



North Dakota

Monthly Climate Summary

August 2011

Precipitation:

Percent of normal precipitation ranged from approximately 25% to 300% (Figure 1. High Plains Regional Climate Center). Below normal precipitation fell in the northern half with above normal precipitation falling in the southern region. The High Plains Regional Climate Center (HPCC) August rainfall totals ranged from approximately 0.50 inches to 6.00 inches. Scattered showers fell throughout the month. Multiple hail and high wind events were reported by the storm prediction center (SPC) on the 5th, 12th, 15th, 22nd, 27th, and the 31st. The SPC reported one tornado on the 12th in Stutsman County. Favorable weather in August assisted harvest progress.

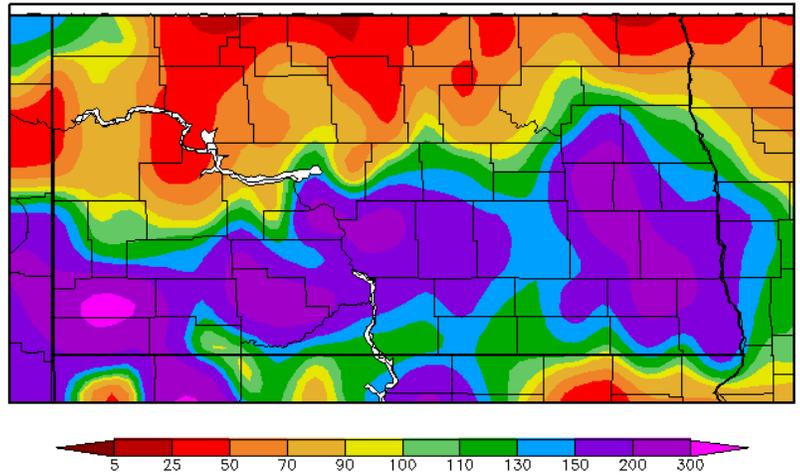


Figure 1. Precipitation Percent of Normal in August 2011 for North Dakota (High Plains Regional Climate Center)

Temperature:

NDAWN August average air temperatures ranged from 66 °F to 71 °F. NDAWN departure from normal temperatures ranged from -1 °F to 4 °F (Figure 2. North Dakota State Climate Office). Most areas had above normal daily average temperatures from the 1st through the 5th. From the 6th through the 21st most days had average air temperatures below normal with some near normal. The 22nd and 23rd had a spike in air temperature with above normal average temperatures across the state. The remainder of the month had most places with above normal average air temperatures. By the end of August, Corn Growing Degree Days (GDD) ranged from 1960 in the SE to 1660 in the NW of North Dakota, based on May 24th planting. Generally, corn is 300 GDD less than the required GDD to reach maturity. Under normal conditions, the additional 300 GDD can be attained on October 12th in the NW and on October 1st in the SE of North Dakota.

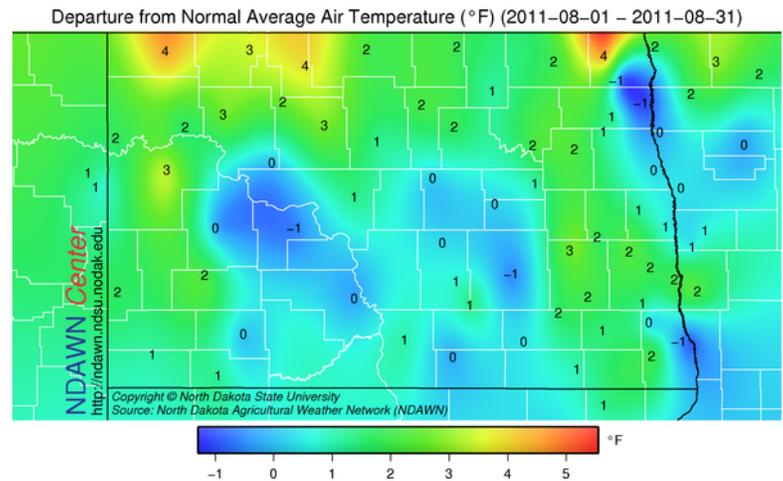


Figure 2. Temperature Departure from Normal in August 2011 for North Dakota (North Dakota State Climate Office)