



# North Dakota Monthly Climate Summary

August 2013

## Precipitation:

The North Dakota Agricultural Weather Network recorded precipitation totals of below normal in the eastern half of the state and parts of the north central regions (Figure 1). The first six days of August had scattered showers with the more widely spread rainfall on the 6<sup>th</sup>. The National Weather Service reported record rainfall at Dickinson and Minot on the 6<sup>th</sup> with 0.64 inches and 0.83 inches respectively along with two tornadoes spotted in Richland County. A long dry spell followed during which most of the rainfall was in the west. On the 29<sup>th</sup> a wide spread rain event covered most of the northern half, central, and eastern parts of the state. Scattered showers continued on the 30<sup>th</sup> in the central region and 31<sup>st</sup> primarily in the northeast. The National Weather Service storm report recorded a tornado in Morton County on the 30<sup>th</sup> and in Pembina County on the 31<sup>st</sup>. Over the summer, drought conditions gradually worsened for the eastern part of the state. The US Drought Monitor at the end of June reported no drought conditions for 99.68% of the state. Abnormally dry (D0) conditions began to develop for 20.15% of the state at the end of July with Stutsman County increased to moderate (D1) conditions. The US Drought Monitor August 27<sup>th</sup> report has 44.35% of the state, the western half, with no drought or dry conditions. The northeast was reported as Abnormally Dry (D0) and the southeast was reported with Moderate (D1) drought conditions that surrounded Stutsman County whose drought condition was elevated to Severe (D2).

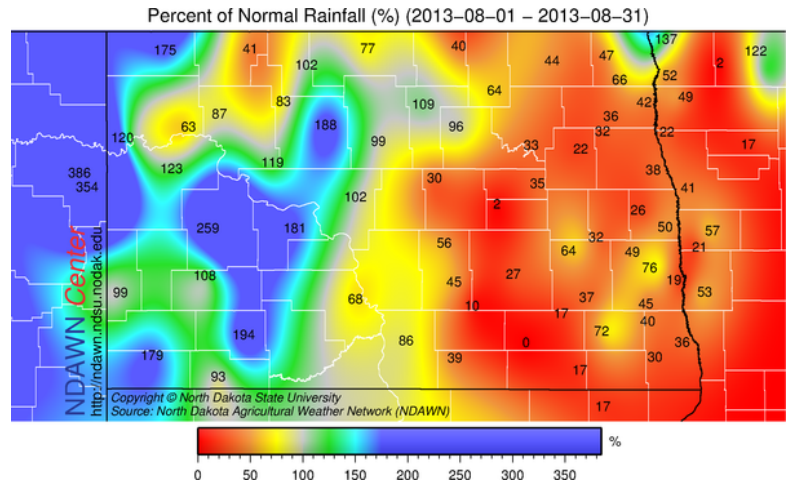


Figure 1. Precipitation Percent of Normal in August 2013 for North Dakota (North Dakota Agricultural Weather Network, NDAWN)

## Temperature:

NDAWN August average air temperatures ranged from ~66 °F in the north to ~72 °F in the south. Departure from normal average air temperatures ranged from 3 °F to -2 °F (Figure 2). Daily average air temperatures can be summarized as the first half being below normal and the second half above normal. The average air temperature of the first half of the month were 4 to 10 °F below normal with the second half being 5 to 9 °F above normal.

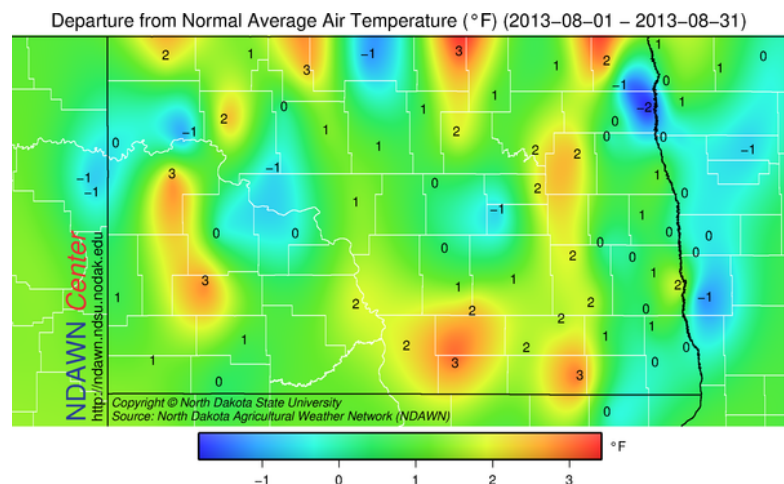


Figure 2. Temperature Departure from Normal in August 2013 for North Dakota (North Dakota Agricultural Weather Network, NDAWN)