



## IOWA MONTHLY WEATHER SUMMARY – NOVEMBER 2014

General Summary. Iowa temperatures averaged 29.1° or 7.5° below normal while precipitation averaged 0.82 inches or 1.23 inches below normal. This ranks as the 4<sup>th</sup> coldest and 33<sup>rd</sup> driest November among 142 years of records. A colder November was last recorded in 1991 and a drier one in 2007.

Temperatures. Unseasonably cold weather was persistent during the month with below normal temperatures prevailing for 21 days in November. Temperatures failed to climb above freezing anywhere in the state between 9 a.m. November 11 and 1 a.m. November 19. At Des Moines a streak of 252 consecutive hours below freezing began at midnight on the night of the 10<sup>th</sup>. This streak was 48 hours longer than recorded in any other November among 137 years of records. The season's first subzero temperature was recorded at Little Sioux with a -2° reading on the morning of the 14<sup>th</sup>. There were another six days in the month with temperatures falling to zero or below. Swea City reported the lowest temperature with a -16° reading on the morning of the 27<sup>th</sup>. However, despite the prevalence of unusually cold weather there were some brief, but sizable, warm spells. Keosauqua reported the highest temperature of the month with a 72° maximum on the 10<sup>th</sup> where temperatures fell fifty degrees by the next morning. A late month warm spell on the 29<sup>th</sup> pushed temperatures up to 66° at Glenwood, Lamoni and Castana and melted most of the state's snow cover.

Heating Degree Day Totals. Home heating requirements, as estimated by heating degree day totals, averaged 25% greater than normal and 14% greater than last November. Heating degree day totals so far this heating season (since July 1) are running 13% greater than normal and 10% greater than last year at this time.

Precipitation. The relatively dry weather pattern that began in mid-October continued through November. November's monthly precipitation totals varied from only 0.17 inches at Battle Creek (Ida County) to 2.43 inches at Brighton (Washington County). Brighton was the only location in Iowa to report above normal precipitation during the month. The season's first accumulating snow arrived on the night of the 10<sup>th</sup> and brought one-half to two inches of snow to the northwest one-half of the state. The month's largest snow event brought snow statewide on the 15<sup>th</sup>-16<sup>th</sup> with amounts up to 5.5 inches at Ringsted (Emmet County). The month's largest precipitation event began with rain statewide on the 23<sup>rd</sup> and transitioned to snow across the east by late that night. Northwest Iowa received only very light precipitation while several locations in Clinton County picked up more than 1.7 inches of rain. Finally, snow fell over much of Iowa on the 26<sup>th</sup> with 6.0 inches reported at Emmetsburg, Britt and Rose Hill while Brighton recorded 6.8 inches. Monthly snow totals varied from one inch at Keokuk and Shenandoah to 11.4 inches at Emmetsburg. The statewide average snowfall was 5.0 inches or 2.3 inches above normal. This was the snowiest November since 1991 and ranks 21<sup>st</sup> most snow among the past 128 Novembers.

Fall Summary. Temperatures over the three autumn months of September, October and November averaged 47.4° or 2.8° below normal while precipitation totaled 8.39 inches or 0.36 inches above normal. This ranks as the 12<sup>th</sup> coldest and 49<sup>th</sup> wettest fall among 142 years of records. This was the coolest fall since 1993 although this was nearly all a result of the unseasonably cold November. This was also the wettest fall in five years with the first half of the season much wetter than the second half.

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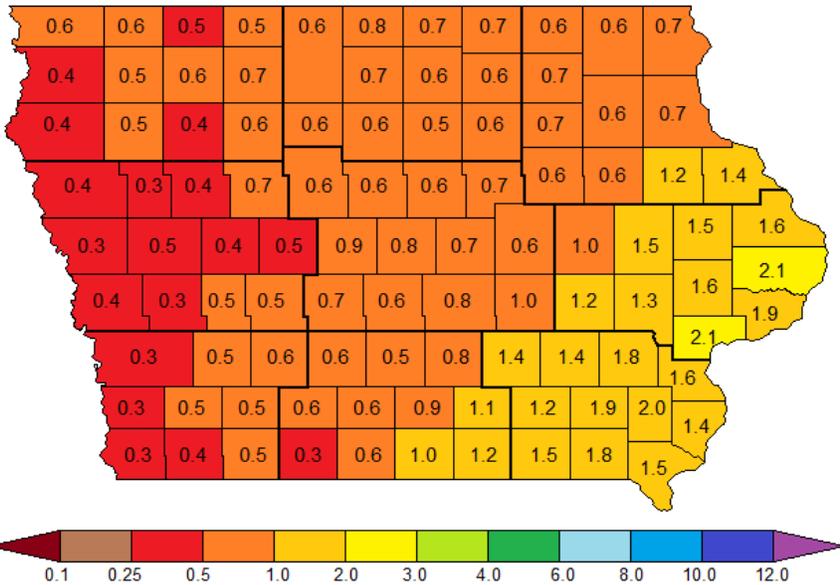
# November 2014

## WEATHER BY DISTRICTS

DISTRICT	TEMPERATURE (F)		HEATING DEGREE DAYS				PRECIPITATION (inches)				SNOWFALL Nov 2014 Average
	November 2014		November 2014		Since Jul., 1, 2014		November 2014		Since Jan.1, 2014		
	Average	Departure*	Average	Departure*	Average	Departure*	Average	Departure*	Average	Departure*	
Northwest	26.4	-7.2	1150	+209	1775	+142	0.47	-1.06	30.46	+0.97	6.4
North Central	25.8	-8.0	1170	+234	1837	+198	0.65	-1.20	36.29	+3.24	7.6
Northeast	27.5	-8.0	1117	+232	1807	+257	0.83	-1.45	35.62	+0.85	4.1
West Central	29.1	-6.7	1069	+192	1629	+140	0.40	-1.23	41.15	+9.27	4.8
Central	29.1	-7.4	1071	+216	1655	+196	0.75	-1.39	41.26	+6.23	6.1
East Central	30.3	-7.9	1036	+233	1615	+254	1.58	-0.83	38.49	+3.56	3.8
Southwest	31.6	-6.8	995	+196	1466	+149	0.41	-1.53	40.30	+5.90	2.5
South Central	31.5	-7.2	999	+210	1502	+181	0.77	-1.49	43.73	+7.39	4.2
Southeast	32.4	-7.8	971	+228	1465	+251	1.69	-0.88	40.38	+3.55	4.6
STATE	29.1	-7.5	1069	+216	1649	+194	0.82	-1.23	38.51	+4.58	5.0

\* 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  
 COUNTY PRECIPITATION AVERAGES, NOVEMBER 2014 (inches)



State Climatologist, Iowa Dept. of Agriculture & Land Stewardship  
 COUNTY SNOWFALL ESTIMATES, NOVEMBER 2014 (inches)

