



## PRELIMINARY IOWA WEATHER SUMMARY – JUNE 2015

General Summary. Temperatures averaged 69.6° or 0.1° below normal while precipitation totaled 6.46 inches or 1.44 inches above normal. This ranks as the 72<sup>nd</sup> coolest and 22<sup>nd</sup> 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 morning of the 1<sup>st</sup>. However, the warmest weather of the month soon followed with above normal readings from the 3<sup>rd</sup> through the 10<sup>th</sup>. The 9<sup>th</sup> and 10<sup>th</sup> were the hottest days with a high of 99° at Sioux City on the 9<sup>th</sup> and 97° maximums at Clarinda, Shenandoah and Sidney on the 10<sup>th</sup>. 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 20<sup>th</sup> to lows of 50° at Mapleton on the 16<sup>th</sup> and at Sheldon and Spencer on the 19<sup>th</sup>.

Cooling Degree Day Totals. Home air conditioning requirements, as estimated by cooling degree day totals, averaged 10% less than normal and 6% less than last June. Cooling degree day totals thus far this air conditioning season are running 11% 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 10<sup>th</sup> to the 12<sup>th</sup> and 20<sup>th</sup> through the 25<sup>th</sup>. 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 24<sup>th</sup> 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 6<sup>th</sup> 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 Bellevue, 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 eleven days during the month. The most widespread severe weather occurred on the 20<sup>th</sup>, 22<sup>nd</sup> and 24<sup>th</sup>. The most noteworthy outbreak was on 22<sup>nd</sup> 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.

Outlook. The National Weather Service 30-day outlook for July and 90-day outlook for the July-August-September period both favor below normal temperatures and above normal precipitation for Iowa.

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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	135	-20	158	-43	3.66	-1.07	12.65	-2.21
North Central	68.5	+0.2	138	-4	165	-15	5.61	+0.42	17.31	+0.42
Northeast	67.8	-0.7	113	-31	148	-33	6.14	+1.04	17.00	-0.28
West Central	69.7	-0.2	161	-14	183	-46	5.88	+0.97	17.50	+0.96
Central	69.3	-0.3	144	-25	182	-37	7.17	+1.81	17.73	-0.07
East Central	69.6	-0.6	168	-14	231	-8	8.27	+3.32	19.40	+1.94
Southwest	71.3	+0.3	205	+6	234	-29	6.47	+1.34	18.42	+0.53
South Central	70.8	+0.6	211	+31	246	+13	7.82	+2.88	18.71	+0.58
Southeast	71.1	-0.4	199	-13	275	-9	7.71	+2.89	18.04	-0.65
STATE	69.6	-0.1	161	-11	199	-24	6.46	+1.44	17.32	+0.11

\* Departures are computed from 1981-2010 normals. Monthly estimates are preliminary and are likely to change.  
 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

PRELIMINARY COUNTY PRECIPITATION ESTIMATES, JUNE 2015 (inches)

