

# South Dakota Weekly Crop Weather Report

Released: October 15, 2007 -- 3:00 p.m. CST  
For Week Ending October 14, 2007  
SD-CW5642 Volume 56 Issue 42



National Agricultural Statistics Service  
South Dakota Field Office  
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

Mid-week was dry enough to allow harvest progress, but the weekend showers slowed harvest. Statewide average of days suitable for fieldwork was 5.0 days. Major farm activities included harvesting row crops, seeding winter wheat, and working cattle and sheep for winter.

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

## WEATHER INFORMATION

A slow moving area of low pressure produced widespread rainfall for the second weekend in a row across much of the southeast part of the state. Nearly all stations reported some precipitation. Some precipitation amounts reached over 2 inches for the week at Vermillion and Centerville. Many other locations received well above an inch. Some of these areas were in the southwest part of the state, helping with the continuing moisture issues in these locations.

While the soil moisture recharge is welcome, this will slow down the harvest in the wettest areas again. Most of the week between the two weekend storms was dry across the state allowing more harvesting to continue.

## SOIL CONDITION

Precipitation received in many parts of the state will help recharge the soil moisture for winter wheat as well as the spring plantings. Topsoil moisture was rated at 78 percent adequate to surplus, the same as last week; however, the percent surplus went up from 5 percent to 10 percent. Subsoil moisture was bumped up 2 percentage points from last week to 70 percent adequate to surplus. Cool weather caused the average soil temperatures to drop 3 to 8° F.

## FIELD CROPS REPORT

Mid-week dry weather allowed harvest to advance, but weekend showers have slowed harvest and dry-down progress considerably. There have been a few early reports of concern regarding a delayed harvest. Harvest of soybeans has reached 61 percent complete, but remains behind the five-year average of 69 percent. Corn harvest advanced to 36 percent complete, continuing ahead of the five-year average of 25 percent. Sorghum harvested for grain surpassed the fifty-percent benchmark, now at 69 percent complete, well ahead of the normal 47 percent. Sunflower maturity is now rated at 85 percent, slightly ahead of the normal 83 percent. Sunflower harvest advanced to 27 percent, similar to the five-year average of 31 percent, ahead of last year's 16 percent. Winter wheat seeding is nearing completion. Seventy-two percent of winter wheat has emerged, equaling last year, but ahead of the five-year average of 64 percent.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Livestock producers are active bringing feed and livestock closer to home for the winter months. Feed supplies are rated 89 percent in the adequate to surplus range, which is better than last year's 63 percent. Stock water supplies are rated at 71 percent adequate to surplus, also better than last year's 49 percent. As a result cattle and sheep conditions remain strong.

## Feed and Water Supplies Comparison as of October 14, 2007

| 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 | 2              | 14             | 13             | 11                   | 26             | 27             |
| Short      | 9              | 23             | 23             | 18                   | 25             | 23             |
| Adequate   | 80             | 61             | 60             | 64                   | 47             | 48             |
| Surplus    | 9              | 2              | 4              | 7                    | 2              | 2              |

## Soil Moisture Condition Comparison as of October 14, 2007

| 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 | 4              | 7              | 8              | 10             | 16             | 22             |
| Short      | 18             | 15             | 19             | 20             | 16             | 30             |
| Adequate   | 68             | 73             | 70             | 64             | 64             | 45             |
| Surplus    | 10             | 5              | 3              | 6              | 4              | 3              |

## Crop and Livestock Conditions as of October 14, 2007

| Item            | V Poor         | Poor           | Fair           | Good           | Excel          |
|-----------------|----------------|----------------|----------------|----------------|----------------|
|                 | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| Corn            | 2              | 6              | 20             | 52             | 20             |
| Soybeans        | 1              | 2              | 19             | 53             | 25             |
| Sorghum         | 4              | 8              | 26             | 54             | 8              |
| Sunflower       | 3              | 5              | 37             | 46             | 9              |
| Alfalfa         | 5              | 5              | 28             | 55             | 7              |
| Cattle          | 0              | 1              | 12             | 68             | 19             |
| Sheep           | 0              | 1              | 11             | 68             | 20             |
| Range & Pasture | 3              | 14             | 34             | 43             | 6              |

## Crop Progress as of October 14, 2007 <sup>1</sup>

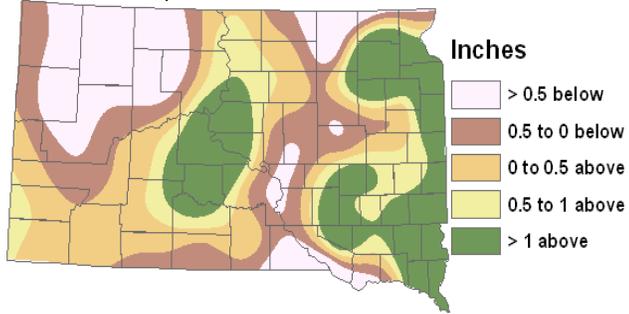
| Item                | This Week      | Last Week      | Last Year      | 5-Yr Avg.      |
|---------------------|----------------|----------------|----------------|----------------|
|                     | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| <b>Winter Wheat</b> |                |                |                |                |
| Seeded              | 95             | 88             | 96             | 94             |
| Emerged             | 72             | 55             | 72             | 64             |
| <b>Corn</b>         |                |                |                |                |
| Mature              | 95             | 92             | 99             | 96             |
| Grain Harvested     | 36             | 22             | 22             | 25             |
| <b>Soybeans</b>     |                |                |                |                |
| Mature              | 95             | 88             | 99             | 98             |
| Harvested           | 61             | 39             | 73             | 69             |
| <b>Sorghum</b>      |                |                |                |                |
| Grain Harvested     | 69             | 42             | 43             | 47             |
| <b>Sunflower</b>    |                |                |                |                |
| Mature              | 85             | 69             | 79             | 83             |
| Harvested           | 27             | 8              | 16             | 31             |
| <b>Alfalfa</b>      |                |                |                |                |
| 3rd Cutting         | 94             | 91             | 96             | 95             |

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

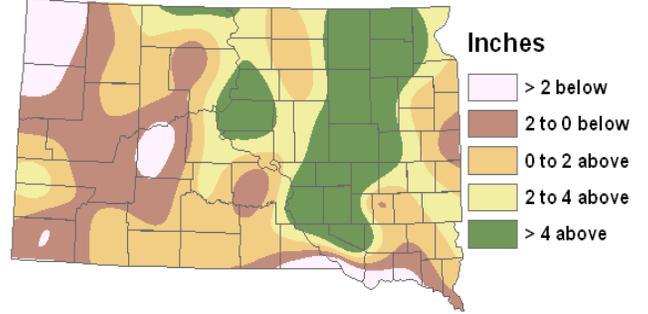
## Average Soil Temperatures Week Ending October 14, 2007 (4-inch Depth)

| Location   | Temp | Location    | Temp |
|------------|------|-------------|------|
| Beresford  | 53   | Nisland     | 54   |
| Brookings  | 55   | Oacoma      | 59   |
| Caputa     | 52   | Pierre      | 57   |
| Cottonwood | 53   | Redfield    | 53   |
| Gettysburg | NA   | South Shore | 51   |

Accumulated Precip Departure from Normal  
for Sep 15 to Oct 14, 2007



Accumulated Precip Departure from Normal  
for Apr 1 to Oct 14, 2007



**TEMPERATURE and PRECIPITATION**  
Week Ending Sunday, October 14, 2007

| District and Station | Temperatures Past Week |                       |                |               | Precipitation |               |               |                       |              |
|----------------------|------------------------|-----------------------|----------------|---------------|---------------|---------------|---------------|-----------------------|--------------|
|                      | Average                | Departure from Normal | High           | Low           | Total         |               |               | Departure from Normal |              |
|                      |                        |                       |                |               | Current Week  | Since Oct. 1  | Since Apr. 1  | Since Oct. 1          | Since 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                | 47                     | -3                    | 68             | 31            | 0.11          | 0.11          | 13.22         | -0.24                 | -0.07        |
| Buffalo              | 48                     | 1                     | 68             | 34            | 0.61          | 0.61          | 9.93          | 0.26                  | -3.51        |
| Dupree               | 49                     | -2                    | 68             | 32            | 0.14          | 0.14          | 14.84         | -0.26                 | 0.71         |
| McIntosh             | 45                     | -5                    | 66             | 29            | 0.00          | 0.00          | 17.33         | -0.35                 | 4.11         |
| Newell               | 51                     | 1                     | 70             | 34            | 0.09          | 0.09          | 10.55         | -0.26                 | -1.49        |
| Timber Lake          | 48                     | -2                    | 66             | 29            | 0.04          | 0.04          | 13.25         | -0.38                 | -1.16        |
| <b>North Central</b> |                        |                       |                |               |               |               |               |                       |              |
| Aberdeen             | 47                     | -3                    | 67             | 31            | 0.29          | 0.29          | 22.97         | -0.12                 | 6.98         |
| Faulkton             | 46                     | -5                    | 66             | 28            | 0.89          | 0.89          | 16.99         | 0.47                  | 1.33         |
| Mobridge             | 47                     | -4                    | 64             | 31            | 0.18          | 0.18          | 16.82         | -0.21                 | 3.39         |
| Roscoe               | 45                     | -4                    | 67             | 32            | 0.35          | 0.35          | 16.49         | -0.01                 | 0.47         |
| <b>Northeast</b>     |                        |                       |                |               |               |               |               |                       |              |
| Britton              | 47                     | -3                    | 65             | 30            | 0.44          | 0.44          | 21.93         | 0.04                  | 5.39         |
| Clear Lake           | 47                     | -1                    | 60             | 35            | 1.12          | 1.12          | 19.98         | 0.63                  | 0.34         |
| Sisseton             | 48                     | -3                    | 62             | 33            | 0.28          | 0.28          | 20.90         | -0.14                 | 4.29         |
| Watertown            | 49                     | 1                     | 62             | 36            | 0.70          | 0.70          | 18.67         | 0.22                  | 1.35         |
| Webster              | 48                     | -1                    | 62             | 37            | 0.55          | 0.55          | 24.63         | 0.13                  | 7.17         |
| <b>West Central</b>  |                        |                       |                |               |               |               |               |                       |              |
| Faith                | 50                     | -2                    | 70             | 32            | 0.02          | 0.02          | 15.26         | -0.39                 | 1.56         |
| Milesville           | 50                     | -3                    | 71             | 35            | 0.70          | 0.70          | 12.88         | 0.28                  | -2.62        |
| Philip               | 51                     | 0                     | 72             | 32            | 1.27          | 1.27          | 11.43         | 0.92                  | -2.08        |
| Rapid City           | 51                     | 1                     | 73             | 36            | 0.37          | 0.37          | 12.76         | 0.02                  | -0.27        |
| Spearfish            | 49                     | -1                    | 67             | 27            | 0.20          | 0.20          | 15.50         | -0.29                 | -0.66        |
| <b>Central</b>       |                        |                       |                |               |               |               |               |                       |              |
| Chamberlain          | 50                     | -2                    | 69             | 33            | 1.07          | 1.07          | 22.90         | 0.65                  | 5.45         |
| Highmore             | 46                     | -5                    | 66             | 30            | 0.81          | 0.81          | 20.01         | 0.39                  | 3.18         |
| Huron                | 48                     | -3                    | 67             | 26            | 0.89          | 0.89          | 24.27         | 0.52                  | 8.18         |
| Onida                | 48                     | -3                    | 67             | 31            | 0.53          | 0.53          | 21.94         | 0.13                  | 6.92         |
| Pierre               | 49                     | -4                    | 68             | 34            | 0.90          | 0.90          | 18.97         | 0.48                  | 3.33         |
| <b>East Central</b>  |                        |                       |                |               |               |               |               |                       |              |
| Brookings            | 49                     | 0                     | 62             | 38            | 1.26          | 1.26          | 18.47         | 0.84                  | -0.17        |
| Forestburg           | 49                     | -4                    | 63             | 28            | 1.37          | 1.37          | 23.84         | 0.95                  | 6.82         |
| Madison              | 49                     | -1                    | 64             | 34            | 0.95          | 0.95          | 22.07         | 0.49                  | 2.56         |
| Mitchell             | 49                     | -2                    | 64             | 34            | 1.26          | 1.26          | 18.20         | 0.91                  | 0.64         |
| Sioux Falls          | 51                     | 0                     | 66             | 36            | 1.20          | 1.20          | 21.70         | 0.76                  | 2.72         |
| <b>Southwest</b>     |                        |                       |                |               |               |               |               |                       |              |
| Custer               | 44                     | -3                    | 63             | 30            | 0.81          | 0.81          | 18.74         | 0.46                  | 2.60         |
| Hot Springs          | 51                     | 1                     | 71             | 32            | 1.29          | 1.29          | 12.41         | 1.00                  | -1.68        |
| Oelrichs             | 51                     | -1                    | 70             | 32            | 1.20          | 1.20          | 12.19         | 0.88                  | -1.44        |
| Porcupine            | 49                     | -1                    | 74             | 30            | 0.88          | 0.88          | 14.71         | 0.53                  | 0.77         |
| <b>South Central</b> |                        |                       |                |               |               |               |               |                       |              |
| Kennebec             | 50                     | -4                    | 70             | 28            | 1.05          | 1.05          | 13.94         | 0.70                  | -1.05        |
| Mission              | 49                     | -2                    | 69             | 32            | 1.13          | 1.13          | 17.02         | 0.76                  | 0.86         |
| Murdo                | 50                     | -2                    | 68             | 34            | 0.69          | 0.69          | 17.19         | 0.27                  | 2.20         |
| Winner               | 52                     | -4                    | 70             | 33            | 1.87          | 1.87          | 19.57         | 1.40                  | 1.19         |
| <b>Southeast</b>     |                        |                       |                |               |               |               |               |                       |              |
| Armour               | 49                     | -5                    | 65             | 32            | 1.31          | 1.31          | 26.91         | 0.89                  | 8.80         |
| Centerville          | 53                     | 1                     | 88             | 31            | 2.29          | 2.29          | 19.72         | 1.87                  | 0.35         |
| Pickstown            | 49                     | -4                    | 68             | 34            | 0.25          | 0.25          | 15.24         | -0.17                 | -3.16        |
| Vermillion           | 54                     | -1                    | 69             | 31            | 2.45          | 2.45          | 18.71         | 1.99                  | -0.98        |
| Yankton              | 49                     | -5                    | 68             | 29            | 0.99          | 0.99          | 16.81         | 0.57                  | -2.80        |

DATA AND MAPS SOURCE: State Climate Office of South Dakota