67				T	0.04					0.22				0.05	0.24	T		0.21	0.15	T			1.29	0.19		T			0.05		0.23	
Hampton	7	6.58										0.02				0.02	0.27	0.05	0.28	0.15	0.02				0.69	0.80			0.05		0.03	0.75	3.45	
Kanawha	8	5.88										0.44					0.38	0.19		1.44	0.02	0.11			0.68	1.69			0.09		0.09	0.62	0.13	
Lake Mills	7	3.01				0.02										0.05	0.30	0.02		0.74	0.28	0.01			0.49	0.26		0.03		0.23	0.08	0.50		
Mason City	7	3.47			0.03							0.03		0.03	0.03	0.34	0.04		0.22	0.01					1.05	0.98				0.01	0.48	0.22		
Mason City Airport	24	3.36		0.02	T							0.01		0.12	0.03	0.02	0.33		0.26	0.01	T			0.21	1.57		0.01			0.40	0.37	T		
Nashua 2 SW	7	5.09										0.03				0.04	0.38	0.15	0.01	0.80	0.03				1.46	0.46		0.05		0.05	1.28	0.35		
Northwood	7	2.47				0.05									T	0.03	0.43	0.03		0.69	0.12	0.04				0.27	0.13				0.18	0.18	0.32	
Osage	7	3.96														0.37	0.27	0.03		0.70	0.08		T		0.30	0.83	0.05	0.04		0.23	0.40	0.66		
Saint Ansgar	6	2.87				T									T	0.06	0.30	0.04		0.52	0.10	T	T	T	0.28	0.10		0.04		0.25	0.62	0.56		
Swea City 4 W	7	3.43				0.06										1.27	0.19	0.01		0.05	0.31	0.08			0.63	0.35		T		0.21		0.27		
NORTHEAST DIVISION																																		
Cascade	7	8.11										T				T	T	3.04	1.30	0.01		0.01			0.06	1.00		T		0.41	2.11	0.17		
Cresco 1 NE	7	4.43								0.02	T					0.41	0.41	0.12		0.16	0.14	0.02	0.17		0.06	0.36		0.23		1.14	0.51	0.68		
Decorah	16	4.41														0.97	0.18			0.20	0.12	T	0.02	T	0.17	0.53		0.15		1.79	0.09	0.19		
Dubuque Lock & Dam 11	6	3.66				0.01											0.29	0.23	0.45	0.05		0.04			0.02	0.55		0.02			1.75	0.25		
Dubuque Airport	24	3.06															0.04	0.08	0.98	0.07		0.05		0.04	T	0.42	0.01			1.26	0.06	0.05		
Elkader 6 SSW	7	6.76										0.03	T			0.32	0.04	0.32	0.01	0.14	0.02		0.01		0.80	2.05	T	0.03		0.89	1.93	0.17		
Fayette	7	8.55										0.05	T			0.68	0.41	0.23	T	0.47			T	T	1.64	1.14		0.04		1.44	2.16	0.29		
Guttenberg L & D 10	6	6.34										0.02				0.20		0.86		0.36	0.02				0.04	1.58		0.11			2.75	0.40		
Ionia 2 W	7	6.21										T	0.13			0.20	0.83	0.12		0.57	0.03	T			1.06	0.86				0.27	1.88	0.26		
Manchester #2	7	6.51											T			0.01	0.02	0.04	2.68	0.97	0.07			T	0.10	0.81		T		1.11	0.11	0.59		
New Hampton	8	9.51											T			0.98	0.17	0.13		1.50	T				2.40	1.30		0.02		0.46	2.30	0.25		
Oelwein 1 E	7	6.20														0.35	0.32	0.95	0.30	0.91	T		T		0.58	1.49	0.04	0.04		0.75	0.02	0.45		
Postville	7	5.90														0.49	0.08																	

JUNE 2017			'DAILY PRECIPITATION (INCHES) FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																										IOWA CLIMATE REVIEW				
STATION	OBS	TOTAL	DAY OF MONTH																														
	TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Tripoli	7	6.43								0.18					0.80	0.10	0.11	0.10	0.16	0.01		T		1.08	1.03		0.04			0.13	2.41	0.28	
Waterloo Airport	24	5.75								0.02	T			0.37		1.31	0.28	0.73	0.01		0.02		0.71	1.67				T		0.17	0.46	T	
WEST CENTRAL DIVISION																																	
Audubon	8	2.49													T	0.50	0.17	0.06	0.24							0.95			0.12	0.10	0.32		0.03
Battle Creek 3 NE	8	1.65														1.06		T	T	0.06					0.05			0.06		0.34	0.04	0.04	
Carroll	7	1.40													0.02	0.53	0.13		0.02	0.13			0.02					0.12		0.25		0.18	
Castana Exp. Farm	8	3.01														0.97	0.08		0.35	0.02								0.29	M	0.40	0.05	0.85	
Denison	7	1.96														0.79	0.06		0.13	0.02								0.28	0.03	0.25		0.40	
Guthrie Center	8	2.54														1.27	0.40	T	0.06	T					0.30			0.10		0.40		0.01	
Holly Springs 1 NW	7	3.40														0.90			0.08	0.04					T			0.24		0.24		1.90	
Holstein	7	1.86														1.12	T			0.14					0.12			0.04	0.27	0.05	0.12		
Little Sioux 2 NW	7	3.85				T									0.03	1.68	0.05		0.64							0.04		0.29		0.32	0.04	0.76	
Logan	8	3.21		0.02											0.32	0.62	0.01	0.12	0.52	T								0.04		0.20		1.36	
Mapleton #2	7	2.73														0.93	0.05		0.08	0.02								0.20		0.36	0.02	1.07	
Rockwell City	7	1.83														0.08	0.20	0.12		0.14	T			T	0.14					0.28	0.20	0.67	
Sac City	7	1.54														0.03	0.32	0.08		0.10	0.05				0.25					0.26	0.30	0.15	
Sioux City Airport	24	1.72														0.32	0.14		0.11	0.02					T			0.25		0.29	0.59		
CENTRAL DIVISION																																	
Ames Airport	24	2.85								0.16						T	1.65	T	0.09	0.01		0.16				0.19			0.10		0.40	0.04	0.05
Ames 8 WSW	16	1.73														0.76			0.34	0.02	0.02					0.02		0.10		0.40	0.01	0.06	
Ames 5 SE	6	2.93										0.08				T	1.03	0.92	0.05	0.15	T		0.07		T	0.13		0.09	T	0.16	0.23	0.02	
Ankeny	8	3.82														0.53	0.13	0.99	0.02					0.24		1.33		0.06		0.19	0.33		
Boone	8	3.18														T	1.14	0.16		0.29	0.08		T			0.72		0.08		0.59		0.12	
Brooklyn	7	3.27														0.20		0.11	2.32			0.03		0.36	0.15				0.10		T		
Clutier	7	3.64				0.01										T	0.48		0.02	0.49	0.04		T		0.16	1.76		T		0.07	0.09	0.52	
Des Moines Airport	24	2.34												T	T	0.42	0.21	0.04	T		T		0.11	0.67	T		0.20		0.69	T	T		
Des Moines Camp Dodge	24	2.83														1.00	0.06	0.06					0.14	0.64			0.10		0.67	0.01	0.15		
Eldora	7	5.01													0.19	0.40	0.11		0.38	0.04	0.02	0.14			0.64	0.46		0.02		0.04	1.91	0.66	
Fort Dodge 5 NNW	7	4.26				0.30										0.50	0.30		0.30	0.02	0.10		T	0.30	0.05		0.05		0.10	1.59	0.65		
Gilman	7	1.40														0.25			0.85						0.22	0.03		T			0.05	T	
Grinnell 3 SW	7	3.33														0.15	0.01	0.51	2.10			0.09		0.13	0.18		0.02		0.04	0.10			
Grundy Center	8	4.83														0.28	0.36	0.73	0.10	0.33	0.05			0.44	0.02		0.02			T	2.18	0.32	
Iowa Falls	7	5.62					T					T				0.35	0.34	0.10		0.78	0.01	0.06	T		0.22	0.19		0.04		0.12	1.47	1.94	
Marshalltown	7	3.36				0.06										0.53	1.04		1.10	0.02				0.05	0.02				0.04	0.30	0.20		
Marshalltown Airport	24	3.56				0.04										1.68	T	1.03	0.03	T			0.01	0.08			T		0.33	0.35	0.01		
Montezuma 1 W	7	1.76														0.29	0.03	0.18	0.57	0.01		0.10	0.06	0.38			T		0.10	0.04			
Newton	7	1.44														0.12	0.08	1.00	0.04					T	0.08			T	0.03	0.09	T		
Perry	7	2.71			0.01											0.83	0.67	T	0.08						0.38		0.16		0.52			0.06	
Toledo 3 N	7	2.32														0.38	0.02	0.02	0.32	0.02	T			0.02	1.09		T			0.08	0.37		
Webster City	7	3.68				T					0.39				0.10	0.65	0.13		0.48	T	0.14			0.46	T		0.05		0.25	0.60	0.43		
Zearing	7	3.24														0.54	0.34		1.52	0.07	0.05			0.09	0.13		0.04		0.13		0.33		
EAST CENTRAL DIVISION																																	
Anamosa 3 SSW	6	5.84				0.31					0.01	0.32					0.12	1.50	1.03	0.02		0.05			0.45	1.13	0.01			0.01	0.79	0.09	
Belle Plaine	7	1.93														0.30	0.08	0.50	0.25					0.30	0.13				0.30	0.07	T		
Bellevue Lock & Dam 12	6	5.36															0.92	1.10	0.21			0.16			0.90		0.05				2.00	0.02	
Cedar Rapids Airport	24	2.96				0.02					T					0.81	0.32	0.33	0.03				0.22	0.01	0.42			T		0.80	T		
Cedar Rapids #1	17	4.95				0.47						0.03				0.73		0.23	1.12		0.08		0.20	0.08	1.11			0.05		0.63	0.09	0.13	
Clinton #1	18	5.77										T					0.11	0.23	2.55	0.02	0.02	0.08	0.08	0.04	1.69					0.91	0.04		
Coggon	6	5.78				0.05						T	0.39		0.08	0.03	0.11	1.18	0.62	T		T		0.21	0.48					1.08	1.29	0.26	
Davenport Airport	24	5.19					T				T					0.04	0.70	0.24	1.37		0.04	0.01	0.36	T	0.86	T		0.01		1.51	0.04	0.01	
De Witt	8	4.46				0.03										0.47	0.38	0.68	0.09				0.53	0.20	1.20					0.45	0.43		
Iowa City	7	3.45														0.01	0.18	0.33	1.90	0.15				0.30	0.01					0.41	0.16		
Iowa City Airport	24	4.21														0.44	0.29	0.15	2.09		T	T	0.35		0.06	T		0.07		0.76	T		
Le Claire L & D 14	6	4.76															0.87	0.75	0.10				0.03	0.32	1.08						1.52	0.09	
Lowden	24	3.21				0.02					T	0.01				0.13	0.71	0.09	0.21		T	0.11	0.19		0.42		T			1.30	0.01	0.01	
Maquoketa 4 W	7	4.59				T						0.26				0.30	0.92	0.69				0.12		0.08	0.65		T			T	1.57		
Monticello	7	8.07														0.04	1.96	2.23				0.05		0.17	1.13					1.01	1.34	0.14	

JUNE 2017			'DAILY PRECIPITATION (INCHES) FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																										IOWA CLIMATE REVIEW					
STATION	OBS	TOTAL	DAY OF MONTH																															
	TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Muscatine	6	4.30				0.04											0.13	0.06	0.90	1.25				0.35	0.13				0.13	0.55	0.74	0.02		
Muscatine 2 N	5	4.31				T											0.13	0.06	1.02	1.33				0.09	0.27		T			0.69	0.69	0.03		
Swisher	7	1.93				0.01											0.38	0.23	0.30					0.19	0.37					0.40	0.05			
Vinton	7	3.36				0.06						0.02					0.18	0.08	0.09	0.37	0.02				0.30	0.54			0.05		0.08	1.10	0.47	
Williamsburg 1 E	7	3.44															0.06	0.13	0.21	2.30			0.11		0.26					0.37				
SOUTHWEST DIVISION																																		
Atlantic 1 NE	7	2.78		0.01												0.03	0.71	0.68	0.22	0.59	0.05					0.19	0.01		0.09	0.01	0.16		0.03	
Bedford	7	6.04					0.06										0.33	0.03	1.10	2.15	T					T	T			0.35	0.65	1.35	0.02	
Clarinda	6	4.98															0.38	0.02	2.05	1.20										0.32	0.53	0.32	0.16	
Corning 1 W	7	5.33															1.31	0.13	0.81	2.38	0.02					0.07			0.01	0.14	0.37	0.08	0.01	
Glenwood	6	6.14			T	0.01										0.14	0.26	0.50	0.47	0.87	I								0.08	0.10	1.09		1.17	
Greenfield	8	3.68		0.16													0.63	0.33	0.23	0.12	0.01				0.52				0.03	0.02	0.76	0.73	0.14	
Hastings 4 NE	8	4.61		0.76				T								0.08	0.28	0.40	0.48	0.98	0.04				0.32				0.22	0.10	0.70	0.05	0.20	
Massena	7	3.21															0.91	0.22	0.59	0.42					0.47					0.05	0.41	0.11	0.03	
Oakland	7	3.77														0.34	0.24	0.81	0.12	1.52	T					0.12			T	0.04	0.31		0.27	
Randolph	8	5.67		0.08												0.26	0.82	0.52	0.50	0.70	0.05				0.07				0.21	0.17	1.19	0.11	0.99	
Red Oak	7	5.08			T			0.01								0.09	0.82	0.48	0.86	1.07	0.01					0.85		T		0.10	0.14	0.55	0.04	0.06
Shenandoah	8	5.63		0.25	0.08		0.05									T	0.88	0.31	1.26	1.07						0.01			0.15	0.11	0.68	0.63	0.15	
Sidney 1 SSE	7	5.32		0.57			0.29									T	0.15	0.62	0.54	1.27	T					T	T		0.25		1.60	0.03		
Underwood	7	2.52			T											0.68	0.53	T	0.07	0.53	T							0.07	T	0.26		0.38		
SOUTH CENTRAL DIVISION																																		
Albia 3 NNE	7	2.80																	0.53	0.02	0.22			0.70		1.11		0.12	0.04	0.01	0.05			
Allerton	8	1.98															T	0.34	0.17	0.01	T					0.82			0.10	T	0.47	0.07		
Beaconsfield	7	1.64														0.06	0.10	0.15	0.18							0.20			0.03	0.14	0.31	0.47		
Centerville	7	4.72																1.35		0.83						1.86			0.07	0.17	0.46	0.15		
Chariton 1 E	7	2.87														0.10		1.07								0.95			0.02	0.20	0.03	0.50		
Creston 2 SW	7	3.50		1.68	0.26											0.37	0.04	0.23	0.16						0.17				0.15	0.31	0.13			
Indianola 4 W	7	1.40														0.10		0.06	0.07	T			0.05	T	0.19			0.09	0.14	0.10	0.60			
Knoxville	8	4.04														0.15	0.11	0.62	0.02				0.40	0.15	1.96			0.15		0.20	0.28			
Lamoni	7	5.03														T	0.02	1.40	1.90						0.18			0.01	0.15	0.15	1.15	0.07		
Lamoni Airport	24	3.49														0.01	0.76	1.29	T				T	0.01	0.06			0.11	1.20	0.05				
Lorimor	8	1.19														0.07	0.04	0.22	0.08	I					0.45				0.03	0.20	0.10			
Mount Ayr	8	5.97														0.17	0.03	0.60	1.90						T	0.22		0.08	0.22	0.25	2.50	T		
Osceola	8	2.45				0.78										0.10	0.03	1.14	0.04	T					0.04				0.12	0.17	0.03	T		
Pella 1 S	7	2.35														0.14	0.03	0.54	0.04			0.16	0.03	0.03	0.46	0.01		0.12	0.02	0.03	0.73	0.01		
Rathbun Dam	7	3.26															0.01	0.95	0.03	0.47					1.56			0.01	0.08		0.15			
Winterset 1 S	7	2.11				0.22										0.16	0.08	0.07	0.07	I					0.17			0.12	0.20	0.23	0.75	0.04		
SOUTHEAST DIVISION																																		
Bloomfield 1 WNW	7	1.37																0.28	T	0.17					0.08	0.40				0.09		0.21	0.14	
Burlington Airport	24	1.11				0.01										0.04		0.28	0.19	T	0.05		0.13	T	0.17			0.06		0.17	0.01			
Donnellson	7	0.91															0.03	0.39	0.10	0.04	T	0.02		0.04	0.12				0.08		0.06	0.03		
Fairfield	8	0.88															0.20	0.06	0.05	0.04		T	0.08	0.10	0.11			0.11	0.02	0.04	0.04	0.03		
Fort Madison	24	1.47														0.15		0.47	0.37	0.04	0.02		0.07		0.04			0.18		0.10	0.03	T		
Keokuk Lock & Dam 19	6	2.03															0.23	0.43	0.10	0.11					0.02	0.53	0.04		0.06		0.47	0.04		
Keosauqua	7	1.37				0.51												0.22	T	0.10		T		0.24	0.17			T	0.10		0.03			
Mount Pleasant 1 SSW	7	1.58															0.70	0.10	0.09	0.11	0.02			0.20	0.20				0.04		0.10	0.02		
Oskaloosa	7	1.12														0.20	T	0.24	0.07		0.03	0.01		0.03	0.38			0.08		0.04	0.04			
Ottumwa Airport	24	0.97				0.01										T	0.01	0.08	0.58		0.01		0.06	T	0.07			0.12		0.03	T			
Ottumwa 5 W	7	M	M	M	M	M	M	M	M	M	M	M	M				0.15	0.01	0.30					0.30	0.21			T	0.16		0.40			
Salem 1 S	7	1.06																0.10	0.06	0.55	0.07				0.03	0.12			0.07	0.04	0.02			
Sigourney	7	1.14														0.01	0.10	0.45	0.14	0.18					0.01	0.10		0.01	T	0.14	T			
Washington	7	1.56														T	0.15	0.12	0.23	0.22		0.02		0.22	0.12			T	0.21	0.23	0.04	T		
SUPPLEMENTAL STATIONS																																		
Moline Airport	24	4.15									T						0.01	0.01	0.09	1.44		0.03	T	0.20		0.57	0.09		T	1.62	0.09			
Omaha Eppler AP	24	3.14		0.01											0.03	0.31	0.28	0.22	1.13	0.01					T			0.14		0.18	0.74	0.09		
Sioux Falls WFO AP	24	3.29													0.97	0.39			0.20					0.36	T			0.13	0.02	0.35	0.85	0.02		

JUNE 2017	STATION INDEX			IOWA CLIMATE REVIEW						JUNE 2017	STATION INDEX			IOWA CLIMATE REVIEW					
			COORDINATES						ELEV				COORDINATES						ELEV
STATION NAME	DIV	COUNTY	LATITUDE			LONGITUDE			(FT)	STATION NAME	DIV	COUNTY	LATITUDE			LONGITUDE			(FT)
			DEG	MIN	SEC	DEG	MIN	SEC					DEG	MIN	SEC	DEG	MIN	SEC	
Akron	NW	Plymouth	42	49	37	96	33	21	1125	Decorah	NE	Winneshiek	43	18	15	91	47	43	860
Albia 3 NNE	SC	Monroe	41	3	56	92	47	12	890	Denison	WC	Crawford	42	2	11	95	19	44	1401
Algona 3 W	NC	Kossuth	43	4	6	94	18	19	1230	Des Moines Airport	C	Polk	41	32	2	93	39	11	957
Allerton	SC	Wayne	40	42	15	93	22	11	1110	Des Moines Camp Dodge	C	Polk	41	44	12	93	43	25	959
Allison	NC	Butler	42	45	13	92	48	8	1048	De Witt	EC	Clinton	41	48	39	90	32	26	685
Ames Airport	C	Story	41	59	26	93	37	8	955	Donnellson	SE	Lee	40	38	45	91	33	50	705
Ames 8 WSW	C	Boone	42	1	15	93	46	27	1099	Dubuque L & D 11	NE	Dubuque	42	32	24	90	38	46	620
Ames 5 SE	C	Story	41	57	7	93	33	56	870	Dubuque Airport	NE	Dubuque	42	23	52	90	42	13	1056
Anamosa 3 SSW	EC	Jones	42	5	35	91	18	7	906	Eldora	C	Hardin	42	21	55	93	5	50	1144
Ankeny	C	Polk	41	43	6	93	34	27	940	Elkader 6 SSW	NE	Clayton	42	46	31	91	27	13	788
Atlantic 1 NE	SW	Cass	41	25	3	95	0	14	1148	Emmetsburg	NW	Palo Alto	43	6	9	94	41	0	1260
Audubon	WC	Audubon	41	42	25	94	55	20	1280	Estherville Airport	NW	Emmet	43	24	4	94	44	50	1317
Battle Creek 3 NE	WC	Ida	42	22	12	95	34	30	1380	Estherville 4 E	NW	Emmet	43	24	13	94	44	50	1320
Beaconsfield	SC	Ringgold	40	48	25	94	2	51	1215	Everly 3 WNW	NW	Clay	43	11	0	95	22	59	1365
Bedford	SW	Taylor	40	40	27	94	43	28	1190	Fairfield	SE	Jefferson	41	1	16	91	57	19	746
Belle Plaine	EC	Benton	41	52	53	92	16	35	810	Fayette	NE	Fayette	42	51	1	91	48	57	1130
Bellevue L & D 12	EC	Jackson	42	15	40	90	25	23	603	Forest City 2 NNE	NC	Winnebago	43	17	4	93	37	50	1276
Bloomfield 1 WNW	SE	Davis	40	45	35	92	26	22	812	Fort Dodge 5 NNW	C	Webster	42	35	1	94	12	2	1140
Boone	C	Boone	42	2	30	93	53	26	1035	Fort Madison	SE	Lee	40	37	16	91	19	34	530
Britt	NC	Hancock	43	6	6	93	48	5	1240	Gilman	C	Marshall	41	52	41	92	46	43	1040
Brooklyn	C	Poweshiek	41	44	22	92	26	24	910	Glenwood	SW	Mills	41	3	6	95	44	57	1060
Burlington Airport	SE	Des Moines	40	46	51	91	7	9	692	Greenfield	SW	Adair	41	17	53	94	27	22	1330
Carroll	WC	Carroll	42	3	54	94	51	0	1227	Grinnell 3 SW	C	Poweshiek	41	43	13	92	44	56	912
Cascade	NE	Dubuque	42	17	56	90	59	54	870	Grundy Center	C	Grundy	42	21	53	92	45	34	1045
Castana Exp. Farm	WC	Monona	42	3	48	95	50	11	1450	Guthrie Center	WC	Guthrie	41	40	7	94	29	50	1075
Cedar Rapids Airport	EC	Linn	41	53	0	91	43	0	868	Guttenberg L & D 10	NE	Clayton	42	47	9	91	5	45	618
Cedar Rapids #1	EC	Linn	42	3	0	91	35	17	810	Hampton	NC	Franklin	42	45	22	93	12	4	1230
Centerville	SC	Appanoose	40	44	11	92	52	9	980	Harlan 1 ESE	WC	Shelby							
Chariton 1 E	SC	Lucas	41	0	59	93	16	45	940	Hastings 4 NE	SW	Mills	41	4	38	95	28	48	1050
Charles City	NC	Floyd	43	3	37	92	40	18	993	Hawarden	NW	Sioux	43	0	11	96	29	6	1190
Cherokee	NW	Cherokee	42	45	26	95	32	16	1180	Holly Springs 1 NW	WC	Woodbury	42	16	49	96	5	46	1100
Clarinda	SW	Page	40	43	28	95	1	19	980	Holstein	WC	Ida	42	29	23	95	32	56	1370
Clarion	NC	Wright	42	43	12	93	44	1	1156	Indianola 4 W	SC	Warren	41	21	56	93	38	53	942
Clinton #1	EC	Clinton	41	47	41	90	15	50	594	Ionia 2 W	NE	Chickasaw	43	2	1	92	30	6	1019
Clutier	C	Tama	42	4	48	92	24	18	900	Iowa City	EC	Johnson	41	36	33	91	30	18	640
Coggon	EC	Linn	42	16	45	91	31	30	903	Iowa City Airport	EC	Johnson	41	37	58	91	32	35	668
Corning 1 W	SW	Adams	40	59	18	94	45	32	1190	Iowa Falls	C	Hardin	42	31	8	93	15	13	1051
Cresco 1 NE	NE	Howard	43	23	22	92	5	38	1255	Jefferson 2 NW	WC	Greene							
Creston 2 SW	SC	Union	41	2	14	94	23	39	1320	Kanawha	NC	Hancock	42	55	52	93	47	36	1185
Dakota City	NC	Humboldt	42	43	32	94	11	43	1110	Keokuk L & D 19	SE	Lee	40	23	48	91	22	30	527
Davenport Airport	EC	Scott	41	36	42	90	34	54	748	Keosauqua	SE	Van Buren	40	43	39	91	58	6	592

JUNE 2017			STATION INDEX						IOWA CLIMATE REVIEW		
			COORDINATES							ELEV	
STATION NAME	DIV	COUNTY	LATITUDE			LONGITUDE			(FT)		
			DEG	MIN	SEC	DEG	MIN	SEC			
Knoxville	SC	Marion	41	19	29	93	6	3	915		
Lake Mills	NC	Winnebago	43	25	4	93	32	5	1260		
Lamoni	SC	Decatur	40	37	24	93	57	3	1128		
Lamoni Airport	SC	Decatur	40	37	50	93	54	3	1135		
Le Claire L & D 14	EC	Scott	41	34	29	90	24	2	577		
Le Mars	NW	Plymouth	42	46	54	96	8	45	1320		
Little Sioux 2 NW	WC	Harrison	41	49	35	96	3	2	1025		
Logan	WC	Harrison	41	38	17	95	47	18	1030		
Lorimor	SC	Union	41	7	29	94	3	5	1230		
Lowden	EC	Cedar	41	51	23	90	55	48	715		
Manchester #2	NE	Delaware	42	28	24	91	27	6	990		
Mapleton #2	WC	Monona	42	9	43	95	47	1	1200		
Maquoketa 4 W	EC	Jackson	42	2	58	90	44	56	782		
Marshalltown	C	Marshall	42	3	53	92	55	28	871		
Marshalltown Airport	C	Marshall	42	6	38	92	54	58	974		
Mason City	NC	Cerro Gordo	43	9	47	93	11	43	1105		
Mason City Airport	NC	Cerro Gordo	43	9	16	93	19	37	1225		
Massena	SW	Cass	41	15	19	94	45	54	1325		
Moline Airport		Rock Island,IL	41	27	55	90	31	24	592		
Montezuma 1 W	C	Poweshiek	41	35	1	92	32	59	965		
Monticello	EC	Jones	42	14	28	91	10	24	820		
Mount Ayr	SC	Ringgold	40	42	19	94	14	34	1180		
Mount Pleasant 1 SSW	SE	Henry	40	56	55	91	33	53	730		
Muscatine	EC	Muscatine	41	24	27	91	4	22	549		
Muscatine 2 N	EC	Muscatine	41	28	17	91	3	47	680		
Nashua 2 SW	NC	Floyd	42	56	13	92	34	13	1059		
New Hampton	NE	Chickasaw	43	2	43	92	18	44	1148		
Newton	C	Jasper	41	42	42	93	1	47	960		
Northwood	NC	Worth	43	26	19	93	13	31	1190		
Oakland	SW	Pottawattamie	41	18	16	95	23	4	1260		
Oelwein 1 E	NE	Fayette	42	40	48	91	52	30	1165		
Omaha Eppley Airport		Douglas, NE	41	18	37	95	53	57	982		
Orange City	NW	Sioux	43	0	2	96	3	14	1380		
Osage	NC	Mitchell	43	16	46	92	48	38	1170		
Osceola	SC	Clarke	41	1	10	93	45	1	1028		
Oskaloosa	SE	Mahaska	41	19	17	92	38	48	830		
Ottumwa Airport	SE	Wapello	41	6	28	92	26	48	842		
Ottumwa 5 W	SE	Wapello	41	0	36	92	31	3	833		
Pella 1 S	SC	Marion	41	22	34	92	55	13	780		
Perry	C	Dallas	41	50	22	94	6	38	965		
Pocahontas	NW	Pocahontas	42	43	45	94	39	41	1212		
JUNE 2017			STATION INDEX						IOWA CLIMATE REVIEW		
			COORDINATES							ELEV	
STATION NAME	DIV	COUNTY	LATITUDE			LONGITUDE			(FT)		
			DEG	MIN	SEC	DEG	MIN	SEC			
Postville	NE	Allamakee	43	5	24	91	33	29	1165		
Primghar	NW	O' Brien	43	5	11	95	37	45	1520		
Randolph	SW	Fremont	40	52	28	95	34	0	980		
Rathbun Dam	SC	Appanoose	40	49	30	92	53	33	965		
Red Oak	SW	Montgomery	41	0	13	95	14	31	1040		
Remsen #2	NW	Plymouth	42	48	37	95	58	30	1330		
Rock Rapids	NW	Lyon	43	25	48	96	10	7	1347		
Rock Valley	NW	Sioux	43	12	16	96	18	22	1246		
Rockwell City	WC	Calhoun	42	23	49	94	37	45	1224		
Sac City	WC	Sac	42	25	10	94	58	34	1210		
Saint Ansgar	NC	Mitchell	43	22	54	92	55	24	1139		
Salem 1 S	SE	Henry	40	50	8	91	37	20	650		
Sanborn	NW	O' Brien	43	10	45	95	39	37	1551		
Sheldon	NW	O' Brien	43	10	51	95	51	10	1420		
Shenandoah	SW	Page	40	46	2	95	22	48	975		
Sibley	NW	Osceola	43	24	17	95	44	54	1529		
Sidney 1 SSE	SW	Fremont	40	44	10	95	38	35	1140		
Sigourney	SE	Keokuk	41	20	11	92	12	16	800		
Sioux Center 2 SE	NW	Sioux	43	3	21	96	9	9	1360		
Sioux City Airport	WC	Woodbury	42	23	29	96	22	45	1095		
Sioux Falls		Minnehaha,SD	43	34	40	96	45	14	1428		
Sioux Rapids 4 E	NW	Buena Vista	42	53	35	95	3	55	1420		
Spencer Airport	NW	Clay	43	9	52	95	12	6	1338		
Spencer 1 N	NW	Clay	43	9	55	95	8	48	1326		
Spirit Lake 4 W	NW	Dickinson	43	25	53	95	10	56	1430		
Stanley 3 WSW	NE	Buchanan	42	38	0	91	51	48	1114		
Storm Lake	NW	Buena Vista	42	38	49	95	11	36	1442		
Strawberry Point	NE	Clayton	42	41	7	91	31	57	1200		
Swea City 4 W	NC	Kossuth	43	24	8	94	22	59	1239		
Swisher	EC	Johnson	41	50	59	91	40	35	790		
Toledo 3 N	C	Tama	42	2	8	92	34	50	949		
Tripoli	NE	Bremer	42	48	45	92	15	27	960		
Underwood	SW	Pottawattamie	41	23	22	95	40	52	1080		
Vinton	EC	Benton	42	10	13	92	0	28	850		
Wapello	SE	Louisa									
Washington	SE	Washington	41	16	57	91	42	28	687		
Waterloo Airport	NE	Black Hawk	42	33	16	92	24	4	868		
Webster City	C	Hamilton	42	28	7	93	47	50	1170		
Williamsburg 1 E	EC	Iowa	41	39	54	91	59	52	810		
Winterset 1 S	SC	Madison	41	18	22	94	1	6	1104		
Zearing	C	Story	42	10	1	93	18	35	1116		

REFERENCE NOTES

DEFINITIONS

STATION NAMES: Name of the city or locality. Figures and letters following the station name indicate the distance and direction from the post office or town community center.

NORMALS: The average of the meteorological element over the period from 1981 to 2010. Normals are calculated by the National Climatic Data Center and are revised once every 10 years. The precipitation and snowfall normals are strictly an average of the values recorded during the 1981-2010 period. However, temperature and degree day normals may have been adjusted to better correspond to the current (as of 2010) temperature measurement practice and thus may vary slightly from the average of the original 30-year values.

DEGREE DAYS: One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature [average of the daily maximum and minimum air temperature] is BELOW (ABOVE) 65°F. Degree days are used to provide a measure of the effect of temperature upon energy consumption for heating or cooling of homes or buildings. The greater the heating (cooling) degree day total, the greater the amount of energy needed to heat (cool) your home or building.

PRECIPITATION: Values shown in hundredths of an inch are water equivalent totals, i.e., total of liquid (rain) and melted frozen (snow, sleet, hail) precipitation. The snowfall data tables include the unmelted depth of snow and sleet in tenths of an inch. The depth of snow on the ground (SN ON GROUND) refers to the depth of all snow or ice (new or old). This 'Snow on Ground' value is the depth of snow on the ground at the time of the precipitation observation at all stations *except*: Burlington, Davenport, Des Moines, Dubuque, Mason City, Moline, Omaha, Ottumwa, Sioux City and Sioux Falls Airports where the snow depth is measured at 6 a.m. CST while the new snowfall is that for the 24 hour period ending at midnight. Daily precipitation and snowfall amounts are for the 24 hours ending at the time of observation (given in the 'OBS TIME' column). An asterisk in the daily precipitation table indicates that the rain gage was not read that day. A multi-day precipitation total is included in the amount immediately following the asterisks.

TEMPERATURE: The daily maximum (MAX) and minimum (MIN) temperatures are recorded for the 24 hours ending at the time of observation. The significance of the time of observation in interpreting these data is discussed in the preceding paragraph.

TIME OF OBSERVATION: At most locations measurements of temperature and precipitation are made only once daily at the same hour of the day. This time is referred to as the 'Time of Observation' and is given in the 'OBS TIME' column of the data tables. All observations, unless otherwise noted, are for the 24 hour period ending at the time of observation. Note that in most cases the resulting data are not for calendar day (i.e., midnight-to-midnight) periods and further that the temperature observations may be made at a different time than the precipitation observation at the same station. See the PRECIPITATION paragraph in this section for a further explanation of the significance of the time of observation. All times are expressed on a 24-hour clock (i.e., 7 a.m. = 7; 5 p.m. = 17; midnight = 24, etc.).

SYMBOLS USED IN THE DAILY AND MONTHLY DATA TABLES.

' ' Underlined data in the daily temperature, precipitation and snowfall tables indicates that the data in question has been estimated. Estimated data are provided when the original measurements are not available or are of suspect accuracy.

ITALICS. Data given in italics in the daily precipitation or snowfall tables indicate that the date on which the precipitation was reported has been changed from what was given on the original reports.

'+' A plus sign in the monthly summarized data tables indicates that the temperature or precipitation extreme given also occurred on one of more earlier dates during the month.

BLANK ENTRIES: Blank entries in the monthly summarized data table indicates that no data are available. Blank entries in the daily precipitation and snowfall data tables indicates that no precipitation was recorded. M = missing, no data recorded.

ABBREVIATIONS:

TMP DEP NOR: Temperature departure from the 1981-2010 normal.

EXT MAX: Extreme maximum temperature for the month and the day on which it was measured.

EXT MIN: Extreme minimum temperature for the month and the day on which it was measured.

MAX 90+: Number of days with maximum temperatures which were greater than or equal to 90°F.

MAX 32-: Number of days with maximum temperatures which were less than or equal to 32°F.

MIN 32-: Number of days with minimum temperatures which were less than or equal to 32°F.

MIN 0°: Number of days with minimum temperatures which were less than or equal to 0°F.

16/17 SEAS: 2016-2017 season (July 1, 2016 through the end of the published month).

NOR SEAS: Normal number of degree days through the end of the published month.

DEP NORM: Monthly precipitation total departure from 1981-2010 normal.

EXT DAY: Extreme one-day precipitation amount and the day on which it occurred.

.01+: Number of days with precipitation of 0.01 inch or greater.

.10+: Number of days with precipitation of 0.10 inch or greater.

1.00+: Number of days with precipitation of 1.00 inch or greater.

MAX ON GRD: Maximum depth of accumulated snow on the ground (inches) and the day on which it was measured.

OBS TIME: Observation Time: The time (24-hour clock) at which the daily temperature and/or precipitation measurement is made (7 = 7 a.m.; 17 = 5 p.m.; 24 = midnight).

DIV: Climate Division: NW = northwest, NC = north central, etc.

LAT: Latitude in degrees and minutes north.

LON: Longitude in degrees and minutes west.

T: Trace: < 0.005" of precipitation; < 0.05" snowfall or < 0.5" snow on ground.

