

# South Dakota Weekly Crop Weather Report



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Cooperating with:  
SOUTH DAKOTA STATE UNIVERSITY  
AGRICULTURAL EXTENSION SERVICE and  
U.S. DEPARTMENT OF AGRICULTURE  
FARM SERVICE AGENCY

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For Week Ending November 23, 2008  
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## AGRICULTURAL SUMMARY

The row crop harvest progressed this past week in South Dakota, but still remains well behind schedule. There were 4.9 days suitable for fieldwork in the past week. Farm activities focused on the harvest of row crops, preparing livestock for the winter season, moving hay, and repairing and winterizing equipment.

This report is based on information from county extension educators, Farm Service Agency county directors, and other reporters across the state.

## WEATHER INFORMATION

Locations East River and some locations West River saw temperatures drop to the lowest this fall, according to the State Climate Office of South Dakota. Overnight low temperature dipped between 1° and 5° F near the eastern border, with Aberdeen and Clear Lake dropping to 1° F on Friday, November 21. The eastern part of the state received 1 to 2 inches of snow causing average temperatures to drop 1° to 4° F below normal. Locations West River enjoyed above-normal average temperatures last week. Porcupine and Spearfish were 7° and 10° F above normal, respectively. West River high temperatures in the 60s and 70s in the early part of last week gave way to low temperatures in the teens in the later half of the week.

Most parts of the state received some precipitation. Some portions of central South Dakota received between 0.2 and 0.5 inch of precipitation. Faith, Kennebec, Murdo, Dupree and Chamberlain reported between 0.34 and 0.48 inch of precipitation, respectively.

## SOIL CONDITION

Four-inch depth soil temperatures across the state were in the 30s dropping 2 to 4° F since last week. The highest recorded soil temperatures were in Pierre and Oacoma, at 38° F. The lowest recorded soil temperature was in Aberdeen, at 32° F. Topsoil moisture ratings remained stable last week, now estimated at 95 percent adequate to surplus. Subsoil moisture is now rated 86 percent in the adequate to surplus categories, down 4 percentage points from last week.

## FIELD CROPS REPORT

Corn harvested advanced 16 percentage points in the past week, now estimated at 75 percent harvested. This year's corn harvest still remains delayed at 22 percentage points behind the five-year average. Sorghum harvested advanced 17 percentage points, now estimated at 91 percent complete. The sunflower harvest is 71 percent complete, 26 percentage points behind the five-year average. High grain moisture and muddy conditions are still the biggest obstacles to completing the row crop harvest. In most areas of the state, muddy conditions or near-frozen ground has brought an end to fall tillage work.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Feed supplies remained very strong in the state, this week rated at 95 percent adequate to surplus. Stock water supplies also continue to remain excellent, now estimated at 89 percent adequate to surplus. Cattle condition remained the same, now at 84 percent in the good to excellent categories. Sheep conditions decreased to 80 percent in the good to excellent categories. Normal winter preparation of livestock has been able to continue in South Dakota.

## Feed and Water Supplies Comparison as of November 23, 2008

| Rating     | Feed Supplies  |                |                | Stock Water Supplies |                |                |
|------------|----------------|----------------|----------------|----------------------|----------------|----------------|
|            | This Week      | Last Year      | 5 Yr. Avg.     | This Week            | Last Year      | 5 Yr. Avg.     |
|            | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i>       | <i>Percent</i> | <i>Percent</i> |
| Very Short | 0              | 1              | NA             | 1                    | 12             | NA             |
| Short      | 5              | 7              | NA             | 10                   | 14             | NA             |
| Adequate   | 81             | 83             | NA             | 75                   | 67             | NA             |
| Surplus    | 14             | 9              | NA             | 14                   | 7              | NA             |

## Soil Moisture Condition Comparison as of November 23, 2008

| Rating     | Topsoil        |                |                | Subsoil        |                |                |
|------------|----------------|----------------|----------------|----------------|----------------|----------------|
|            | This Week      | Last Week      | Last Year      | This Week      | Last Week      | Last Year      |
|            | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| Very Short | 1              | 1              | 6              | 1              | 1              | 10             |
| Short      | 4              | 2              | 16             | 13             | 9              | 16             |
| Adequate   | 73             | 72             | 71             | 66             | 71             | 68             |
| Surplus    | 22             | 25             | 7              | 20             | 19             | 6              |

## Crop and Livestock Conditions as of November 23, 2008

| Item         | V Poor         | Poor           | Fair           | Good           | Excel          |
|--------------|----------------|----------------|----------------|----------------|----------------|
|              | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| Winter Wheat | 0              | 1              | 32             | 57             | 10             |
| Cattle       | 1              | 2              | 13             | 67             | 17             |
| Sheep        | 1              | 5              | 14             | 64             | 16             |

## Crop Progress as of November 23, 2008 <sup>1</sup>

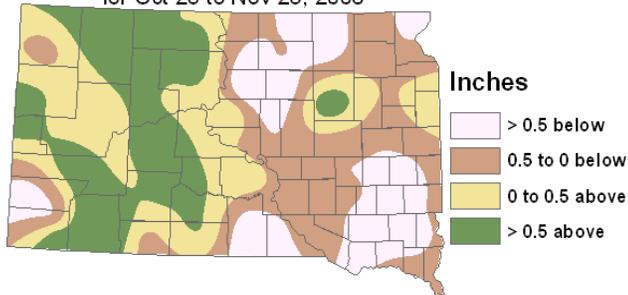
| Item             | This Week      | Last Week      | Last Year      | 5-Yr Avg.      |
|------------------|----------------|----------------|----------------|----------------|
|                  | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| <b>Corn</b>      |                |                |                |                |
| Grain Harvested  | 75             | 59             | 98             | 97             |
| <b>Sorghum</b>   |                |                |                |                |
| Grain Harvested  | 91             | 74             | 100            | 99             |
| <b>Sunflower</b> |                |                |                |                |
| Harvested        | 71             | 61             | 95             | 97             |

<sup>1</sup> Percents represent all acreage in or beyond each stage.

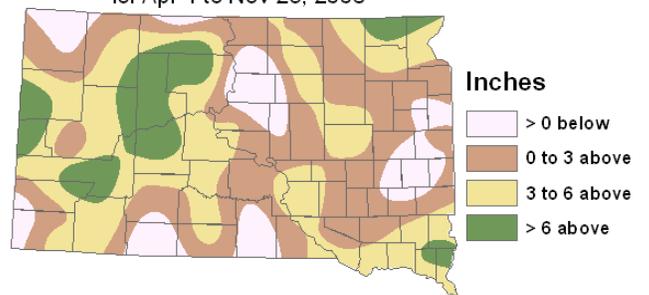
## Average Soil Temperatures Week Ending November 23, 2008 (4-inch Depth)

| Location   | Temp | Location    | Temp |
|------------|------|-------------|------|
| Aberdeen   | 32   | Nisland     | 37   |
| Beresford  | 36   | Oacoma      | 38   |
| Bowdle     | 35   | Parkston    | 36   |
| Brookings  | 34   | Pierre      | 38   |
| Caputa     | 37   | South Shore | 34   |
| Cottonwood | 36   |             |      |

**PAST 30 DAYS**  
Accumulated Precip Deviation from Average  
for Oct 25 to Nov 23, 2008



**GROWING SEASON**  
Accumulated Precip Deviation from Average  
for Apr 1 to Nov 23, 2008



**TEMPERATURE and PRECIPITATION**  
Week Ending Sunday, November 23, 2008

| District and Station | Temperatures Past Week |                       |                |               | Precipitation |               |               |                       |               |  |
|----------------------|------------------------|-----------------------|----------------|---------------|---------------|---------------|---------------|-----------------------|---------------|--|
|                      | Average                | Departure from Normal | High           | Low           | Total         |               |               | Departure from Normal |               |  |
|                      |                        |                       |                |               | Current Week  | Since Oct. 1  | Since Apr. 1  | Since Oct. 1          | Since Apr. 1  |  |
| <i>Degrees</i>       | <i>Degrees</i>         | <i>Degrees</i>        | <i>Degrees</i> | <i>Inches</i> | <i>Inches</i> | <i>Inches</i> | <i>Inches</i> | <i>Inches</i>         | <i>Inches</i> |  |
| <b>Northwest</b>     |                        |                       |                |               |               |               |               |                       |               |  |
| Bison                | 31                     | 2                     | 64             | 14            | 0.33          | 4.20          | 18.21         | 2.24                  | 3.66          |  |
| Buffalo              | 32                     | 5                     | 69             | 15            | 0.16          | 2.39          | 14.56         | 0.41                  | -0.16         |  |
| Dupree               | 30                     | 2                     | 57             | 15            | 0.40          | 3.10          | 23.37         | 1.07                  | 7.96          |  |
| McIntosh             | 27                     | 0                     | 58             | 8             | 0.11          | 3.66          | 14.05         | 1.81                  | -0.32         |  |
| Newell               | 36                     | 6                     | 74             | 18            | 0.00          | 2.33          | 18.92         | 0.42                  | 5.62          |  |
| Timber Lake          | 29                     | 2                     | 57             | 10            | 0.08          | 4.62          | 27.10         | 2.41                  | 11.25         |  |
| <b>North Central</b> |                        |                       |                |               |               |               |               |                       |               |  |
| Aberdeen             | 25                     | -2                    | 42             | 1             | 0.09          | 4.91          | 19.44         | 2.65                  | 2.02          |  |
| Faulkton             | 26                     | -1                    | 50             | 2             | 0.01          | 2.38          | 20.40         | 0.02                  | 3.19          |  |
| Mobridge             | 31                     | 2                     | 51             | 12            | 0.01          | 3.41          | 17.20         | 1.39                  | 2.49          |  |
| Roscoe               | 24                     | -1                    | 45             | 5             | 0.02          | 2.98          | 21.36         | 0.70                  | 3.77          |  |
| <b>Northeast</b>     |                        |                       |                |               |               |               |               |                       |               |  |
| Britton              | 25                     | -1                    | 37             | 2             | 0.00          | 5.72          | 24.77         | 3.44                  | 6.77          |  |
| Clear Lake           | 23                     | -4                    | 39             | 1             | 0.10          | 5.59          | 21.62         | 2.46                  | -0.17         |  |
| Sisseton             | 25                     | -2                    | 46             | 3             | 0.03          | 6.15          | 23.92         | 3.39                  | 5.39          |  |
| Watertown            | 24                     | -2                    | 39             | 3             | 0.01          | 4.22          | 19.13         | 1.53                  | 0.07          |  |
| Webster              | 24                     | -2                    | 40             | 5             | 0.20          | 4.45          | 22.69         | 2.05                  | 3.67          |  |
| <b>West Central</b>  |                        |                       |                |               |               |               |               |                       |               |  |
| Faith                | 31                     | 1                     | 66             | 15            | 0.34          | 3.15          | 22.18         | 1.07                  | 7.16          |  |
| Milesville           | 33                     | 3                     | 57             | 14            | 0.30          | 2.91          | 25.26         | 0.67                  | 8.34          |  |
| Philip               | 35                     | 5                     | 65             | 16            | 0.11          | 2.92          | 19.57         | 1.05                  | 4.82          |  |
| Rapid City           | 35                     | 4                     | 79             | 15            | 0.01          | 3.10          | 21.28         | 1.19                  | 6.98          |  |
| Spearfish            | 42                     | 10                    | 75             | 18            | 0.03          | 4.95          | 28.53         | 2.03                  | 10.41         |  |
| <b>Central</b>       |                        |                       |                |               |               |               |               |                       |               |  |
| Chamberlain          | 34                     | 4                     | 54             | 11            | 0.48          | 3.77          | 23.81         | 1.27                  | 4.71          |  |
| Highmore             | 29                     | 1                     | 50             | 9             | 0.12          | 1.79          | 18.23         | -0.64                 | -0.19         |  |
| Huron                | 27                     | -1                    | 47             | 9             | 0.28          | 5.87          | 21.85         | 3.53                  | 4.21          |  |
| Onida                | 31                     | 3                     | 54             | 10            | 0.15          | 3.12          | 17.84         | 0.86                  | 1.32          |  |
| Pierre               | 32                     | 1                     | 54             | 14            | 0.23          | 2.20          | 20.22         | -0.03                 | 3.18          |  |
| <b>East Central</b>  |                        |                       |                |               |               |               |               |                       |               |  |
| Brookings            | 24                     | -4                    | 39             | 3             | 0.05          | 5.76          | 20.40         | 3.13                  | 0.03          |  |
| Forestburg           | 28                     | -2                    | 47             | 4             | 0.20          | 5.62          | 20.26         | 2.89                  | 1.35          |  |
| Madison              | 25                     | -3                    | 40             | 2             | 0.06          | 5.28          | 19.40         | 2.29                  | -2.15         |  |
| Mitchell             | 33                     | 3                     | 52             | 11            | 0.02          | 4.90          | 19.72         | 2.39                  | 0.42          |  |
| Sioux Falls          | 27                     | -2                    | 41             | 5             | 0.08          | 6.59          | 23.84         | 3.54                  | 2.74          |  |
| <b>Southwest</b>     |                        |                       |                |               |               |               |               |                       |               |  |
| Custer               | 34                     | 4                     | 64             | 11            | 0.01          | 1.15          | 20.79         | -0.85                 | 3.35          |  |
| Hot Springs          | 37                     | 5                     | 73             | 9             | 0.07          | 1.12          | 16.37         | -0.60                 | 1.19          |  |
| Oelrichs             | 35                     | 5                     | 76             | 13            | 0.00          | 3.45          | 19.19         | 1.61                  | 4.36          |  |
| Porcupine            | 36                     | 7                     | 75             | 14            | 0.00          | 3.73          | 19.58         | 1.77                  | 4.38          |  |
| <b>South Central</b> |                        |                       |                |               |               |               |               |                       |               |  |
| Kennebec             | 33                     | 3                     | 56             | 13            | 0.35          | 3.55          | 17.95         | 1.53                  | 1.64          |  |
| Mission              | 35                     | 4                     | 68             | 11            | 0.05          | 2.82          | 21.76         | 0.68                  | 4.25          |  |
| Murdo                | 32                     | 2                     | 65             | 13            | 0.35          | 3.21          | 19.92         | 0.95                  | 3.44          |  |
| Winner               | 36                     | 3                     | 63             | 12            | 0.04          | 2.75          | 18.22         | 0.02                  | -1.93         |  |
| <b>Southeast</b>     |                        |                       |                |               |               |               |               |                       |               |  |
| Armour               | 29                     | -3                    | 49             | 8             | 0.30          | 4.92          | 21.59         | 2.27                  | 1.71          |  |
| Centerville          | 27                     | -4                    | 45             | 3             | 0.00          | 6.20          | 27.84         | 3.30                  | 6.43          |  |
| Pickstown            | 33                     | 0                     | 52             | 11            | 0.06          | 5.70          | 23.50         | 3.10                  | 3.38          |  |
| Vermillion           | 30                     | -3                    | 46             | 6             | 0.70          | 7.99          | 27.25         | 4.81                  | 5.33          |  |
| Yankton              | 29                     | -3                    | 48             | 4             | 0.04          | 7.44          | 26.67         | 4.55                  | 5.03          |  |

DATA AND MAPS SOURCE: State Climate Office of South Dakota