

South Dakota Weekly Crop Weather Report

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For the Month of January 2013
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Cooperating with:
SOUTH DAKOTA STATE UNIVERSITY
AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

The month of January was mostly below normal for temperatures with an average snow depth at the end of the month of 2.0 inches across the state. As the winter season progresses, producers continue coping with drought reduced feed supplies and stock water supplies, although these have improved from December somewhat. Livestock were doing well in most areas of the state. County road conditions in the state were rated at 99 percent open and 1 percent difficult. Township road conditions were rated at 95 percent open and 5 percent difficult. Major activities last month included moving snow, caring for livestock, moving hay to winter storage, hauling grain and repairing equipment.

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

WEATHER INFORMATION

January conditions across the state produced fewer larger precipitation events but several cold outbreaks, according to the State Climate Office of South Dakota. Despite the colder temperature outbreaks later in the month, the state was mostly warmer than average for the month with only a few stations in the southwest below average. The rest of the state was near average to 3° F above average. Average temperatures were in the upper teens north to upper 20's south. The high for the month was 61° F at Sturgis. The coldest temperature was -14° F at Clear Lake and Webster. Most northeast parts of the state fell to double digits below 0° F because of the combination of cold and decent snow cover. Most southern areas (without snow) warmed better with most of those locations reaching the 50's to lower 60's.

All locations received precipitation, though generally less than 0.25 inches. Areas from southwest to central parts of the state received heavier amounts of precipitation. The same areas were the only locations above average for the month. Hot Springs had the most at 0.68 inches. Bison had the least precipitation at 0.05 inches. Snow cover was heaviest in the northern and eastern parts of the state. Southern areas had light or no snow cover.

SOIL CONDITION

Soil temperatures were mostly in the 20's. Beresford and Parkston were the warmest at 30° F; South Shore was the coolest at 17° F.

FIELD CROPS REPORT

Some producers have been concerned about the lack of snow cover protection for the winter wheat. Winter wheat condition was rated at 16 percent very poor, 50 percent poor, 31 percent fair, and 3 percent good. Snow cover for winter wheat was rated at 84 percent poor with the remaining 16 percent adequate. Alfalfa snow cover was rated at 62 percent poor and 38 percent adequate.

LIVESTOCK, PASTURE, AND RANGE REPORT

Feed supplies were rated at 19 percent very short, 29 percent short and 52 percent adequate to surplus, while last year at this time feed supplies were rated at 99 percent adequate to surplus. Stock water supplies were rated at 32 percent very short, 31 percent short, 37 percent adequate. Cattle conditions were rated at 70 percent good to excellent, 28 percent fair and 2 percent poor. Cattle deaths rated at 26 percent below average and 74 percent average for the month. Newborn calf deaths rated 19 percent below average and 81 percent average. Sheep conditions were rated at 78 percent good to excellent condition, 21 percent fair and 1 percent poor, with sheep and lamb deaths from fall crop rated 10 percent below average and 90 percent average.

Average Soil Temperatures Week Ending January 27, 2013 (4-inch Depth)

| Location | Temp | Location | Temp |
|------------|------|-------------|------|
| Aberdeen | 18 | Nisland | 26 |
| Beresford | 30 | Oacoma | 29 |
| Bowdle | 20 | Parkston | 30 |
| Brookings | 24 | Pierre | 24 |
| Caputa | 27 | Redfield | 24 |
| Cottonwood | 26 | South Shore | 17 |

Crop and Livestock Conditions as of January 27, 2013

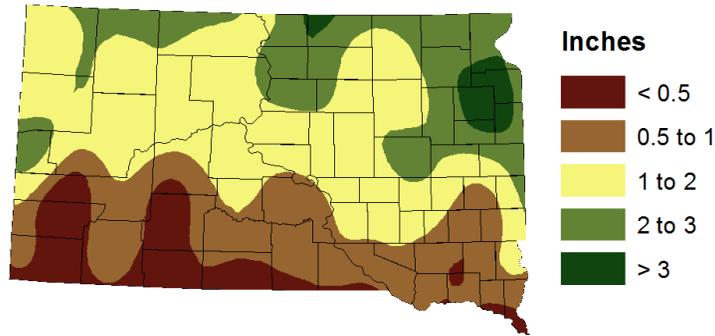
| Item | V Poor | Poor | Fair | Good | Excel |
|--------------|----------------|----------------|----------------|----------------|----------------|
| | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| Winter Wheat | 16 | 50 | 31 | 3 | 0 |
| Cattle | 0 | 2 | 28 | 66 | 4 |
| Sheep | 0 | 1 | 21 | 73 | 5 |

Feed and Water Supplies Comparison as of January 27, 2013

| 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 | 19 | 0 | 1 | 32 | 0 | 4 |
| Short | 29 | 1 | 5 | 31 | 7 | 7 |
| Adequate | 50 | 92 | 87 | 37 | 92 | 83 |
| Surplus | 2 | 7 | 7 | 0 | 1 | 6 |

The next Crop Weather Report will be for the month of February and will be released February 25, 2013

SNOW DEPTH January 28, 2013



TEMPERATURE and PRECIPITATION Month Ending January 27, 2013

| District and Station | Temperatures Past Month | | | | Precipitation | | |
|----------------------|-------------------------|-----------------------|----------------|----------------|---------------|---------------|-----------------------|
| | Average | Departure from Normal | High | Low | Total | | Departure from Normal |
| | | | | | Current Month | Since Oct. 1 | Since Oct. 1 |
| | <i>Degrees</i> | <i>Degrees</i> | <i>Degrees</i> | <i>Degrees</i> | <i>Inches</i> | <i>Inches</i> | <i>Inches</i> |
| Northwest | | | | | | | |
| Bison | 21 | 1 | 48 | -7 | 0.05 | 1.13 | -1.76 |
| Buffalo | 23 | 3 | 57 | -4 | 0.07 | 1.05 | -0.51 |
| Dupree | 22 | 3 | 49 | -4 | 0.10 | 1.11 | -1.58 |
| McIntosh | 17 | 0 | 46 | -10 | 0.16 | 1.11 | -1.47 |
| Newell | 19 | -2 | 50 | -12 | 0.12 | 1.11 | -1.52 |
| Timber Lake | 18 | 0 | 46 | -10 | 0.34 | 1.42 | -1.60 |
| North Central | | | | | | | |
| Aberdeen | 14 | 2 | 42 | -13 | 0.11 | 2.30 | -1.36 |
| Faulkton | 18 | 3 | 45 | -9 | 0.15 | 1.44 | -2.25 |
| Mobridge | 17 | 1 | 47 | -10 | 0.45 | 1.75 | -0.93 |
| Roscoe | 15 | 2 | 41 | -12 | 0.25 | 1.23 | -2.23 |
| Northeast | | | | | | | |
| Britton | 13 | 0 | 42 | -12 | 0.10 | 3.29 | -0.51 |
| Clear Lake | 13 | 1 | 39 | -14 | 0.20 | 3.73 | -1.21 |
| Sisseton | 14 | 1 | 43 | -11 | 0.18 | 3.26 | -0.18 |
| Watertown | 13 | 0 | 38 | -12 | 0.15 | 2.93 | -0.73 |
| Webster | 12 | 0 | 39 | -14 | 0.36 | 5.09 | 0.94 |
| West Central | | | | | | | |
| Faith | 21 | 1 | 47 | -1 | 0.11 | 0.89 | -1.69 |
| Milesville | 23 | 2 | 52 | -4 | 0.17 | 1.33 | -1.78 |
| Philip | 25 | 3 | 55 | -1 | 0.35 | 1.36 | -1.39 |
| Rapid City | 26 | 1 | 59 | -5 | 0.23 | 1.37 | -1.26 |
| Sturgis | 28 | 1 | 61 | 3 | 0.10 | 2.17 | -1.55 |
| Central | | | | | | | |
| Chamberlain | 21 | 0 | 50 | -3 | 0.15 | 2.70 | -0.74 |
| Highmore | 18 | 1 | 48 | -7 | 0.08 | 1.04 | -1.98 |
| Huron | 17 | 0 | 49 | -8 | 0.10 | 2.49 | -1.13 |
| Onida | 20 | 1 | 49 | -7 | 0.34 | 1.27 | -2.37 |
| Pierre | 20 | 0 | 49 | -4 | 0.48 | 1.94 | -1.39 |
| Wessington Spr. | 18 | 0 | 42 | -5 | 0.14 | 1.92 | -2.19 |
| East Central | | | | | | | |
| Brookings | 15 | 2 | 38 | -12 | 0.21 | 4.71 | -0.23 |
| Madison | 17 | 3 | 41 | -10 | 0.14 | 2.85 | -1.50 |
| Mitchell | 19 | 0 | 45 | -2 | 0.10 | 1.96 | -1.09 |
| Sioux Falls | 18 | 1 | 46 | -9 | 0.40 | 2.92 | -1.79 |
| Southwest | | | | | | | |
| Custer | 25 | 1 | 52 | -5 | 0.57 | 2.96 | 0.22 |
| Hot Springs | 27 | -1 | 55 | -6 | 0.68 | 2.63 | 0.20 |
| Martin | 23 | -1 | 50 | -7 | 0.29 | 1.76 | -1.41 |
| Oelrichs | 23 | -1 | 52 | -3 | 0.42 | 2.43 | -0.20 |
| South Central | | | | | | | |
| Kennebec | 22 | 1 | 53 | -8 | 0.20 | 1.50 | -1.48 |
| Mission | 24 | 2 | 59 | -4 | 0.16 | 1.36 | -1.96 |
| Murdo | 23 | 1 | 54 | -2 | 0.38 | 1.66 | -1.78 |
| Winner | 27 | 2 | 59 | -1 | 0.14 | 0.19 | -2.60 |
| Southeast | | | | | | | |
| Academy | 21 | 1 | 55 | -6 | 0.10 | 1.20 | -2.54 |
| Centerville | 19 | 2 | 53 | -5 | 0.19 | 3.07 | -1.58 |
| Pickstown | 25 | 3 | 60 | -1 | 0.09 | 1.50 | -2.56 |
| Vermillion | 23 | 2 | 55 | -3 | 0.55 | 3.31 | -1.45 |
| Yankton | 21 | 1 | 51 | -3 | 0.09 | 2.71 | -2.28 |