

# South Dakota Weekly Crop Weather Report

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For Week Ending October 3, 2010  
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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

An ideal week of dry weather helped producers make progress on row crop harvest, as there were 6.4 days suitable for fieldwork in the past week. Major farm activities included harvesting row crops, cutting silage, seeding winter wheat, and general care of livestock.

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

## WEATHER INFORMATION

Dry conditions dominated the state during the week helping to dry out soils after a very wet September over most of the state, according to the State Climate Office of South Dakota. No precipitation was recorded at any of the stations in this report. Only a few other stations across the state (not reported here) had a few hundredths of inch of precipitation for the week. These were very isolated.

The first sub-freezing conditions occurred over parts of the state. The main locations of freezing temperatures were in the north central to northeast and parts of central South Dakota. Mobridge was the coolest reaching 27° F. Overall temperatures were generally warmer than average statewide by 1-5° F. The high temperature for the week was a 92° F at Oelrichs.

## SOIL CONDITION

Soil temperatures were in the mid to upper 50's F generally with a couple 60's still reported. Oacoma had the highest temperature at 64° F. Bowdle had the lowest at 53° F. Topsoil moisture rated at 83 percent adequate to surplus for last week, above last year's rating of 67 percent. Subsoil moisture was 81 percent adequate to surplus, above last year's rating of 56 percent and the five-year average of 57 percent.

## FIELD CROPS REPORT

Eighty-four percent of corn is rated mature, compared to 54 percent last year and 76 percent for the five-year average. Seven percent of the corn is harvested for grain, compared to 10 percent for the five-year average. Harvesting of corn silage is 91 percent complete compared to 68 percent last year. Soybeans dropping leaves are 99 percent, ahead of last year's estimate of 95 percent and the five year average of 97 percent. Eighty-eight percent of the soybean crop is rated mature, with the five-year average at 74 percent. Twenty-five percent of the soybeans have been harvested, compared to the five-year average of 26 percent. Producers have planted 76 percent of the winter wheat, which is behind the five-year average of 79 percent. Forty-four percent of the winter wheat has emerged, ahead of the five-year average of 41 percent.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Pastures are rated 65 percent in good to excellent condition, compared to the five-year average of 49 percent. Cattle are rated 90 percent in good to excellent condition. Sheep are rated 88 percent in good to excellent condition. Feed supplies remain in good shape and are rated at 96 percent adequate to surplus, up from the five-year average of 86 percent.

## Feed and Water Supplies Comparison as of October 3, 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 | 1              | 1              | 4              | 0                    | 1              | 11             |
| Short      | 3              | 3              | 10             | 5                    | 10             | 18             |
| Adequate   | 80             | 86             | 77             | 75                   | 82             | 65             |
| Surplus    | 16             | 10             | 9              | 20                   | 7              | 6              |

## Soil Moisture Condition Comparison as of October 3, 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 | 5              | 3              | 5              | 5              | 9              | 6              |
| Short      | 12             | 13             | 28             | 14             | 11             | 38             |
| Adequate   | 64             | 58             | 63             | 59             | 53             | 53             |
| Surplus    | 19             | 26             | 4              | 22             | 27             | 3              |

## Crop and Livestock Conditions as of October 3, 2010

| Item            | V Poor         | Poor           | Fair           | Good           | Excel          |
|-----------------|----------------|----------------|----------------|----------------|----------------|
|                 | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| Corn            | 1              | 8              | 18             | 52             | 21             |
| Soybeans        | 1              | 10             | 20             | 50             | 19             |
| Sorghum         | 1              | 4              | 20             | 61             | 14             |
| Sunflower       | 1              | 6              | 31             | 52             | 10             |
| Alfalfa         | 5              | 5              | 21             | 61             | 8              |
| Cattle          | 0              | 1              | 9              | 69             | 21             |
| Sheep           | 1              | 1              | 10             | 56             | 32             |
| Range & Pasture | 2              | 11             | 22             | 53             | 12             |

## Crop Progress as of October 3, 2010 <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> |                |                |                |                |
| Seeded              | 76             | 61             | 76             | 79             |
| Emerged             | 44             | 27             | 40             | 41             |
| <b>Corn</b>         |                |                |                |                |
| Mature              | 84             | 67             | 54             | 76             |
| Grain Harvested     | 7              | 2              | 2              | 10             |
| Silage Harvested    | 91             | 83             | 68             | 88             |
| <b>Soybeans</b>     |                |                |                |                |
| Dropping Leaves     | 99             | 84             | 95             | 97             |
| Mature              | 88             | 48             | 53             | 74             |
| Harvested           | 25             | 3              | 14             | 26             |
| <b>Sorghum</b>      |                |                |                |                |
| Mature              | 86             | 66             | 63             | 74             |
| Grain Harvested     | 11             | 2              | 11             | 18             |
| Silage Harvested    | 95             | 91             | 68             | 87             |
| <b>Sunflower</b>    |                |                |                |                |
| Bracts Yellow       | 95             | 81             | 90             | 94             |
| Mature              | 49             | 29             | 38             | 42             |
| Harvested           | 1              | 0              | 1              | 4              |
| <b>Alfalfa</b>      |                |                |                |                |
| 3rd Cutting         | 90             | 86             | 86             | 88             |

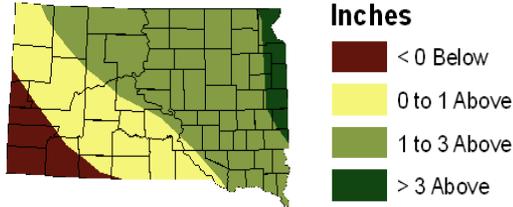
<sup>1</sup> Percents represent all acreage in or beyond each stage.

## Average Soil Temperatures Week Ending October 3, 2010 (4-inch Depth)

| Location   | Temp | Location    | Temp |
|------------|------|-------------|------|
| Aberdeen   | 54   | Nisland     | 58   |
| Beresford  | 58   | Oacoma      | 64   |
| Bowdle     | 53   | Parkston    | 59   |
| Brookings  | 56   | Pierre      | 59   |
| Caputa     | 56   | Redfield    | 57   |
| Cottonwood | 60   | South Shore | 54   |

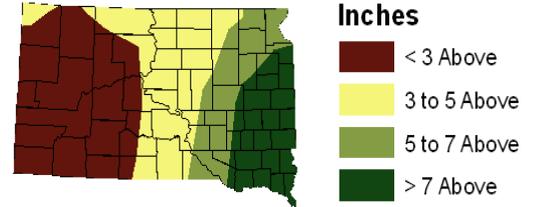
PAST 30 DAYS

Accumulated Precip Deviation from Average  
From September 4 to October 3, 2010



GROWING SEASON

Accumulated Precip Deviation from Average  
From April 1 to October 3, 2010



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS  
Week Ending Sunday, October 3, 2010

| 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                | 57                     | 3                     | 84      | 33      | 0.00          | 0.00         | 16.93        | -0.14                 | 4.07         | 2,564               | -49                   |
| Buffalo              | 59                     | 5                     | 88      | 36      | 0.00          | 0.00         | 13.69        | -0.12                 | 2.06         | 2,299               | -87                   |
| Dupree               | 59                     | 4                     | 82      | 31      | 0.00          | 0.00         | 22.01        | -0.15                 | 8.53         | 2,658               | 23                    |
| McIntosh             | 57                     | 3                     | 85      | 33      | 0.00          | 0.00         | 15.59        | -0.15                 | -0.49        | 2,587               | -29                   |
| Newell               | 59                     | 4                     | 88      | 36      | 0.00          | 0.00         | 13.23        | -0.12                 | 1.14         | 2,390               | -237                  |
| Timber Lake          | 57                     | 3                     | 84      | 29      | 0.00          | 0.00         | 15.24        | -0.15                 | 1.45         | 2,637               | 27                    |
| <b>North Central</b> |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Aberdeen             | 57                     | 2                     | 78      | 33      | 0.00          | 0.00         | 21.46        | -0.18                 | 5.76         | 2,754               | 141                   |
| Faulkton             | 57                     | 1                     | 78      | 33      | 0.00          | 0.00         | 17.71        | -0.15                 | 2.82         | 2,673               | 3                     |
| Mobridge             | 57                     | 1                     | 81      | 27      | 0.00          | 0.00         | 11.96        | -0.15                 | 1.31         | 2,666               | -34                   |
| Roscoe               | 55                     | 2                     | 77      | 35      | 0.00          | 0.00         | 16.91        | -0.15                 | 1.45         | 2,576               | 141                   |
| <b>Northeast</b>     |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Britton              | 56                     | 1                     | 76      | 29      | 0.00          | 0.00         | 16.41        | -0.18                 | 0.22         | 2,674               | 68                    |
| Clear Lake           | 56                     | 2                     | 75      | 35      | 0.00          | 0.00         | 24.41        | -0.21                 | 6.41         | 2,600               | 211                   |
| Sisseton             | 59                     | 4                     | 77      | 34      | 0.00          | 0.00         | 18.11        | -0.18                 | 1.43         | 2,745               | 176                   |
| Watertown            | 55                     | 2                     | 75      | 31      | 0.00          | 0.00         | 21.64        | -0.19                 | 5.02         | 2,609               | 296                   |
| Webster              | 56                     | 3                     | 74      | 37      | 0.00          | 0.00         | 19.23        | -0.18                 | 2.43         | 2,696               | 265                   |
| <b>West Central</b>  |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Faith                | 58                     | 1                     | 84      | 31      | 0.00          | 0.00         | 15.95        | -0.15                 | 2.66         | 2,646               | -147                  |
| Milesville           | 59                     | 2                     | 87      | 33      | 0.00          | 0.00         | 18.98        | -0.16                 | 4.49         | 2,803               | -43                   |
| Philip               | 60                     | 3                     | 90      | 29      | 0.00          | 0.00         | 12.89        | -0.12                 | -0.17        | 2,838               | 7                     |
| Rapid City           | 60                     | 4                     | 89      | 36      | 0.00          | 0.00         | 18.01        | -0.12                 | 5.44         | 2,468               | -53                   |
| Spearfish            | 66                     | 11                    | 90      | 39      | 0.00          | 0.00         | 15.14        | -0.19                 | -0.25        | 2,691               | 204                   |
| <b>Central</b>       |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Chamberlain          | 60                     | 3                     | 82      | 36      | 0.00          | 0.00         | 19.15        | -0.19                 | 2.19         | 3,002               | 185                   |
| Highmore             | 57                     | 1                     | 77      | 29      | 0.00          | 0.00         | 20.84        | -0.18                 | 5.96         | 2,612               | -86                   |
| Huron                | 58                     | 2                     | 79      | 34      | 0.00          | 0.00         | 25.19        | -0.18                 | 9.67         | 2,986               | 215                   |
| Onida                | 57                     | 1                     | 80      | 33      | 0.00          | 0.00         | 17.82        | -0.15                 | 3.27         | 2,738               | 43                    |
| Pierre               | 59                     | 1                     | 83      | 33      | 0.00          | 0.00         | 17.74        | -0.17                 | 2.50         | 2,862               | -73                   |
| <b>East Central</b>  |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Brookings            | 56                     | 2                     | 76      | 35      | 0.00          | 0.00         | 34.12        | -0.21                 | 16.17        | 2,688               | 264                   |
| Forestburg           | 58                     | 0                     | 78      | 36      | 0.00          | 0.00         | 26.64        | -0.18                 | 10.27        | 3,060               | 92                    |
| Madison              | 57                     | 3                     | 76      | 35      | 0.00          | 0.00         | 31.94        | -0.21                 | 13.17        | 2,711               | 267                   |
| Mitchell             | 58                     | 1                     | 80      | 36      | 0.00          | 0.00         | 26.71        | -0.18                 | 9.40         | 3,065               | 207                   |
| Sioux Falls          | 58                     | 2                     | 76      | 39      | 0.00          | 0.00         | 32.02        | -0.21                 | 13.71        | 2,918               | 179                   |
| <b>Southwest</b>     |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Custer               | 56                     | 5                     | 85      | 35      | 0.00          | 0.00         | 14.90        | -0.15                 | -0.85        | 1,823               | -87                   |
| Hot Springs          | 62                     | 7                     | 91      | 34      | 0.00          | 0.00         | 22.60        | -0.14                 | 9.00         | 2,669               | 5                     |
| Oelrichs             | 60                     | 4                     | 92      | 37      | 0.00          | 0.00         | 15.87        | -0.12                 | 2.74         | 2,662               | -77                   |
| Porcupine            | 56                     | 1                     | 91      | 30      | 0.00          | 0.00         | 13.66        | -0.15                 | 0.27         | 2,634               | -59                   |
| <b>South Central</b> |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Kennebec             | 58                     | -1                    | 83      | 30      | 0.00          | 0.00         | 20.76        | -0.15                 | 6.32         | 3,093               | -2                    |
| Mission              | 57                     | 1                     | 82      | 28      | 0.00          | 0.00         | 14.36        | -0.18                 | -1.19        | 2,812               | 113                   |
| Murdo                | 61                     | 4                     | 88      | 36      | 0.00          | 0.00         | 16.36        | -0.15                 | 1.99         | 2,986               | 161                   |
| Winner               | 62                     | 2                     | 84      | 33      | 0.00          | 0.00         | 20.42        | -0.21                 | 2.86         | 3,013               | -117                  |
| <b>Southeast</b>     |                        |                       |         |         |               |              |              |                       |              |                     |                       |
| Academy              | 61                     | 5                     | 83      | 33      | 0.00          | 0.00         | 21.45        | -0.21                 | 0.79         | 2,905               | 153                   |
| Centerville          | 57                     | 0                     | 79      | 36      | 0.00          | 0.00         | 29.92        | -0.20                 | 10.25        | 2,910               | 38                    |
| Pickstown            | 61                     | 3                     | 82      | 34      | 0.00          | 0.00         | 19.24        | -0.21                 | 1.46         | 2,820               | -157                  |
| Vermillion           | 62                     | 2                     | 82      | 34      | 0.00          | 0.00         | 29.82        | -0.21                 | 10.94        | 3,401               | 164                   |
| Yankton              | 60                     | 2                     | 81      | 34      | 0.00          | 0.00         | 32.25        | -0.20                 | 13.29        | 3,144               | 189                   |

DATA AND MAP SOURCE: State Climate Office of South Dakota