

## IOWA MONTHLY WEATHER SUMMARY – JUNE 2010

General Summary. June 2010 temperatures averaged 71.0° or 1.2° above normal while precipitation totaled 10.39 inches or 5.75 inches above normal. This ranks as the wettest and 41<sup>st</sup> warmest June among 138 years of state records. The only calendar month to bring more rain to Iowa was July 1993 with a statewide average of 10.50 inches while the previous June record was 10.33 inches in 1947.

Temperatures. Warmer than normal weather was the rule for most of June, as has been the case across Iowa for much of the past four months. Cooler than normal weather was restricted to only the 3<sup>rd</sup>, 7<sup>th</sup>, 10<sup>th</sup>, 13<sup>th</sup>-15<sup>th</sup>, 24<sup>th</sup> and 28<sup>th</sup>-30<sup>th</sup>. Monthly temperature extremes varied from morning lows of 45° at Elkader on the 1<sup>st</sup> and at Mapleton and Washta on the 3<sup>rd</sup> to an afternoon high of 95° at Onawa on the 26<sup>th</sup>. Heat indices reached as high as 107° at Des Moines on the 22<sup>nd</sup> and at Burlington on the 23<sup>rd</sup>.

Cooling Degree Day Totals. Home air conditioning requirements, as estimated by cooling degree day totals, averaged 4% more than normal and 14% greater than last June. Cooling degree day totals are running 8% above normal and 36% above last year's totals for the year-to-date.

Precipitation. Parts of northern and western Iowa came into to June needing some rainfall to help newly planted crops develop. They, and all of the rest of Iowa, got much more than they needed. Rainfall was very frequent throughout the month. Pella reported 24 days with measurable rain during the month. The following locations set records for most rain in a single calendar month:

City	June 2010 (inches)	Old Record	Period of Record
Clarion	17.47	13.11 in Jun. 1967	66 years
Indianola	16.86	15.26 in Jun. 1947	123 years
Keokuk	16.22	14.27 in May 1995	139 years
Guthrie Center	15.27	14.16 in May 1903	113 years
Hampton	15.20	14.15 in Sep. 1965	117 years
Knoxville	14.98	14.32 in Sep. 1914	118 years
Pella	14.71	13.95 in Aug. 2007	86 years
Logan	14.30	14.09 in Jun. 1890	144 years
Ankeny	14.24	12.87 in Aug. 1993	60 years
Montezuma	13.63	11.83 in Aug. 1993	66 years
Cherokee	13.11	12.90 in Sep. 1926	91 years
Little Sioux	12.83	11.69 in Aug. 2007	53 years

The least rain reported in the state was 5.44 inches at Sidney, but even this amount was 1.22 inches above normal. Unofficial totals were as high as 20.81 inches near Rowan in Wright County where an amazing total of 3.99 inches fell in one hour on the night of June 22.

Severe Weather. The year's first tornado touched down in O'Brien County on the afternoon of June 1<sup>st</sup>. This represented Iowa's latest start to the tornado season since 1978. However, it didn't take long to make up for the slow start as an EF-2 tornado resulted in several million dollars in damage in Ringgold County later on the 1<sup>st</sup>. The National Weather Service confirmed a total of 27 tornadoes in Iowa during June. The strongest of these storms passed near Sibley on the night of the 22<sup>nd</sup> resulting in at least ten injuries. This storm, rated at EF-4, was the strongest to affect Iowa since the Parkersburg tornado of May 2008. Fortunately it did not strike any towns.

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