

IOWA MONTHLY WEATHER SUMMARY – JUNE 2007

General Summary. Temperatures averaged 70.6° or 0.8° above normal while precipitation totaled 3.49 inches or 1.15 inches less than normal. This ranks as the 48th warmest and 34th driest June among 135 years of records.

Temperatures. Above normal temperatures were the rule at mid month with warmer than usual weather prevailing from the 10th through the 18th. Otherwise temperatures fluctuated frequently with no other periods of consecutive warmer or cooler than normal temperatures exceeding three days. Sioux City and Le Mars reached 91° on the 6th, ending a mild period that saw no 90° readings in the state since May 14. Elkader was the cold spot during June with a morning low temperature of 41° on the 9th. On the other extreme, Dubuque Lock & Dam reached 96° on the afternoon of the 15th. Temperatures climbed into the low 90's in many areas late in the month on the 25th and 26th. However, the month ended with very pleasant weather on the 28th, 29th and 30th when high temperatures were mostly in the 70's.

Degree Day Totals. Home air conditioning requirements, as estimated by cooling degree day totals, averaged 2% more than last June and the same as normal. Thus far this air conditioning season, degree day totals are running 6% greater than last year and 13% greater than normal. The 2006-2007 heating season ended with heating requirements averaging 6% less than normal but 7% more than in the 2005-2006 season.

Precipitation. The recent pattern of heavy precipitation in western Iowa and light in the east reversed during June. Precipitation totals were less than one-half of normal across much of western Iowa while very heavy rains flooded parts of east central and southeast Iowa. Monthly precipitation totals varied from only 0.35 inches at Sioux Rapids to 9.87 inches at Marengo. Marengo's total was swelled by a 7.16 inch deluge on the 22nd. Record low June totals were set at four cities:

Station	June 2007	Old June Record	Period of Record
Cherokee	0.57 inches	0.90 inches in 1933	88 years
Ida Grove	0.41 inches	0.43 inches in 2006	77 years
Primghar	1.16 inches	1.60 inches in 2004	76 years
Sioux Rapids	0.35 inches	0.80 inches in 1987	65 years

Despite the turn to much drier weather in the west, and earlier dryness in the east, only a few areas in the northwest and northeast corners of Iowa have recorded less precipitation than normal for the first one-half of the year.

Severe Weather. Occurrences of severe weather were much less frequent than normal across Iowa for the third consecutive month during June. Nevertheless, there was a brief flurry of activity on the 21st and 22nd. Severe weather was reported from 41 counties during the afternoon and evening of the 21st, the most widespread event so far in 2007.

The next evening severe weather returned to 12 counties with damaging tornadoes in northwest Warren County.

Harry J. Hillaker, State Climatologist
Iowa Dept. of Agriculture & Land Stewardship
Wallace State Office Bldg.
Des Moines, IA 50319
Phone: (515) 281-8981
E-mail: Harry.Hillaker@idals.state.ia.us