

# South Dakota Weekly Crop Weather Report

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For Week Ending May 29, 2011  
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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

With only 2.7 days suitable for fieldwork in the past seven days, farmers made limited planting progress. Heavy rains from the middle to end of the week halted planting, causing all crops to lag behind last year and the 5 year average for completion. Farm activities included planting, spraying and fertilizing where suitable, repairing fences, and moving cattle to pastures.

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

## WEATHER INFORMATION

Precipitation during the week caused some flooding in western areas and reasserted itself in some basins of the east, this according to the State Climate Office of South Dakota. Issues have also started to occur along the Missouri because of heavy rains in Montana leading to increased flows.

Precipitation varied widely across the state with many places receiving well over an inch and several places less than 0.10 inches. Thirteen of the reporting stations here received over 1 inch for the week generally in the southwest and northeast parts of the state. Brookings had the largest total at 1.89 inches for the week. North central South Dakota was the driest for the week with Mobridge reporting the least at 0.06 inch. Totals over the last 30 days were generally well above average statewide with the heaviest totals in the Black Hills area. North Central parts of the state continue to be the driest.

Average temperatures were mostly in the 50's F for the week with a few low 60's F in the southeast. These were again well below average from a few degrees in the southeast to 5-7° F below average across much of the rest of the state. Yankton and Vermillion shared the high temperature of the week at 77° F. Custer had the lowest temperature at 28° F. No stations outside the Black Hills fell below freezing. The state lost further ground on GDDs. Southeastern areas are in the best shape being 6-8 days behind. Other areas of the state are 10 or more days behind.

## SOIL CONDITION

Despite the overall colder than average temperatures, soil temperatures warmed several degrees statewide. All locations now had 4 inch soil temperatures in the 50's F. Oacoma had the warmest soil temperature at 59° F; Bowdle was the lowest at 51° F.

## FIELD CROPS REPORT

Saturated fields leave farmers to fall even further behind last year's and the 5-year averages for planting progress. Corn and Soybeans planted made minimal progress, with corn at 86 percent complete and soybeans at 34 percent complete, behind last year's progress of 90 and 59 percent respectively. Spring wheat planting is estimated at 96 percent, compared to 99 percent last year. Ninety-three percent of the barley has been planted, compared to 94 percent last year. Winter wheat growth is still considerably below average at 47 percent now in the boot stage, compared to last year's 69 percent.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Minimal days for field work cause more cattle to be moved to pasture grounds. Eighty-four percent of cattle are moved to pasture, just behind last year's 86 percent. Feed Supplies remain stable with 93 percent rated adequate to surplus. Stock water holds steady with 100 percent adequate to surplus.

### Average Soil Temperatures Week Ending May 29, 2011 (4-inch Depth)

| Location   | Temp | Location    | Temp |
|------------|------|-------------|------|
| Aberdeen   | 54   | Nisland     | 55   |
| Beresford  | 55   | Oacoma      | 62   |
| Bowdle     | 54   | Parkston    | 56   |
| Brookings  | 56   | Pierre      | 58   |
| Caputa     | 53   | Redfield    | 58   |
| Cottonwood | 58   | South Shore | 55   |

## Feed and Water Supplies Comparison as of May 29, 2011

| 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 | 1              | 1              | 3              | 0                    | 0              | 7              |
| Short      | 6              | 6              | 10             | 0                    | 1              | 11             |
| Adequate   | 86             | 84             | 81             | 63                   | 74             | 70             |
| Surplus    | 7              | 9              | 6              | 37                   | 25             | 12             |

## Soil Moisture Condition Comparison as of May 29, 2011

| 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              | 0              | 0              | 0              |
| Short      | 0              | 1              | 4              | 2              | 3              | 2              |
| Adequate   | 57             | 56             | 73             | 58             | 54             | 75             |
| Surplus    | 43             | 43             | 23             | 40             | 43             | 23             |

## Crop and Livestock Conditions as of May 29, 2011

| Item            | V Poor         | Poor           | Fair           | Good           | Excel          |
|-----------------|----------------|----------------|----------------|----------------|----------------|
|                 | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| Winter Wheat    | 1              | 3              | 17             | 65             | 14             |
| Spring Wheat    | 0              | 1              | 17             | 70             | 12             |
| Barley          | 0              | 0              | 10             | 82             | 8              |
| Oats            | 0              | 0              | 10             | 81             | 9              |
| Corn            | 1              | 4              | 17             | 67             | 11             |
| Alfalfa         | 0              | 1              | 15             | 69             | 15             |
| Cattle          | 0              | 0              | 11             | 77             | 12             |
| Sheep           | 0              | 0              | 13             | 71             | 16             |
| Range & Pasture | 1              | 3              | 20             | 56             | 20             |

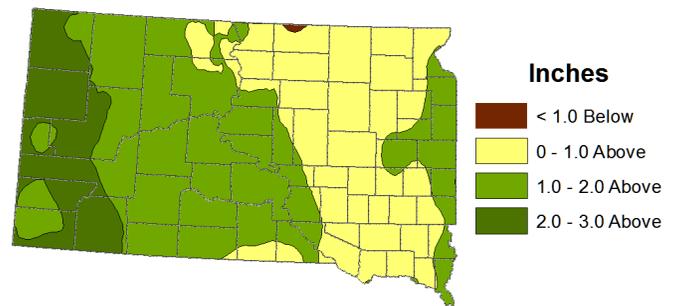
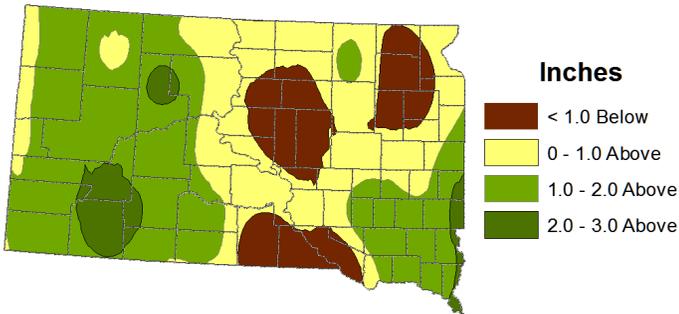
## Crop Progress as of May 29, 2011 <sup>1</sup>

| 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                | 47             | 25             | 69             | 70             |
| Headed              | 0              | 0              | 15             | 18             |
| <b>Barley</b>       |                |                |                |                |
| Seeded              | 93             | 62             | 94             | 98             |
| Emerged             | 35             | 13             | 70             | 84             |
| Boot                | 0              | 0              | 2              | 4              |
| <b>Oats</b>         |                |                |                |                |
| Seeded              | 96             | 84             | 95             | 99             |
| Emerged             | 72             | 54             | 84             | 92             |
| Boot                | 0              | 0              | 8              | 9              |
| <b>Spring Wheat</b> |                |                |                |                |
| Seeded              | 96             | 89             | 99             | 100            |
| Emerged             | 73             | 51             | 94             | 96             |
| Boot                | 1              | 0              | 6              | 9              |
| <b>Corn</b>         |                |                |                |                |
| Planted             | 86             | 73             | 90             | 92             |
| Emerged             | 46             | 18             | 62             | 60             |
| <b>Soybeans</b>     |                |                |                |                |
| Planted             | 34             | 21             | 59             | 65             |
| Emerged             | 8              | 1              | 19             | 22             |
| <b>Sorghum</b>      |                |                |                |                |
| Planted             | 18             | 7              | 19             | 42             |
| Emerged             | 3              | 0              | 2              | 12             |
| <b>Sunflower</b>    |                |                |                |                |
| Planted             | 14             | 3              | 34             | 24             |

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

Growing Season  
Accumulated Precip Deviation from Average  
From April 1 to May 29, 2011

PAST 30 DAYS  
Accumulated Precip Deviation from Average  
From April 30 to May 29, 2011



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, May 29, 2011

| 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       |                     |                       |
| <b>Northwest</b>     |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Bison                | 53                     | -7                    | 66      | 37      | 0.38          | 9.73         | 5.32         | 0.41                  | 0.66         | 295                 | -128                  |
| Buffalo              | 52                     | -5                    | 67      | 38      | 0.40          | 9.55         | 5.89         | 1.71                  | 1.74         | 227                 | -165                  |
| Dupree               | 55                     | -6                    | 70      | 38      | 1.53          | 13.49        | 7.45         | 4.33                  | 2.75         | 286                 | -189                  |
| McIntosh             | 54                     | -7                    | 71      | 37      | 0.10          | 8.81         | 4.91         | 0.83                  | 0.71         | 289                 | -155                  |
| Newell               | 54                     | -5                    | 71      | 39      | 1.63          | 11.06        | 6.40         | 2.36                  | 2.00         | 253                 | -161                  |
| Timber Lake          | 54                     | -6                    | 71      | 38      | 0.37          | 11.92        | 5.82         | 2.31                  | 1.17         | 297                 | -146                  |
| <b>North Central</b> |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Aberdeen             | 56                     | -5                    | 69      | 37      | 1.06          | 12.17        | 5.89         | 2.86                  | 1.64         | 323                 | -134                  |
| Faulkton             | 54                     | -7                    | 69      | 36      | 0.34          | 9.13         | 4.15         | 0.43                  | -0.44        | 273                 | -205                  |
| Mobridge             | 56                     | -5                    | 72      | 39      | 0.06          | 9.69         | 4.48         | 0.56                  | 0.50         | 319                 | -111                  |
| Roscoe               | 54                     | -5                    | 69      | 40      | 0.24          | 11.99        | 4.93         | 2.14                  | 0.03         | 267                 | -111                  |
| <b>Northeast</b>     |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Britton              | 55                     | -6                    | 67      | 34      | 1.17          | 11.92        | 4.11         | 2.55                  | -0.21        | 293                 | -193                  |
| Clear Lake           | 54                     | -6                    | 68      | 38      | 1.75          | 14.31        | 6.02         | 2.14                  | 0.91         | 254                 | -188                  |
| Sisseton             | 55                     | -6                    | 67      | 40      | 0.77          | 13.94        | 4.78         | 3.03                  | 0.18         | 294                 | -176                  |
| Watertown            | 55                     | -4                    | 68      | 34      | 1.18          | 12.84        | 4.05         | 3.00                  | -0.17        | 275                 | -150                  |
| Webster              | 55                     | -6                    | 72      | 40      | 0.71          | 14.44        | 3.59         | 4.53                  | -0.88        | 272                 | -160                  |
| <b>West Central</b>  |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Faith                | 54                     | -7                    | 67      | 39      | 0.15          | 11.55        | 6.25         | 1.75                  | 1.61         | 270                 | -188                  |
| Milesville           | 56                     | -6                    | 69      | 39      | 0.95          | 10.60        | 6.02         | 0.49                  | 0.86         | 350                 | -133                  |
| Philip               | 50                     | -11                   | 66      | 32      | 1.49          | 9.88         | 5.46         | 1.11                  | 0.85         | 289                 | -195                  |
| Rapid City           | 52                     | -6                    | 70      | 36      | 0.79          | 10.24        | 6.27         | 1.43                  | 1.75         | 274                 | -151                  |
| Spearfish            | 53                     | -6                    | 67      | 37      | 1.01          | 12.42        | 6.42         | 0.19                  | 0.65         | 293                 | -87                   |
| <b>Central</b>       |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Chamberlain          | 58                     | -3                    | 74      | 40      | 0.40          | 10.01        | 5.97         | -1.55                 | 0.30         | 367                 | -145                  |
| Highmore             | 53                     | -7                    | 70      | 37      | 0.45          | 7.86         | 4.54         | -2.76                 | -0.82        | 282                 | -215                  |
| Huron                | 58                     | -3                    | 72      | 38      | 0.64          | 11.88        | 5.13         | 1.26                  | 0.17         | 360                 | -114                  |
| Onida                | 54                     | -7                    | 72      | 37      | 0.37          | 10.48        | 4.50         | 0.14                  | -0.08        | 320                 | -185                  |
| Pierre               | 55                     | -7                    | 73      | 36      | 0.37          | 11.94        | 5.30         | 2.00                  | 0.48         | 338                 | -160                  |
| <b>East Central</b>  |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Brookings            | 56                     | -4                    | 70      | 38      | 1.89          | 12.58        | 6.39         | 2.77                  | 1.65         | 282                 | -111                  |
| Forestburg           | 58                     | -5                    | 74      | 40      | 0.90          | 12.88        | 6.84         | 0.94                  | 1.00         | 360                 | -162                  |
| Madison              | 57                     | -4                    | 73      | 41      | 0.82          | 11.71        | 6.51         | -0.55                 | 0.84         | 297                 | -148                  |
| Mitchell             | 59                     | -4                    | 75      | 42      | 0.87          | 13.80        | 8.19         | 2.01                  | 2.49         | 377                 | -117                  |
| Sioux Falls          | 58                     | -3                    | 72      | 43      | 0.82          | 13.34        | 7.56         | 0.95                  | 1.88         | 368                 | -118                  |
| <b>Southwest</b>     |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Custer               | 46                     | -7                    | 61      | 28      | 0.48          | 12.03        | 6.24         | 2.17                  | 1.21         | 107                 | -177                  |
| Hot Springs          | 55                     | -5                    | 71      | 33      | 1.04          | 11.06        | 6.96         | 2.31                  | 2.08         | 372                 | -131                  |
| Oelrichs             | 56                     | -3                    | 75      | 35      | 0.79          | 8.55         | 5.83         | -0.47                 | 1.07         | 345                 | -151                  |
| Porcupine            | 54                     | -5                    | 73      | 33      | 1.08          | 14.03        | 7.37         | 5.24                  | 2.86         | 327                 | -170                  |
| <b>South Central</b> |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Kennebec             | 58                     | -6                    | 74      | 35      | 0.51          | 9.87         | 5.70         | 0.57                  | 0.82         | 401                 | -162                  |
| Mission              | 55                     | -5                    | 72      | 33      | 1.27          | 12.07        | 7.06         | 1.91                  | 1.60         | 316                 | -118                  |
| Murdo                | 57                     | -5                    | 72      | 40      | 1.62          | 11.47        | 5.96         | 0.92                  | 0.96         | 316                 | -173                  |
| Winner               | 57                     | -7                    | 74      | 40      | 0.72          | 8.89         | 5.15         | -1.47                 | -1.01        | 358                 | -214                  |
| <b>Southeast</b>     |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Academy              | 57                     | -4                    | 73      | 41      | 0.35          | 9.37         | 6.38         | -2.71                 | 0.16         | 336                 | -182                  |
| Centerville          | 59                     | -4                    | 74      | 42      | 0.69          | 11.46        | 6.70         | 0.30                  | 0.96         | 376                 | -121                  |
| Pickstown            | 60                     | -3                    | 74      | 42      | 0.65          | 10.64        | 4.89         | -1.44                 | -1.34        | 445                 | -79                   |
| Vermillion           | 62                     | -4                    | 77      | 42      | 0.63          | 12.74        | 8.05         | -0.15                 | 1.78         | 495                 | -129                  |
| Yankton              | 60                     | -3                    | 77      | 43      | 0.99          | 14.91        | 8.33         | 2.47                  | 2.23         | 433                 | -94                   |

DATA AND MAP SOURCE: State Climate Office of South Dakota