



North Dakota

Monthly Climate Summary

August 2009

Precipitation:

In general, August was a cool, dry and uneventful month. In North Dakota, the majority of the rain fell from the 6th through the 9th, the 14th through the 16th, the 19th to the 20th, and finally on the 24th. The North Dakota Agricultural Weather Network (NDAWN) total August rainfall ranged from 4.93 inches at Perley MN to 0.26 inches at Hazen. The majority of the State had below normal precipitation with the central region receiving less than 50% of normal. The driest regions had less than 25% of normal precipitation and included parts of McLean, Oliver, Morton, Burleigh, and Sheridan Counties (Figure 1. High Plains Regional Climate Center). The areas of the State that received above normal precipitation included the northwest and southeast corners with primarily 130 to 200% of normal.

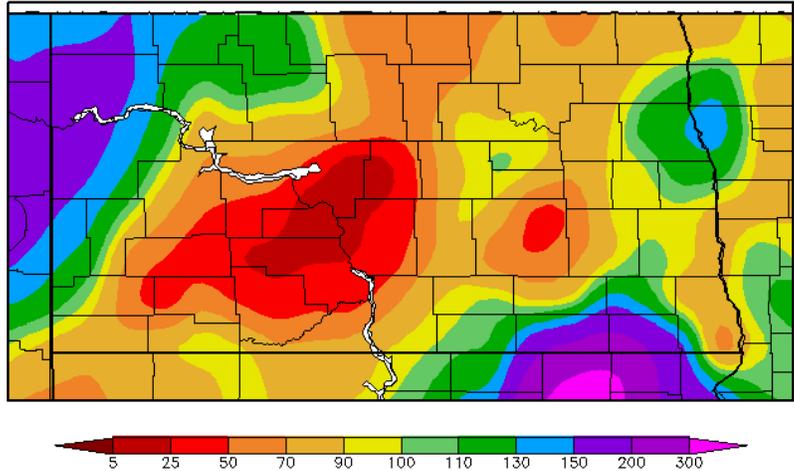


Figure 1. Precipitation Percent of Normal in August 2009 for North Dakota (High Plains Regional Climate Center)

Temperature:

Throughout the month of August, most of the daily average air temperatures were below normal or near normal. The daily average air temperatures were above normal around the 11th through the 14th. Below normal monthly average air temperatures continued across the State. Other than January 2009, when the southwest corner had above normal monthly average air temperatures, the last time there was State wide above normal air temperatures was November 2008. In 2009, February through August had below normal monthly air temperatures across the State. The August departures generally ranged from 1°F to 4°F below normal. The northeast corner of the state had between 1 and 2°F below normal. The northwest, central, and southeast were 2 to 3°F below normal. The southwest was 3 to 4°F below normal (Figure 2. North Dakota State Climate Office). The average air temperatures ranged from 62°F in the north and 67°F in the southern part of the State.

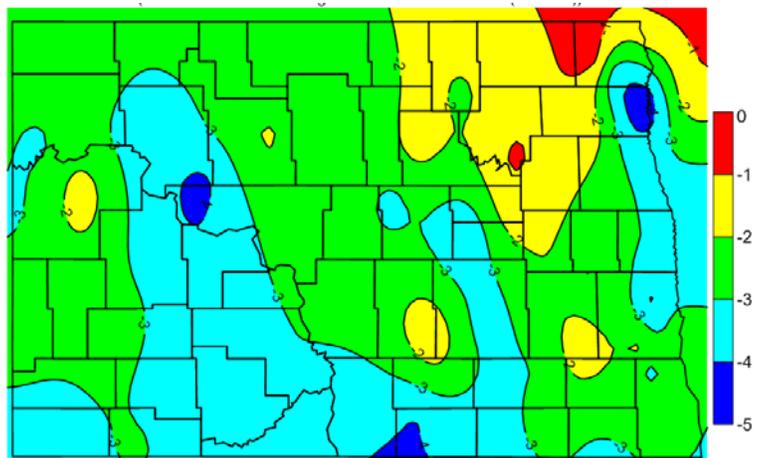


Figure 2. Temperature Departure from Normal in August 2009 for North Dakota (North Dakota State Climate Office)