



# North Dakota

## Monthly Climate Summary

October 2009

### Precipitation:

October monthly precipitation was above normal across the state with no reported drought conditions. The southeast had the highest monthly total with 200% to 300% above normal. The northern and western parts of the state had 100% to 200% of normal precipitation (Figure 1. North Dakota State Climate Office). Rain fell frequently during October with the highest amounts falling on the 1<sup>st</sup>. The weekly wet conditions hampered harvest throughout the month. The quality of crops suffered under the continuing wet conditions. The second week of October had rain turn to snow across most areas of the state with the highest snow accumulations in the east and southeast. The North Dakota Agricultural Weather Network (NDAWN) total October rainfall ranged from 5.91 inches at Wahpeton to 0.67 inches at Roseau, MN.

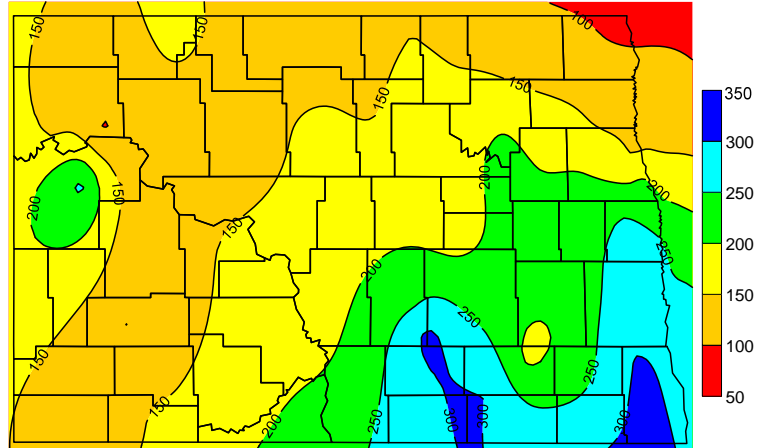


Figure 1. Precipitation Percent of Normal in October 2009 for North Dakota (North Dakota State Climate Office)

### Temperature:

The monthly departure from normal air temperatures were below normal across the state with a range of 3°F below normal in the northeast and gradually falling to 9°F below normal in the southwest (Figure 2. North Dakota State Climate Office). Monthly average temperatures ranged from 41°F to 35°F. The first half of October was cold with far below normal daily average temperatures. A killing frost occurred in the second week of October. Record low maximum temperatures were set at Bismarck on the 9<sup>th</sup> with 32°F and at Fargo on the 10<sup>th</sup> with 35°F. The second half of October continued to be cool with average temperatures at or below normal.

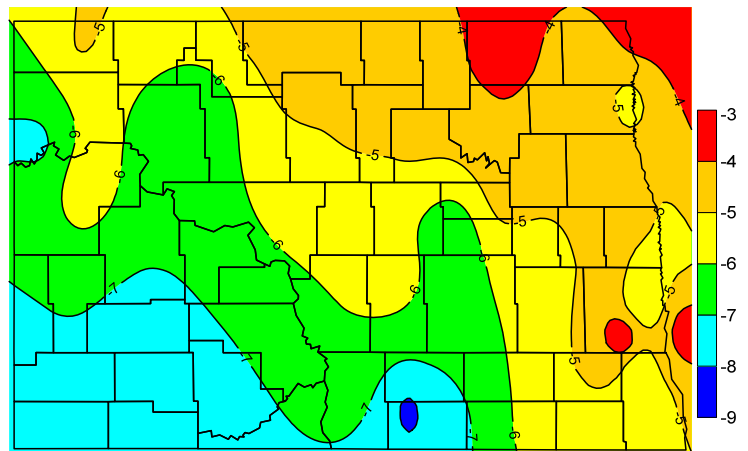


Figure 2. Temperature Departure from Normal in October 2009 for North Dakota (North Dakota State Climate Office)