



IOWA MONTHLY WEATHER SUMMARY – JUNE 2015

General Summary. Temperatures averaged 69.6° or 0.1° below normal while precipitation totaled 6.43 inches or 1.41 inches above normal. This ranks as the 72nd warmest and 22nd wettest June among 143 years of records.

Temperatures. Unseasonably cool weather prevailed for the first two days of June with Elkader reporting a morning low of 36° on the 1st. However, the warmest weather of the month soon followed with above normal readings from the 3rd through the 10th. The 9th and 10th were the hottest days with a high of 99° at Sioux City on the 9th with 97° maximums at Clarinda, Shenandoah and Sidney on the 10th. The last three weeks of the month were mostly on the cool side of normal but with daily averages never more than five degrees away from normal. Temperature extremes for the second one-half of the month varied from a high of 97° at Lamoni on the 20th to a low of 48° at Sanborn on the 16th.

Cooling Degree Day Totals. Home air conditioning requirements, as estimated by cooling degree day totals, averaged 7% less than normal and 11% less than last June. Cooling degree day totals thus far this air conditioning season are running 12% less than normal and 22% less than at this time last year.

Precipitation. A relatively dry period prevailed for the first seven days of June, however rain was frequent for the remainder of the month. Greatest rains fell from the 10th to the 12th and 20th through the 25th. Rains with the first wet period were especially heavy in far southwest Iowa and in the Cedar Rapids area where amounts of 4 to 6 inches were common. The most intense rains of the month fell on the night of the 24th across central Iowa from Greene County southeast to Monroe County. Columbia in Marion County recorded the most rain with 7.30 inches. The Raccoon River (at Fleur Drive) and the Des Moines River (at SE 6th St.) in Des Moines both recorded their third highest crests of record on June 26 (behind 1993 and 2008). However, monthly rain totals were below normal over parts of northern Iowa, particularly in the northwest where amounts were only about one-half of normal in Sioux, O'Brien, Clay, Dickinson and Emmet counties. June rain totals varied from 2.07 inches at Everly to 13.54 inches at Waukee. This was the second wettest June on record at Bloomfield, Donnellson, Guthrie Center and Vinton.

Severe Weather. Severe weather was more frequent than in previous months this year with hail or high winds reported somewhere in the state on 13 days during the month. The most widespread severe weather occurred on the 20th, 22nd and 24th. The most noteworthy outbreak was on 22nd when a derecho brought widespread damaging winds to much of the northern one-third of the state during the morning while storms redeveloped in the late afternoon across southeast Iowa with an EF-3 tornado occurring in Monroe 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

June 2015

WEATHER BY DISTRICTS

DISTRICT	TEMPERATURE (F)		COOLING DEGREE DAYS				PRECIPITATION (inches)			
	June 2015		June 2015		Since Jan., 1, 2015		June 2015		Since Jan.1, 2015	
	Average	Departure*	Average	Departure*	Average	Departure*	Average	Departure*	Average	Departure*
Northwest	69.3	+0.5	149	-6	171	-30	3.42	-1.31	11.76	-3.10
North Central	68.4	+0.1	130	-12	157	-23	5.45	+0.26	17.15	+0.26
Northeast	67.8	-0.7	117	-27	154	-27	6.16	+1.06	16.98	-0.29
West Central	69.6	-0.3	161	-14	185	-44	5.53	+0.62	16.97	+0.44
Central	69.2	-0.4	149	-20	184	-35	7.79	+2.43	18.14	+0.35
East Central	69.6	-0.6	158	-24	213	-26	8.34	+3.39	19.45	+2.00
Southwest	71.1	+0.1	200	+1	231	-32	6.54	+1.41	19.03	+1.14
South Central	70.8	+0.6	193	+13	232	-1	7.27	+2.33	18.18	+0.05
Southeast	71.2	-0.3	206	-6	276	-8	7.90	+3.08	18.32	-0.37
STATE	69.6	-0.1	160	-12	197	-26	6.43	+1.41	17.21	+0.01

* Departures are computed from 1981-2010 normals.

The weather data in this report are based upon information collected by the U. S. Dept. of Commerce, NOAA National Weather Service.

State Climatologist, Iowa Dept. of Agriculture & Land Stewardship
COUNTY PRECIPITATION ESTIMATES, JUNE 2015 (inches)

