



IOWA MONTHLY WEATHER SUMMARY – NOVEMBER 2024

General Summary: Temperatures averaged 40.8 degrees or 3.9 degrees above normal while precipitation totaled 3.23 inches or 1.41 inches above normal. November 2024 ties 1904, 1914, 1964, 1981 and 1998 as the 22nd warmest in 152 years of statewide records; it was also the 14th wettest on record. A warmer November occurred in 2020 while 2015 was wetter and the 7th wettest.

Temperatures: All of Iowa's National Weather Service (NWS) stations reported above-normal temperatures for the month. Overall monthly average temperatures were warmest in eastern Iowa with some stations registering positive departures approaching six degrees. November's statewide average maximum temperature was 49.2 degrees, 2.8 degrees above normal while the average minimum temperature was 32.3 degrees, 4.9 degrees above normal. Columbus Junction (Louisa County) and Donnellson (Lee County) reported the month's high temperature of 71 degrees on the 4th, on average 16 degrees above normal. Primghar (O'Brien County) reported the month's low temperature of 0 degrees on the 30th, 21 degrees below normal.

Heating Degree Day Totals: Home heating requirements, as estimated by heating degree day totals, averaged 8% less than last November and 15% less than normal. Thus far this heating season, heating degree day totals are running 11% less than last year at this time and 24% less than normal.

Precipitation: November was the only fall month and the first month since June in which the state received above-average precipitation. Most stations reported at least an inch above normal with pockets of 2.00-4.00" positive departures in western and northeast Iowa.

Monthly precipitation totals ranged from 1.53 inches at Swea City (Kossuth County) to 6.00 inches in Schleswig (Crawford County). The statewide average snowfall was 0.1 inch, 2.6 inch below average. Sioux City (Woodbury County) reported the highest monthly snowfall at 1.2 inches.

Fall Summary: Temperatures over the three autumn months (September-October-November) averaged 54.8 degrees or 4.3 degrees above normal while precipitation totaled 5.62 inches, 2.37 inches below normal. Fall 2024 ties 1953 as the 5th warmest fall among the period of record; it also tied 1949 as the 35th driest fall on record. Fall 2016 was warmer (3rd warmest) while 2022 was drier.

US Drought Monitor: The US Drought Monitor (USDM) showed improvement in conditions across northwest and northeast Iowa. The remainder of the state showed "status quo" conditions. As of the first week of December, 93% of Iowa is in drought or abnormal dryness. The area designated as D0 (Abnormally Dry) is at 33%, up from 30% one month ago. The area designated as D1 (Moderate Drought) is at 50%, down from 59% one month ago. The area designated as D2 (Severe Drought) stands at 1% of Iowa, down from 13% last month.

Justin Glisan, Ph.D.
State Climatologist of Iowa
Iowa Dept. of Agriculture & Land Stewardship
Wallace State Office Bldg.
Des Moines, IA 50319
Telephone: (515) 281-8981
E-mail: Justin.Glisan@IowaAgriculture.gov

November 2024

WEATHER BY DISTRICTS

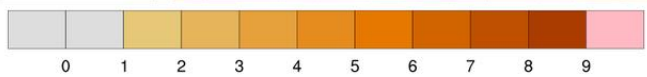
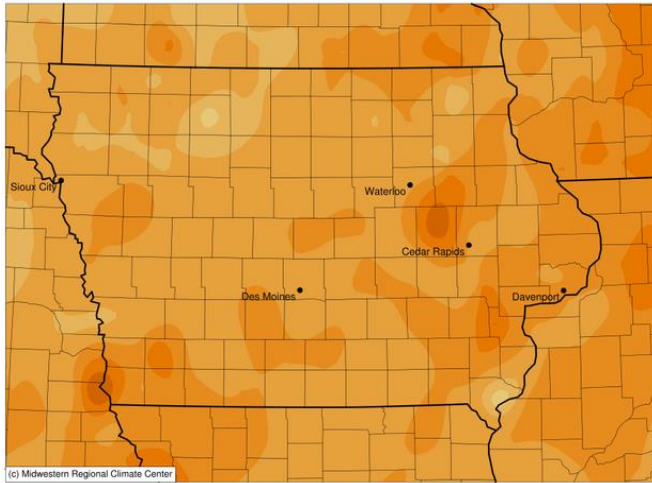
DISTRICT	TEMPERATURE (F)		HEATING DEGREE DAYS				PRECIPITATION (inches)				SNOWFALL Nov 2024 Average
	November 2024 Average Departure		November 2024 Average Departure		Since Jul. 1, 2024 Average Departure		November 2024 Average Departure		Since Jan. 1, 2024 Average Departure		
Northwest	37.7	3.4	819	-101	1230	-368	3.09	+1.69	35.44	+5.69	0.1
North Central	38.2	3.6	804	-107	1229	-369	3.00	+1.35	38.37	+4.42	0.1
Northeast	39.5	4.1	765	-125	1216	-355	4.07	+2.03	38.27	+1.80	0.2
West Central	40.3	3.7	741	-111	1092	-354	3.66	+2.18	30.76	-1.20	0.1
Central	41.0	3.9	720	-118	1078	-345	3.09	+1.24	35.66	+0.97	0.0
East Central	42.4	4.5	678	-136	1052	-318	2.97	+0.79	37.22	+1.36	0.1
Southwest	43.0	4.2	660	-127	975	-332	3.40	+1.71	32.05	-2.15	0.0
South Central	43.4	4.1	648	-124	969	-322	3.06	+1.06	35.41	-0.26	0.0
Southeast	43.3	3.6	651	-107	991	-255	2.53	+0.30	36.82	+0.63	0.0
STATE	40.8	3.9	715	-121	1088	-334	3.23	+1.41	35.57	+1.37	0.1

* Departures are computed from 1991-2020 normals.

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

Average Temperature (°F): Departure from 1991-2020 Normals

November 01, 2024 to November 30, 2024



Accumulated Precipitation (in)

November 01, 2024 to November 30, 2024

