

# South Dakota Weekly Crop Weather Report

Released: July 6, 2009 -- 3:00 p.m. CT  
For Week Ending July 5, 2009  
SD-CW5827 Volume 58 Issue 27



National Agricultural Statistics Service  
South Dakota Field Office  
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Cooperating with:  
SOUTH DAKOTA STATE UNIVERSITY  
AGRICULTURAL EXTENSION SERVICE and  
U.S. DEPARTMENT OF AGRICULTURE  
FARM SERVICE AGENCY

## AGRICULTURAL SUMMARY

Corn development advanced with the warmer weather last week, while soybeans still remain slow to develop. There were 4.7 days suitable for field work last week. Major farm activities included hay harvest and spraying of weeds, but scattered showers hindered these activities in some locations while others are in need of precipitation.

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

## WEATHER INFORMATION

Cooler than average temperatures covered most of the state for another week, according to the State Climate Office of South Dakota. While much of the southern and far western part of the state reached the 90's during the week, the rest of the state reached only the 80's for high temperatures. Philip reported the high for the week at 99°F. Overall temperatures were again below average by up to 5°F in the southeast, while southwestern areas were near average. The low temperature for the week was at Porcupine at 35° F.

The northeastern part of the state continued its drier trend, with most stations receiving less than 0.5 inch for the week. This is much less than average for this time of year. Britton reported the least with no precipitation. Much of the western and southern parts of the state received well above average precipitation amounts. Faith reported the highest at 2.11 inches.

The cooler temperatures are problematic for GDD accumulation as GDD totals continue to lag well behind average since April 1.

## SOIL CONDITION

Seventy-one percent of the topsoil was rated having adequate to surplus moisture, increasing by 3 percentage points from last week. Subsoil moisture was rated 66 percent in the adequate to surplus categories, dropping 4 percentage points from the previous week and 21 percentage points below a year earlier.

## FIELD CROPS REPORT

The average height of corn is now 25 inches, up 9 inches from last week but behind the five-year average by 10 inches. Ninety-two percent of corn has been cultivated or sprayed once and 39 percent have been cultivated or sprayed twice. Soybeans blooming are at 18 percent, jumping 16 percentage points from last week and staying ahead of last years average by 13 percentage points. Sunflowers are 97 percent planted, slightly behind the five-year average by 1 percentage point. Sorghum is 97 percent emerged. Ninety-six percent of spring wheat is in the boot stage. Seventy-nine percent of spring wheat has headed, up 21 percentage points from last week, but behind the five-year average by 13 percentage points. Spring wheat is at 5 percent turning color this week, ahead of last year by 2 percentage points, but behind the five-year average of 22 percent. Winter wheat is 73 percent turned color, up 48 percentage points from last week, and ahead of last years estimate by 16 percentage points.

## Feed and Water Supplies Comparison as of July 5, 2009

| 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              | 6              | 0                    | 1              | 12             |
| Short      | 4              | 3              | 12             | 4                    | 7              | 17             |
| Adequate   | 89             | 85             | 75             | 86                   | 72             | 62             |
| Surplus    | 7              | 11             | 7              | 10                   | 21             | 9              |

## LIVESTOCK, PASTURE, AND RANGE REPORT

Sheep this week rated at 85 percent in the good to excellent conditions. Cattle rated at 82 percent this week in good to excellent conditions. Seventy-six percent of range and pasture is rated in good to excellent conditions.

## Soil Moisture Condition Comparison as of July 5, 2009

| 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              | 3              | 2              | 6              | 2              | 2              |
| Short      | 26             | 29             | 15             | 28             | 28             | 11             |
| Adequate   | 64             | 63             | 74             | 63             | 66             | 77             |
| Surplus    | 7              | 5              | 9              | 3              | 4              | 10             |

## Crop and Livestock Conditions as of July 5, 2009

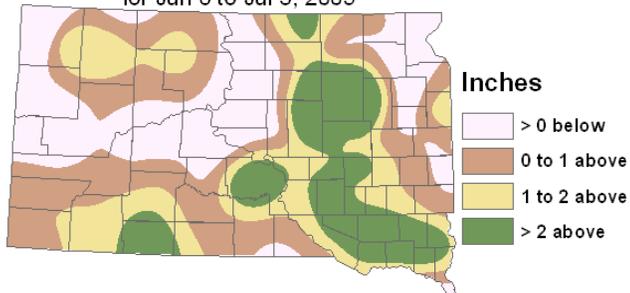
| Item            | V Poor         | Poor           | Fair           | Good           | Excel          |
|-----------------|----------------|----------------|----------------|----------------|----------------|
|                 | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| Winter Wheat    | 3              | 9              | 35             | 43             | 10             |
| Spring Wheat    | 1              | 14             | 23             | 50             | 12             |
| Barley          | 0              | 4              | 25             | 59             | 12             |
| Oats            | 0              | 4              | 27             | 53             | 16             |
| Corn            | 0              | 13             | 25             | 49             | 13             |
| Soybeans        | 0              | 15             | 30             | 45             | 10             |
| Sorghum         | 0              | 1              | 23             | 59             | 17             |
| Sunflower       | 0              | 15             | 20             | 57             | 8              |
| Alfalfa         | 2              | 9              | 19             | 57             | 13             |
| Cattle          | 0              | 2              | 16             | 62             | 20             |
| Sheep           | 0              | 1              | 14             | 61             | 24             |
| Range & Pasture | 2              | 4              | 18             | 61             | 15             |

## Crop Progress as of July 5, 2009 <sup>1</sup>

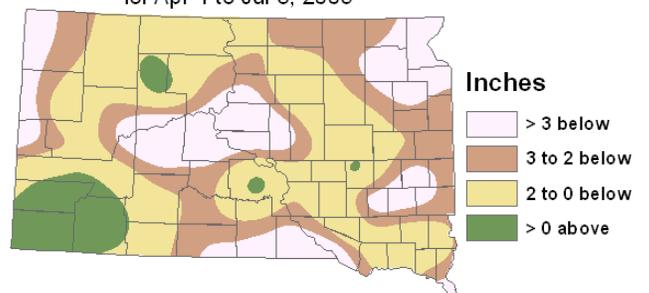
| Item                | This Week      | Last Week      | Last Year      | 5-Yr Avg.      |
|---------------------|----------------|----------------|----------------|----------------|
|                     | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| <b>Winter Wheat</b> |                |                |                |                |
| Turning Color       | 73             | 25             | 57             | 81             |
| Ripe                | 0              | 0              | 1              | 21             |
| Harvested           | 0              | 0              | 0              | 7              |
| <b>Barley</b>       |                |                |                |                |
| Boot                | 96             | 87             | 88             | 97             |
| Headed              | 71             | 64             | 57             | 82             |
| Turning Color       | 4              | 1              | 4              | 17             |
| <b>Oats</b>         |                |                |                |                |
| Boot                | 98             | 93             | 93             | 98             |
| Headed              | 74             | 64             | 71             | 88             |
| Turning Color       | 5              | 0              | 11             | 24             |
| <b>Spring Wheat</b> |                |                |                |                |
| Boot                | 96             | 92             | 97             | 99             |
| Headed              | 79             | 58             | 78             | 92             |
| Turning Color       | 5              | 1              | 3              | 22             |
| Ripe                | 0              | 0              | 0              | 1              |
| <b>Corn</b>         |                |                |                |                |
| Ave. Height (in.)   | 25             | 16             | 24             | 35             |
| 1st cult./spray     | 92             | 81             | 95             | 98             |
| 2nd cult./spray     | 39             | 18             | 43             | 61             |
| Tasseled            | 0              | 0              | 0              | 3              |
| <b>Soybeans</b>     |                |                |                |                |
| Blooming            | 18             | 2              | 5              | 15             |
| <b>Sorghum</b>      |                |                |                |                |
| Emerged             | 97             | 86             | 94             | 94             |
| Headed              | 1              | 0              | 0              | 1              |
| <b>Sunflower</b>    |                |                |                |                |
| Planted             | 97             | 94             | 99             | 98             |
| <b>Alfalfa</b>      |                |                |                |                |
| 1st Cutting         | 88             | 77             | 76             | 85             |
| 2nd Cutting         | 9              | 1              | 5              | 14             |
| <b>Other Hay</b>    |                |                |                |                |
| Cut                 | 47             | 29             | 46             | 51             |

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

**PAST 30 DAYS**  
Accumulated Precip Deviation from Average  
for Jun 6 to Jul 5, 2009



**GROWING SEASON**  
Accumulated Precip Deviation from Average  
for Apr 1 to Jul 5, 2009



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, July 5, 2009

| District<br>And<br>Station | Temperatures Past Week |                             |                |               | Precipitation   |                 |                 |                          |                 | Growing Degree Days |                          |
|----------------------------|------------------------|-----------------------------|----------------|---------------|-----------------|-----------------|-----------------|--------------------------|-----------------|---------------------|--------------------------|
|                            | Average                | Departure<br>From<br>Normal | High           | Low           | Total           |                 |                 | Departure<br>From Normal |                 | Total               | Departure<br>From Normal |
|                            |                        |                             |                |               | Current<br>Week | Since<br>Oct. 1 | Since<br>Apr. 1 | Since<br>Oct. 1          | Since<br>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>            |                 |                     |                          |
| <b>Northwest</b>           |                        |                             |                |               |                 |                 |                 |                          |                 |                     |                          |
| Bison                      | 67                     | -2                          | 88             | 53            | 1.37            | 16.86           | 6.89            | 4.11                     | -1.19           | 880                 | -118                     |
| Buffalo                    | 68                     | 1                           | 90             | 53            | 1.23            | 11.82           | 5.33            | -0.49                    | -3.05           | 790                 | -14                      |
| Dupree                     | 69                     | -1                          | 93             | 52            | 0.70            | 16.49           | 9.09            | 3.32                     | 0.38            | 953                 | -71                      |
| McIntosh                   | 66                     | -3                          | 85             | 50            | 0.69            | 13.79           | 6.58            | 2.17                     | -1.12           | 832                 | -191                     |
| Newell                     | 67                     | -3                          | 93             | 48            | 0.24            | 12.37           | 5.88            | 0.71                     | -1.69           | 825                 | -159                     |
| Timber Lake                | 68                     | -1                          | 88             | 51            | 0.60            | 15.73           | 7.04            | 2.29                     | -1.44           | 955                 | -46                      |
| <b>North Central</b>       |                        |                             |                |               |                 |                 |                 |                          |                 |                     |                          |
| Aberdeen                   | 68                     | -1                          | 85             | 52            | 0.07            | 14.47           | 5.89            | 0.87                     | -2.65           | 951                 | -80                      |
| Faulkton                   | 67                     | -3                          | 84             | 49            | 0.54            | 14.98           | 8.23            | 1.22                     | -0.07           | 945                 | -95                      |
| Mobridge                   | 69                     | -1                          | 88             | 51            | 0.67            | 12.68           | 6.04            | 0.81                     | -1.58           | 935                 | -87                      |
| Roscoe                     | 67                     | -2                          | 83             | 53            | 0.22            | 14.96           | 7.32            | 1.01                     | -1.68           | 888                 | -38                      |
| <b>Northeast</b>           |                        |                             |                |               |                 |                 |                 |                          |                 |                     |                          |
| Britton                    | 66                     | -3                          | 82             | 50            | 0.00            | 17.41           | 6.02            | 3.82                     | -2.61           | 866                 | -169                     |
| Clear Lake                 | 65                     | -4                          | 81             | 53            | 1.70            | 19.68           | 7.86            | 2.29                     | -2.42           | 853                 | -78                      |
| Sisseton                   | 66                     | -3                          | 81             | 53            | 0.05            | 16.61           | 4.87            | 1.65                     | -3.78           | 949                 | -66                      |
| Watertown                  | 65                     | -3                          | 83             | 50            | 0.36            | 14.85           | 6.00            | 0.14                     | -3.14           | 879                 | -22                      |
| Webster                    | 67                     | -2                          | 82             | 53            | 0.46            | 14.48           | 4.85            | 0.48                     | -3.71           | 895                 | -51                      |
| <b>West Central</b>        |                        |                             |                |               |                 |                 |                 |                          |                 |                     |                          |
| Faith                      | 68                     | -3                          | 91             | 54            | 2.11            | 13.24           | 7.45            | 0.32                     | -0.76           | 858                 | -208                     |
| Milesville                 | 70                     | -1                          | 95             | 56            | 0.90            | 11.25           | 4.15            | -2.67                    | -4.82           | 989                 | -120                     |
| Philip                     | 71                     | 0                           | 99             | 52            | 1.56            | 12.03           | 5.59            | -0.37                    | -2.59           | 1,023               | -97                      |
| Rapid City                 | 68                     | -1                          | 90             | 52            | 0.25            | 13.76           | 7.63            | 1.47                     | -0.41           | 815                 | -97                      |
| Spearfish                  | 71                     | 1                           | 92             | 55            | 0.17            | 16.09           | 6.51            | -0.69                    | -3.81           | 942                 | 18                       |
| <b>Central</b>             |                        |                             |                |               |                 |                 |                 |                          |                 |                     |                          |
| Chamberlain                | 70                     | -2                          | 89             | 55            | 1.36            | 14.83           | 8.12            | -0.84                    | -1.80           | 1,069               | -25                      |
| Highmore                   | 69                     | -1                          | 89             | 47            | 1.24            | 10.79           | 5.41            | -3.82                    | -3.96           | 957                 | -90                      |
| Huron                      | 68                     | -3                          | 87             | 51            | 1.00            | 17.97           | 8.49            | 3.29                     | -0.59           | 1,022               | -66                      |
| Onida                      | 69                     | -1                          | 93             | 51            | 0.82            | 10.54           | 4.24            | -3.41                    | -4.13           | 950                 | -104                     |
| Pierre                     | 70                     | -3                          | 94             | 52            | 0.53            | 12.10           | 5.50            | -2.14                    | -3.67           | 1,011               | -143                     |
| <b>East Central</b>        |                        |                             |                |               |                 |                 |                 |                          |                 |                     |                          |
| Brookings                  | 66                     | -3                          | 83             | 53            | 0.48            | 16.09           | 7.66            | 1.20                     | -2.16           | 897                 | -63                      |
| Forestburg                 | 69                     | -3                          | 85             | 53            | 1.63            | 17.97           | 9.66            | 2.15                     | -0.16           | 1,146               | -63                      |
| Madison                    | 66                     | -3                          | 82             | 50            | 1.03            | 14.39           | 6.84            | -2.44                    | -3.40           | 980                 | 20                       |
| Mitchell                   | 70                     | -2                          | 86             | 55            | 1.90            | 16.45           | 7.16            | 0.32                     | -2.90           | 1,134               | -3                       |
| Sioux Falls                | 67                     | -4                          | 84             | 53            | 0.96            | 16.78           | 7.45            | 0.10                     | -2.59           | 1,048               | -44                      |
| <b>Southwest</b>           |                        |                             |                |               |                 |                 |                 |                          |                 |                     |                          |
| Custer                     | 64                     | 0                           | 86             | 43            | 1.16            | 12.97           | 9.31            | -0.82                    | 0.27            | 607                 | -79                      |
| Hot Springs                | 69                     | 0                           | 92             | 49            | 0.38            | 13.03           | 8.90            | 0.92                     | 0.66            | 998                 | -73                      |
| Oelrichs                   | 70                     | -1                          | 94             | 51            | 0.65            | 15.88           | 8.94            | 3.34                     | 0.66            | 961                 | -115                     |
| Porcupine                  | 66                     | -3                          | 92             | 35            | 1.33            | 16.34           | 8.85            | 3.90                     | 0.69            | 926                 | -115                     |
| <b>South Central</b>       |                        |                             |                |               |                 |                 |                 |                          |                 |                     |                          |
| Kennebec                   | 70                     | -3                          | 91             | 50            | 1.63            | 15.19           | 8.85            | 2.21                     | 0.29            | 1,127               | -142                     |
| Mission                    | 71                     | 0                           | 95             | 53            | 0.69            | 13.39           | 6.72            | -0.72                    | -2.69           | 990                 | -19                      |
| Murdo                      | 71                     | 0                           | 95             | 57            | 1.14            | 13.98           | 6.74            | -0.64                    | -2.33           | 1,010               | -62                      |
| Winner                     | 70                     | -4                          | 92             | 56            | 1.26            | 14.43           | 7.94            | -2.28                    | -2.47           | 1,079               | -202                     |
| <b>Southeast</b>           |                        |                             |                |               |                 |                 |                 |                          |                 |                     |                          |
| Armour                     | 69                     | -5                          | 86             | 54            | 1.98            | 15.91           | 9.03            | -0.68                    | -1.07           | 1,078               | -215                     |
| Centerville                | 67                     | -4                          | 88             | 51            | 0.53            | 18.90           | 9.62            | 1.93                     | -1.05           | 1,064               | -103                     |
| Pickstown                  | 68                     | -4                          | 89             | 54            | 1.74            | 14.83           | 6.45            | -1.47                    | -4.00           | 1,073               | -112                     |
| Vermillion                 | 69                     | -5                          | 87             | 52            | 0.75            | 19.52           | 8.28            | 2.19                     | -2.43           | 1,220               | -149                     |
| Yankton                    | 69                     | -3                          | 87             | 54            | 0.22            | 20.52           | 10.09           | 3.29                     | -0.80           | 1,127               | -73                      |

DATA AND MAP SOURCE: State Climate Office of South Dakota