

South Dakota Weekly Crop Weather Report



National Agricultural Statistics Service
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Cooperating with:
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AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

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For Week Ending October 31, 2010
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AGRICULTURAL SUMMARY

Harvest continues, as there were 4.2 days suitable for fieldwork in the past week. Precipitation did keep harvesters out of the field for part of the week, but harvest progress continues ahead of average. Major farm activities included harvesting row crops, fall tillage, hauling hay closer to home, and moving livestock to row crop stubble.

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

WEATHER INFORMATION

The major event of the week was a large storm system which produced very strong winds with widespread gusts (50-60+ mph) over the whole state during the week, according to the State Climate Office of South Dakota. The storm also brought precipitation over most of the state with the heaviest amounts in the eastern third. Some areas of the northeast received a few inches of snow, which has since melted. This was the first precipitation that much of the eastern areas had received in October, but still did slow harvest progress.

Much of that eastern area received at least an inch of precipitation (nine stations reported over an inch). The largest total was 2.44 inches at Webster. Precipitation amounts in the west were much lighter. Oelrichs reported no precipitation for the week. Another half dozen stations reported less than 0.1 inch. For the month of October only four stations had above average precipitation. The rest of the state was below average by over an inch in some places.

Average weekly temperatures ranged from the upper 30s to upper 40s F. Most of the northern half of the state was below average by 1-4° F. The southern half ranged from near average to 5° F above average in the southwest. The highest daily temperature was 77° F at Winner; Timber Lake had the lowest temperature at 13° F.

SOIL CONDITION

Soil temperatures were mostly in the 40s F. Oacoma was the only hold-out and the warmest at 51° F; South Shore and Bowdle were the coldest at 41° F. Topsoil moisture rated at 80 percent adequate to surplus for last week, equal to the five-year average, but below last year's rating of 95 percent. Subsoil moisture was rated at 80 percent adequate to surplus, below last year's rating of 85 percent and above the five-year average of 69 percent.

FIELD CROPS REPORT

Eighty-one percent of the corn is harvested for grain, compared to 12 percent last year and 48 percent for the five-year average. Ninety-five percent of the sorghum harvested for grain is complete, compared to 40 percent last year and 68 percent for the five-year average. Sunflowers are 64 percent harvested, which is ahead of the five-year average of 48 percent. Ninety-one percent of the winter wheat has emerged, ahead of the five-year average of 90 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle are rated 89 percent in good to excellent condition, compared to 86 percent for the five-year average. Sheep are rated 90 percent in good to excellent condition, compared to 88 percent last year and 87 percent for the five-year average. Feed supplies remain in good shape and are rated at 98 percent adequate to surplus, up from the five-year average of 87 percent.

Feed and Water Supplies Comparison as of October 31, 2010

| 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 | 4 | 0 | 2 | 11 |
| Short | 2 | 3 | 9 | 5 | 4 | 16 |
| Adequate | 87 | 83 | 78 | 83 | 82 | 65 |
| Surplus | 11 | 13 | 9 | 12 | 12 | 8 |

Soil Moisture Condition Comparison as of October 31, 2010

| 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 | 3 | 6 | 1 | 5 | 4 | 3 |
| Short | 17 | 23 | 4 | 15 | 16 | 12 |
| Adequate | 70 | 67 | 72 | 67 | 69 | 72 |
| Surplus | 10 | 4 | 23 | 13 | 11 | 13 |

Crop and Livestock Conditions as of October 31, 2010

| 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 | 25 | 60 | 14 |
| Cattle | 1 | 1 | 9 | 74 | 15 |
| Sheep | 0 | 0 | 10 | 71 | 19 |
| Range & Pasture | 2 | 7 | 26 | 57 | 8 |

Crop Progress as of October 31, 2010 ¹

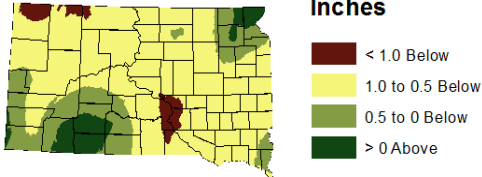
| Item | This Week | Last Week | Last Year | 5-Yr Avg. |
|---------------------|----------------|----------------|----------------|----------------|
| | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| Winter Wheat | | | | |
| Emerged | 91 | 88 | 84 | 90 |
| Corn | | | | |
| Grain Harvested | 81 | 64 | 12 | 48 |
| Sorghum | | | | |
| Grain Harvested | 95 | 90 | 40 | 68 |
| Sunflower | | | | |
| Harvested | 64 | 49 | 13 | 48 |

¹ Percents represent all acreage in or beyond each stage.

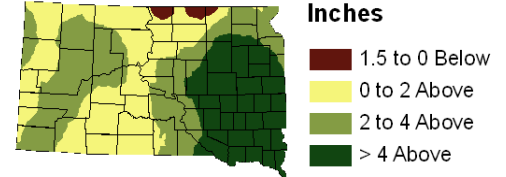
Average Soil Temperatures Week Ending October 31, 2010 (4-inch Depth)

| Location | Temp | Location | Temp |
|------------|------|-------------|------|
| Aberdeen | 42 | Nisland | 44 |
| Beresford | 48 | Oacoma | 51 |
| Bowdle | 41 | Parkston | 49 |
| Brookings | 43 | Pierre | 44 |
| Caputa | 46 | Redfield | 45 |
| Cottonwood | 44 | South Shore | 41 |

PAST 30 DAYS
Accumulated Precip Deviation from Average
From October 1 to October 31, 2010



GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to October 31, 2010



TEMPERATURE and PRECIPITATION
Week Ending Sunday, October 31, 2010

| 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> | |
| Northwest | | | | | | | | | |
| Bison | 40 | -1 | 63 | 21 | 0.12 | 0.75 | 17.68 | -0.77 | 3.44 |
| Buffalo | 42 | 1 | 66 | 23 | 0.04 | 0.33 | 14.02 | -0.98 | 1.20 |
| Dupree | 40 | -1 | 59 | 21 | 0.23 | 0.53 | 22.54 | -1.04 | 7.64 |
| McIntosh | 37 | -4 | 59 | 15 | 0.15 | 0.29 | 15.88 | -1.20 | -1.54 |
| Newell | 43 | 1 | 62 | 21 | 0.28 | 1.02 | 14.25 | -0.46 | 0.80 |
| Timber Lake | 37 | -4 | 55 | 13 | 0.44 | 0.85 | 16.09 | -0.78 | 0.82 |
| North Central | | | | | | | | | |
| Aberdeen | 40 | -1 | 60 | 22 | 0.58 | 1.02 | 22.48 | -0.63 | 5.31 |
| Faulkton | 39 | -2 | 59 | 21 | 0.15 | 0.84 | 18.55 | -0.84 | 2.13 |
| Mobridge | 39 | -3 | 53 | 20 | 0.36 | 0.72 | 12.68 | -0.83 | 0.63 |
| Roscoe | 37 | -3 | 52 | 21 | 0.30 | 1.24 | 18.15 | -0.31 | 1.29 |
| Northeast | | | | | | | | | |
| Britton | 40 | -1 | 60 | 25 | 1.42 | 1.48 | 17.89 | -0.14 | 0.26 |
| Clear Lake | 39 | -1 | 58 | 24 | 1.13 | 1.18 | 25.59 | -0.78 | 5.84 |
| Sisseton | 39 | -2 | 58 | 24 | 1.77 | 2.33 | 20.44 | 0.51 | 2.12 |
| Watertown | 40 | 0 | 58 | 25 | 1.11 | 1.17 | 22.81 | -0.77 | 4.44 |
| Webster | 36 | -3 | 56 | 19 | 2.44 | 4.06 | 23.29 | 2.37 | 4.98 |
| West Central | | | | | | | | | |
| Faith | 41 | -2 | 62 | 22 | 0.15 | 0.67 | 16.62 | -0.90 | 1.91 |
| Milesville | 43 | -1 | 58 | 23 | 0.37 | 0.82 | 19.80 | -0.89 | 3.76 |
| Philip | 46 | 3 | 71 | 23 | 0.10 | 1.04 | 13.93 | -0.29 | -0.34 |
| Rapid City | 47 | 4 | 72 | 23 | 0.04 | 0.32 | 18.33 | -1.06 | 4.50 |
| Spearfish | 48 | 5 | 68 | 28 | 0.25 | 2.16 | 17.30 | 0.08 | 0.02 |
| Central | | | | | | | | | |
| Chamberlain | 46 | 3 | 70 | 24 | 0.29 | 0.37 | 19.52 | -1.40 | 0.98 |
| Highmore | 41 | -1 | 59 | 17 | 0.04 | 0.35 | 21.19 | -1.45 | 4.69 |
| Huron | 43 | 1 | 59 | 24 | 0.84 | 0.86 | 26.05 | -0.75 | 9.10 |
| Onida | 40 | -1 | 57 | 18 | 0.11 | 1.02 | 18.84 | -0.56 | 2.86 |
| Pierre | 43 | -1 | 58 | 22 | 0.49 | 0.98 | 18.72 | -0.68 | 1.99 |
| East Central | | | | | | | | | |
| Brookings | 40 | 0 | 59 | 23 | 1.10 | 1.12 | 35.24 | -0.66 | 15.72 |
| Forestburg | 42 | -1 | 62 | 24 | 0.42 | 0.50 | 27.14 | -1.24 | 9.21 |
| Madison | 43 | 2 | 58 | 26 | 0.93 | 1.06 | 33.00 | -0.87 | 12.51 |
| Mitchell | 43 | 0 | 67 | 23 | 1.23 | 1.23 | 27.94 | -0.32 | 9.26 |
| Sioux Falls | 45 | 2 | 64 | 24 | 0.89 | 0.91 | 32.93 | -1.04 | 12.88 |
| Southwest | | | | | | | | | |
| Custer | 40 | -1 | 60 | 23 | 0.18 | 1.10 | 16.00 | -0.38 | -1.08 |
| Hot Springs | 47 | 4 | 71 | 23 | 0.02 | 0.25 | 22.85 | -1.01 | 8.13 |
| Oelrichs | 47 | 5 | 74 | 23 | 0.00 | 0.27 | 16.14 | -1.03 | 1.83 |
| Porcupine | 46 | 5 | 73 | 24 | 0.31 | 2.34 | 16.00 | 0.91 | 1.33 |
| South Central | | | | | | | | | |
| Kennebec | 43 | -1 | 72 | 21 | 0.21 | 0.55 | 21.31 | -0.93 | 5.54 |
| Mission | 46 | 3 | 76 | 26 | 0.27 | 1.04 | 15.40 | -0.53 | -1.54 |
| Murdo | 45 | 2 | 72 | 27 | 0.24 | 0.81 | 17.17 | -0.83 | 1.31 |
| Winner | 46 | -1 | 77 | 22 | 0.24 | 0.36 | 20.78 | -1.50 | 1.57 |
| Southeast | | | | | | | | | |
| Academy | 43 | 1 | 69 | 25 | 0.75 | 0.76 | 22.21 | -1.06 | -0.06 |
| Centerville | 45 | 1 | 68 | 26 | 0.95 | 1.21 | 31.13 | -0.54 | 9.91 |
| Pickstown | 47 | 2 | 73 | 29 | 0.81 | 0.81 | 20.05 | -0.96 | 0.71 |
| Vermillion | 48 | 2 | 68 | 27 | 1.35 | 1.62 | 31.44 | -0.28 | 10.87 |
| Yankton | 46 | 1 | 69 | 26 | 1.00 | 1.00 | 33.25 | -0.85 | 12.64 |

DATA AND MAPS SOURCE: State Climate Office of South Dakota