



North Dakota

Monthly Climate Summary

February 2010

Precipitation:

Most of the February total precipitation ranged from 0.05 to 1.00 inches. The total monthly precipitation of less than 0.50 inches was recorded in the western part of the state, the northeast corner, and a small area in the south central regions. The remaining regions had between 0.50 and 1 inches of monthly precipitation. The percent of normal precipitation ranged from 25% to 300% of normal. Below normal precipitation was recorded in the west, the northeast corner, and a small area in the south central region with above normal precipitation falling elsewhere (Figure 1.

High Plains Regional Climate Center). Most of the precipitation fell in the first half of the month with the second half of the month being quiet and dry. A storm event from the 5th through the 8th affected the central and eastern parts of the state. Snow totals ranged from 3 inches in the central regions to nearly 8 inches in the east. A snowfall event on the 13th covered an area from the north central to the southwest corner and produced totals ranging from 2 to 12 inches. The National Weather Service (NWS) reported a record 0.11 inches of precipitation at Grand Forks airport on the 6th which broke the previous record of 0.07 inches set in 1988. The NWS also reported a record 0.16 inches of precipitation at the Jamestown airport on the 13th which tied the previous record set in 1962.

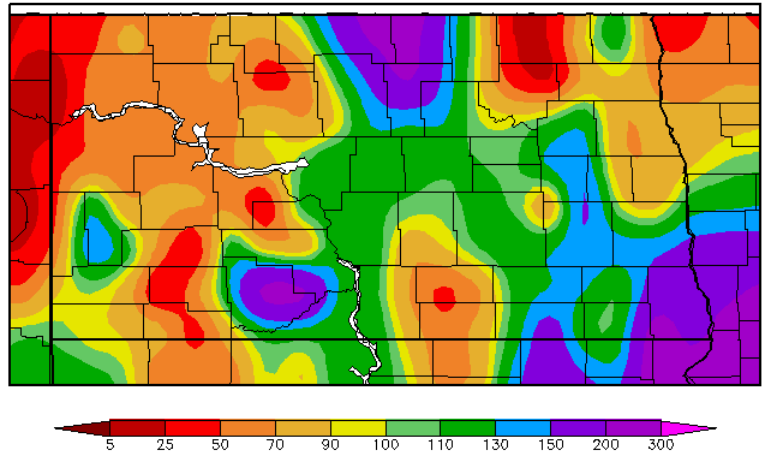


Figure 1. Precipitation Percent of Normal in February 2010 for North Dakota (High Plains Regional Climate Center)

Temperature:

February average monthly temperatures ranged from 6°F in the north and northeast and gradually raising to 13°F in the southwest. February average temperatures were below normal across the state. The monthly departure from normal temperatures ranged from -1°F in the northeast corner and fell gradually to -10°F in the southwest corner (Figure 2. North Dakota State Climate Office). Outside of a couple of days in the first week with above normal daily air temperatures, the majority of the month had below normal average daily air temperatures.

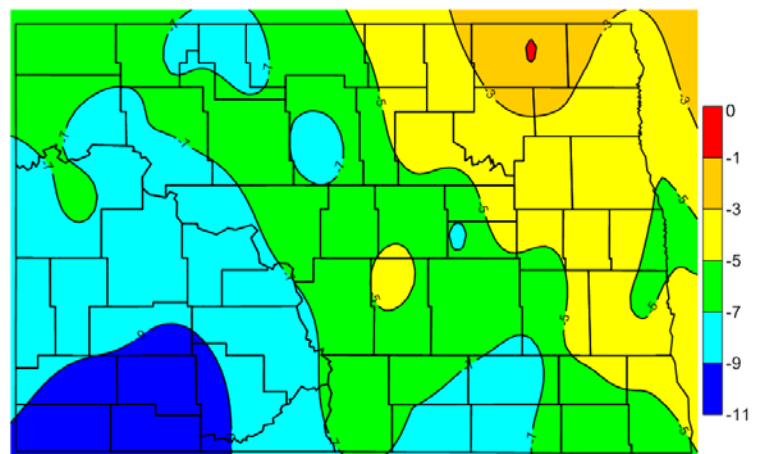


Figure 2. Temperature Departure from Normal in February 2010 for North Dakota (North Dakota State Climate Office)