

# South Dakota Weekly Crop Weather Report

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For Week Ending April 29, 2012  
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National Agricultural Statistics Service  
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P.O. Box 5068  
Sioux Falls, SD 57117-5068  
Cooperating with:  
SOUTH DAKOTA STATE UNIVERSITY  
AGRICULTURAL EXTENSION SERVICE and  
U.S. DEPARTMENT OF AGRICULTURE  
FARM SERVICE AGENCY

## AGRICULTURAL SUMMARY

At the beginning of last week, farmers were busy planting corn. By the end of the week the arrival of some precipitation slowed planting but helped to improve conditions of crops. There were 4.1 days suitable for field work this past week. Major activities last week included; planting of crops, lining up seed delivery, applying fertilizers and chemicals, caring for livestock, calving and lambing.

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

## WEATHER INFORMATION

The previous week in South Dakota was a tale of two periods, according to the State Climate Office of South Dakota. Warmer temperatures overspread the state early in the week with most locations reaching the 80's and lower 90's. The latter part of the week and weekend produced overcast conditions and additional rainfall.

Average temperatures for the week were in the 50's to low 60's. These were all 2-12° F above average. The high for the week was 92° F at Oelrichs. The coldest temperature was 28° F at Custer and Milesville. Growing degree days since April 1 continue to run a few days to a week ahead of average.

Precipitation was widespread with nearly all locations receiving at least 0.5 inch of precipitation. Amounts were heavier in parts of south central into northwest South Dakota where many stations reported over 1 inch. Bison had the largest total for the week at 1.83 inches. Sisseton had the lowest total at 0.34 inch. Precipitation deviations are nearly all positive for the growing season, but many stations continue to be behind since October 1.

## SOIL CONDITION

Soil temperatures increased slightly again across the state with nearly all stations reaching the low 50's. Soil temperatures were very warm early in the week during the 80° F days. Late in the week they cooled again. Bowdle had the low 4 inch soil temperature at 49° F; Oacoma was the warmest at 60° F. Topsoil moisture is rated at 91 percent in adequate to surplus, and 9 percent short. Subsoil moisture is rated at 81 percent adequate to surplus, 17 percent short and 2 percent very short.

## FIELD CROPS REPORT

Winter wheat conditions are rated at 3 percent poor, 30 percent fair, and 67 percent in good to excellent condition; compared to 5 percent poor and 60 percent in good to excellent condition last week. Winter wheat is at 10 percent boot. Spring wheat conditions are rated at 1 percent poor, 23 percent fair and 76 percent good to excellent; compared to 68 percent in good to excellent condition last week. Spring wheat is at 97 percent planted and 79 percent emerged, up 15 percentage points from last week's emerged estimate. Barley conditions are rated at 5 percent fair, and 95 percent in good to excellent condition. Barley is at 80 percent seeded with 55 percent emerged, up 20 percentage points from last week's emerged estimate. Oat conditions are rated at 9 percent fair and 91 percent good to excellent. Oats are reported at 92 percent planted and 76 percent emerged, up 18 percentage points from last week's emerged estimate. Alfalfa conditions are rated at 2 percent poor, 23 percent fair, and 75 percent good to excellent. Corn is at 31 percent planted, up 23 percentage points from last week and well ahead of the five-year average of 9 percent.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle are rated 96 percent in good to excellent condition up 2 percentage points from last week. Calving was at 82 percent complete. Cattle moved to pasture is rated at 36 percent complete. Sheep are rated 95 percent in good to excellent condition. Lambing was at 87 percent complete. Stock water

supplies are 94 percent adequate to surplus and feed supplies are 99 percent adequate to surplus. Range and pasture conditions are rated 70 percent good to excellent, 28 percent fair and 2 percent poor, compared to 66 percent good to excellent last week.

## Feed and Water Supplies Comparison as of April 29, 2012

| 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              | 3              | 1                    | 0              | 5              |
| Short      | 1              | 8              | 13             | 5                    | 0              | 7              |
| Adequate   | 90             | 83             | 78             | 90                   | 69             | 69             |
| Surplus    | 9              | 8              | 6              | 4                    | 31             | 19             |

## Soil Moisture Condition Comparison as of April 29, 2012

| 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 | 0              | 0              | 0              | 2              | 2              | 0              |
| Short      | 9              | 11             | 3              | 17             | 25             | 4              |
| Adequate   | 83             | 78             | 48             | 74             | 68             | 52             |
| Surplus    | 8              | 11             | 49             | 7              | 5              | 44             |

## Crop and Livestock Conditions as of April 29, 2012

| 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              | 3              | 30             | 54             | 13             |
| Spring Wheat    | 0              | 1              | 23             | 67             | 9              |
| Barley          | 0              | 0              | 5              | 93             | 2              |
| Oats            | 0              | 0              | 9              | 78             | 13             |
| Alfalfa         | 0              | 2              | 23             | 63             | 12             |
| Cattle          | 0              | 0              | 4              | 74             | 22             |
| Sheep           | 0              | 0              | 5              | 67             | 28             |
| Range & Pasture | 0              | 2              | 28             | 57             | 13             |

## Crop Progress as of April 29, 2012 <sup>1</sup>

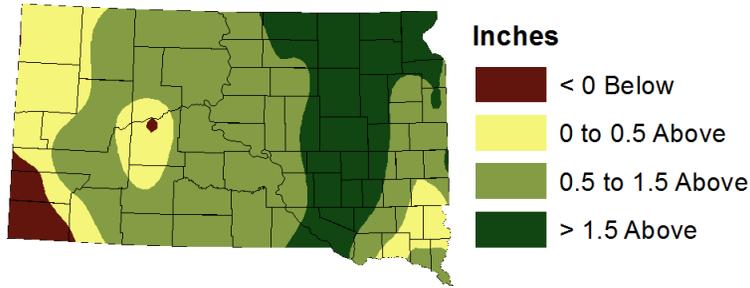
| Item                | This Week      | Last Week      | Last Year      | 5-Yr Avg.      |
|---------------------|----------------|----------------|----------------|----------------|
|                     | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| <b>Winter Wheat</b> |                |                |                |                |
| Boot                | 10             | 8              | 0              | 4              |
| <b>Barley</b>       |                |                |                |                |
| Seeded              | 80             | 70             | 9              | 32             |
| Emerged             | 55             | 35             | 1              | 5              |
| <b>Oats</b>         |                |                |                |                |
| Seeded              | 92             | 81             | 26             | 46             |
| Emerged             | 76             | 58             | 7              | 15             |
| <b>Spring Wheat</b> |                |                |                |                |
| Seeded              | 97             | 91             | 18             | 50             |
| Emerged             | 79             | 64             | 4              | 16             |
| <b>Corn</b>         |                |                |                |                |
| Planted             | 31             | 8              | 1              | 9              |
| <b>Soybeans</b>     |                |                |                |                |
| Planted             | 2              | 0              | 0              | 0              |
| <b>Sorghum</b>      |                |                |                |                |
| Planted             | 1              | 0              | 0              | 0              |

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

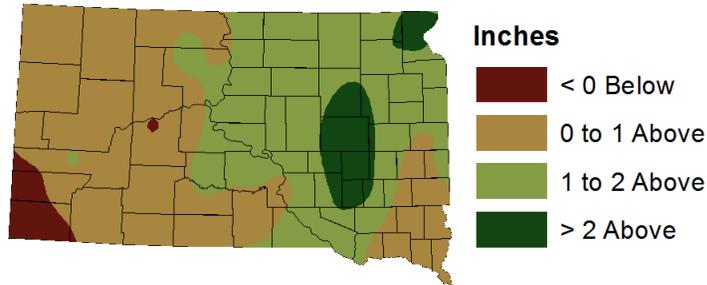
## Average Soil Temperatures Week Ending April 29, 2012 (4-inch Depth)

| Location   | Temp | Location    | Temp |
|------------|------|-------------|------|
| Aberdeen   | 51   | Nisland     | 50   |
| Beresford  | 53   | Oacoma      | 60   |
| Bowdle     | 49   | Parkston    | 52   |
| Brookings  | 51   | Pierre      | 55   |
| Caputa     | 53   | Redfield    | 51   |
| Cottonwood | 57   | South Shore | 51   |

## GROWING SEASON Accumulated Precip Deviation from Average From April 1 to April 29, 2012



## PAST 30 DAYS Accumulated Precip Deviation from Average From March 31 to April 29, 2012



### TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS Week Ending Sunday, April 29, 2012

| District And Station | Temperatures Past Week |                       |         |         | Precipitation |              |              |                       |              | Growing Degree Days |                       |
|----------------------|------------------------|-----------------------|---------|---------|---------------|--------------|--------------|-----------------------|--------------|---------------------|-----------------------|
|                      | Average                | Departure From Normal | High    | Low     | Total         |              |              | Departure From Normal |              | Total               | Departure From Normal |
|                      |                        |                       |         |         | Current Week  | Since Oct. 1 | Since Apr. 1 | Since Oct. 1          | Since Apr. 1 |                     |                       |
|                      | Degrees                | Degrees               | Degrees | Degrees | Inches        | Inches       | Inches       | Inches                | Inches       | Since April 1       |                       |
| <b>Northwest</b>     |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Bison                | 54                     | 5                     | 89      | 31      | 1.83          | 5.72         | 2.52         | -0.73                 | 0.71         | 158                 | 23                    |
| Buffalo              | 55                     | 8                     | 89      | 34      | 1.11          | 4.14         | 1.80         | -1.82                 | 0.22         | 188                 | 59                    |
| Dupree               | 56                     | 6                     | 89      | 36      | 0.83          | 5.44         | 2.68         | -0.79                 | 0.90         | 194                 | 38                    |
| McIntosh             | 54                     | 4                     | 90      | 31      | 1.44          | 4.80         | 2.50         | -0.68                 | 0.88         | 152                 | 13                    |
| Newell               | 56                     | 7                     | 87      | 31      | 0.59          | 3.60         | 1.48         | -2.07                 | -0.12        | 200                 | 58                    |
| Timber Lake          | 57                     | 7                     | 89      | 34      | 1.69          | 6.02         | 3.11         | -0.80                 | 1.23         | 201                 | 63                    |
| <b>North Central</b> |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Aberdeen             | 53                     | 3                     | 87      | 32      | 0.88          | 6.64         | 3.53         | -0.14                 | 1.79         | 167                 | 33                    |
| Faulkton             | 54                     | 5                     | 87      | 35      | 0.86          | 5.59         | 2.91         | -1.76                 | 0.99         | 178                 | 25                    |
| Mobridge             | 54                     | 5                     | 87      | 31      | 0.86          | 5.56         | 2.32         | -1.32                 | 0.78         | 174                 | 43                    |
| Roscoe               | 53                     | 5                     | 87      | 34      | 1.17          | 6.04         | 3.62         | -0.87                 | 1.65         | 157                 | 42                    |
| <b>Northeast</b>     |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Britton              | 52                     | 3                     | 82      | 31      | 0.44          | 6.84         | 3.36         | 0.20                  | 1.73         | 137                 | -5                    |
| Clear Lake           | 50                     | 2                     | 78      | 34      | 0.69          | 8.27         | 3.82         | -0.98                 | 1.65         | 142                 | 13                    |
| Sisseton             | 52                     | 2                     | 79      | 35      | 0.34          | 7.89         | 4.19         | -0.13                 | 2.45         | 142                 | 8                     |
| Watertown            | 51                     | 4                     | 81      | 32      | 0.42          | 5.52         | 2.69         | -1.95                 | 0.81         | 132                 | 11                    |
| Webster              | 52                     | 4                     | 81      | 33      | 0.58          | 6.71         | 3.79         | -0.47                 | 2.04         | 123                 | 0                     |
| <b>West Central</b>  |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Faith                | 57                     | 7                     | 87      | 37      | 1.01          | 4.91         | 2.47         | -2.01                 | 0.75         | 208                 | 59                    |
| Milesville           | 58                     | 7                     | 91      | 28      | 0.53          | 3.96         | 1.53         | -2.80                 | -0.29        | 234                 | 70                    |
| Philip               | 58                     | 8                     | 90      | 30      | 0.78          | 3.48         | 1.89         | -2.40                 | 0.21         | 232                 | 67                    |
| Rapid City           | 57                     | 9                     | 86      | 31      | 0.84          | 6.20         | 3.08         | 0.23                  | 1.33         | 215                 | 66                    |
| Spearfish            | 60                     | 11                    | 85      | 37      | 0.80          | 6.73         | 2.82         | -2.06                 | 0.48         | 252                 | 125                   |
| <b>Central</b>       |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Chamberlain          | 57                     | 7                     | 86      | 35      | 0.92          | 9.52         | 2.87         | 1.58                  | 0.72         | 211                 | 40                    |
| Highmore             | 54                     | 4                     | 85      | 31      | 0.93          | 7.10         | 3.50         | -0.35                 | 1.10         | 161                 | -2                    |
| Huron                | 56                     | 6                     | 87      | 36      | 1.20          | 6.22         | 5.51         | 3.64                  | 3.32         | 198                 | 50                    |
| Onida                | 55                     | 5                     | 86      | 32      | 1.52          | 9.23         | 3.12         | 1.89                  | 1.29         | 190                 | 24                    |
| Pierre               | 56                     | 5                     | 85      | 32      | 0.97          | 6.99         | 3.09         | 0.04                  | 1.18         | 200                 | 34                    |
| Wessington Spr.      | 54                     | 2                     | 86      | 37      | 1.10          | 9.92         | 4.76         | 1.21                  | 2.23         | 185                 | 11                    |
| <b>East Central</b>  |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Brookings            | 52                     | 3                     | 83      | 33      | 0.76          | 6.38         | 2.77         | -1.89                 | 0.82         | 168                 | 56                    |
| Madison              | 54                     | 5                     | 87      | 33      | 0.62          | 7.08         | 2.98         | -1.97                 | 0.49         | 196                 | 61                    |
| Mitchell             | 59                     | 8                     | 90      | 40      | 0.84          | 10.77        | 5.22         | 2.31                  | 2.62         | 223                 | 67                    |
| Sioux Falls          | 56                     | 6                     | 88      | 33      | 0.57          | 7.64         | 2.40         | -1.48                 | -0.13        | 214                 | 62                    |
| <b>Southwest</b>     |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Custer               | 52                     | 8                     | 81      | 28      | 1.35          | 4.59         | 1.75         | -2.20                 | -0.20        | 120                 | 28                    |
| Hot Springs          | 61                     | 12                    | 91      | 33      | 1.24          | 4.50         | 1.73         | -1.22                 | -0.14        | 286                 | 100                   |
| Oelrichs             | 61                     | 11                    | 92      | 32      | 0.90          | 4.31         | 1.65         | -1.80                 | -0.22        | 261                 | 81                    |
| Porcupine            | 54                     | 9                     | 89      | 33      | 0.73          | 5.82         | 2.61         | -0.26                 | 0.79         | 234                 | 55                    |
| <b>South Central</b> |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Kennebec             | 59                     | 7                     | 88      | 37      | 1.51          | 7.76         | 3.41         | 1.38                  | 1.43         | 257                 | 63                    |
| Mission              | 56                     | 7                     | 86      | 32      | 0.84          | 6.44         | 2.49         | -0.27                 | 0.47         | 216                 | 71                    |
| Murdo                | 59                     | 8                     | 89      | 41      | 0.73          | 6.36         | 3.68         | -1.32                 | 1.52         | 214                 | 46                    |
| Winner               | 58                     | 5                     | 87      | 32      | 1.10          | 7.11         | 2.43         | -1.63                 | -0.05        | 236                 | 37                    |
| <b>Southeast</b>     |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Academy              | 57                     | 7                     | 88      | 35      | 0.79          | 9.15         | 3.84         | 1.23                  | 1.27         | 216                 | 39                    |
| Centerville          | 56                     | 5                     | 90      | 32      | 0.65          | 6.69         | 2.19         | -1.84                 | -0.05        | 200                 | 40                    |
| Pickstown            | 59                     | 7                     | 90      | 34      | 1.35          | 8.42         | 4.76         | -0.06                 | 2.10         | 267                 | 93                    |
| Vermillion           | 59                     | 5                     | 89      | 32      | 0.98          | 8.93         | 4.55         | -0.30                 | 1.90         | 307                 | 91                    |
| Yankton              | 57                     | 5                     | 91      | 32      | 0.98          | 8.55         | 2.53         | -0.17                 | 0.12         | 244                 | 71                    |