

South Dakota Weekly Crop Weather Report

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For Week Ending July 25, 2010
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Cooperating with:
SOUTH DAKOTA STATE UNIVERSITY
AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

South Dakota was left with 4.4 days suitable for fieldwork for the week ending July 25, 2010. Scattered showers and sunshine around the state aided in crop development and moistened soils, while other areas received no moisture. Severe storms and damaging hail were reported again last week in areas around the state. Field pests continue to be a problem in western parts of the state as the grasshopper, weevil, and caterpillars continue to take a toll on crops. Major farm activities include spraying crops, harvesting hay and winter wheat.

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

WEATHER INFORMATION

Warm temperatures were evident across the state over the last week with temperatures in many locations in the 80s and 90s, according to the State Climate Office of South Dakota. Most locations were 1-7° F below average. Spearfish had the high for the week at 97° F; Custer had the low temperature at 45° F. There was precipitation last week however is unavailable.

SOIL CONDITION

Topsoil moisture was rated 84 percent adequate to surplus for last week, 19 percentage points above the previous year and 39 percentage points above the five-year average. Subsoil moisture was 89 percent adequate to surplus, 26 percentage points above the previous year and 36 percentage points above the five-year average.

FIELD CROPS REPORT

This week's mixed weather conditions brought damage to some areas and in other areas, great conditions for crop development. Winter wheat continues to be harvested rapidly, now 61 percent complete. This is ahead of last year when only 35 percent was harvested, but behind the five-year average of 62 percent. Spring wheat harvest is also beginning, and is now 6 percent complete, slightly behind the five-year average of 17 percent. Corn is 75 percent tasseled, 42 percentage points above the previous year and 14 percentage points above the five-year average. Soybeans are 66 percent blooming, 9 points behind the 75 percent for the five-year average.

LIVESTOCK, PASTURE, AND RANGE REPORT

Pastures are rated 85 percent in mostly good to excellent conditions, 29 percentage points above the five-year average. Parts of South Dakota pastures received needed moisture last week, while others stayed considerably dry. Cattle are rated 90 percent in good to excellent condition, while sheep are rated 87 percent in good to excellent condition. Feed supplies are rated at 97 percent adequate to surplus, up 14 points from the five-year average.

Feed and Water Supplies Comparison as of July 25, 2010

| Rating | Feed Supplies | | | Stock Water Supplies | | |
|------------|---------------|-----------|------------|----------------------|-----------|------------|
| | This Week | Last Year | 5 Yr. Avg. | This Week | Last Year | 5 Yr. Avg. |
| | Percent | Percent | Percent | Percent | Percent | Percent |
| Very Short | 0 | 1 | 4 | 0 | 1 | 11 |
| Short | 3 | 5 | 13 | 3 | 9 | 18 |
| Adequate | 76 | 86 | 75 | 70 | 82 | 64 |
| Surplus | 21 | 8 | 8 | 27 | 8 | 7 |

Soil Moisture Condition Comparison as of July 25, 2010

| Rating | Topsoil | | | Subsoil | | |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | This Week | Last Week | Last Year | This Week | Last Week | Last Year |
| | Percent | Percent | Percent | Percent | Percent | Percent |
| Very Short | 2 | 2 | 7 | 0 | 1 | 11 |
| Short | 14 | 14 | 27 | 11 | 10 | 26 |
| Adequate | 64 | 66 | 59 | 67 | 65 | 57 |
| Surplus | 20 | 18 | 6 | 22 | 24 | 6 |

Crop and Livestock Conditions as of July 25, 2010

| Item | V Poor | Poor | Fair | Good | Excel |
|-----------------|---------|---------|---------|---------|---------|
| | Percent | Percent | Percent | Percent | Percent |
| Winter Wheat | 0 | 1 | 12 | 58 | 29 |
| Spring Wheat | 1 | 4 | 20 | 52 | 23 |
| Barley | 0 | 4 | 22 | 63 | 11 |
| Oats | 1 | 3 | 15 | 64 | 17 |
| Corn | 2 | 6 | 16 | 53 | 23 |
| Soybeans | 2 | 8 | 20 | 54 | 16 |
| Sorghum | 0 | 1 | 9 | 70 | 20 |
| Sunflower | 0 | 2 | 21 | 60 | 17 |
| Alfalfa | 1 | 4 | 17 | 66 | 12 |
| Cattle | 0 | 1 | 9 | 69 | 21 |
| Sheep | 0 | 1 | 12 | 57 | 30 |
| Range & Pasture | 1 | 3 | 11 | 62 | 23 |

Crop Progress as of July 25, 2010 ¹

| Item | This Week | Last Week | Last Year | 5-Yr Avg. |
|---------------------|-----------|-----------|-----------|-----------|
| | Percent | Percent | Percent | Percent |
| Winter Wheat | | | | |
| Ripe | 97 | 77 | 80 | 89 |
| Harvested | 61 | 33 | 35 | 62 |
| Barley | | | | |
| Turning Color | 94 | 60 | 74 | 86 |
| Ripe | 25 | 6 | 12 | 36 |
| Harvested | 8 | 0 | 0 | 11 |
| Oats | | | | |
| Turning Color | 93 | 73 | 79 | 89 |
| Ripe | 52 | 17 | 33 | 56 |
| Harvested | 15 | 2 | 4 | 28 |
| Spring Wheat | | | | |
| Turning Color | 93 | 75 | 81 | 89 |
| Ripe | 49 | 11 | 22 | 44 |
| Harvested | 6 | 0 | 3 | 17 |
| Corn | | | | |
| 2nd cult./spray | 87 | 80 | 86 | 93 |
| Tasseled | 75 | 42 | 33 | 61 |
| Silked | 47 | 18 | 13 | 34 |
| Dough | 3 | N/A | 0 | 3 |
| Soybeans | | | | |
| Blooming | 66 | 52 | 74 | 75 |
| Setting Pods | 22 | 12 | 17 | 17 |
| Sorghum | | | | |
| Headed | 19 | 2 | 17 | 27 |
| Coloring | 0 | 0 | 0 | 2 |
| Sunflower | | | | |
| Blooming | 9 | 3 | 8 | 10 |
| Alfalfa | | | | |
| 1st Cutting | 100 | 94 | 100 | 100 |
| 2nd Cutting | 56 | 44 | 58 | 65 |
| Other Hay | | | | |
| Cut | 78 | 73 | 78 | 82 |

¹ Percents represent all acreage in or beyond each stage.

PAST 30 DAYS
Accumulated Precip Deviation from Average
From June 26 to July 25, 2010



GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to July 25, 2010



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, July 25, 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 | | |
| Northwest | | | | | | | | | | | |
| Bison | 69 | -4 | 82 | 53 | N/A | 11.74 | 11.81 | 3.07 | 2.14 | 1,340 | -96 |
| Buffalo | 67 | -4 | 85 | 51 | N/A | 12.43 | 9.29 | 0.69 | 1.31 | 1,182 | -107 |
| Dupree | 71 | -3 | 93 | 54 | N/A | 21.86 | 17.19 | 7.25 | 7.04 | 1,428 | -36 |
| McIntosh | 66 | -7 | 83 | 50 | N/A | 14.33 | 8.17 | 1.14 | -1.10 | 1,405 | -57 |
| Newell | 70 | -4 | 86 | 55 | N/A | 13.43 | 9.46 | 0.11 | 0.23 | 1,214 | -215 |
| Timber Lake | 70 | -3 | 91 | 54 | N/A | 16.23 | 10.55 | 1.20 | 0.48 | 1,430 | -16 |
| North Central | | | | | | | | | | | |
| Aberdeen | 70 | -3 | 84 | 56 | N/A | 24.84 | 16.37 | 9.34 | 5.93 | 1,567 | 90 |
| Faulkton | 69 | -4 | 86 | 56 | N/A | 20.56 | 10.30 | 5.18 | 0.38 | 1,499 | 13 |
| Mobridge | 69 | -5 | 85 | 54 | N/A | 16.24 | 9.32 | 1.60 | 2.70 | 1,481 | -9 |
| Roscoe | 69 | -3 | 84 | 54 | N/A | 20.60 | 11.09 | 4.83 | 0.27 | 1,471 | 114 |
| Northeast | | | | | | | | | | | |
| Britton | 70 | -2 | 84 | 54 | N/A | 18.71 | 8.82 | 2.70 | -2.23 | 1,538 | 73 |
| Clear Lake | 70 | -2 | 83 | 55 | N/A | 29.44 | 14.00 | 10.83 | 2.37 | 1,499 | 153 |
| Sisseton | 70 | -3 | 85 | 56 | N/A | 24.43 | 10.22 | 7.44 | -1.18 | 1,565 | 112 |
| Watertown | 70 | -1 | 84 | 58 | N/A | 22.62 | 12.04 | 6.05 | 1.04 | 1,467 | 158 |
| Webster | 71 | -1 | 83 | 58 | N/A | 21.61 | 10.98 | 5.21 | 0.02 | 1,530 | 150 |
| West Central | | | | | | | | | | | |
| Faith | 70 | -5 | 84 | 55 | N/A | 15.31 | 11.22 | 0.54 | 1.16 | 1,421 | -116 |
| Milesville | 72 | -3 | 94 | 57 | N/A | 21.78 | 13.01 | 5.95 | 2.49 | 1,501 | -77 |
| Philip | 73 | -2 | 92 | 58 | N/A | 16.79 | 10.78 | 2.89 | 1.10 | 1,507 | -76 |
| Rapid City | 70 | -3 | 85 | 51 | N/A | 17.95 | 14.49 | 4.34 | 5.13 | 1,235 | 33 |
| Spearfish | 71 | -2 | 97 | 56 | N/A | 16.82 | 9.30 | -1.33 | -2.39 | 1,355 | -3 |
| Central | | | | | | | | | | | |
| Chamberlain | 74 | -1 | 87 | 59 | N/A | 24.55 | 16.35 | 6.85 | 4.40 | 1,545 | -5 |
| Highmore | 68 | -5 | 84 | 52 | N/A | 19.21 | 10.98 | 4.10 | 0.76 | 1,424 | -69 |
| Huron | 73 | -1 | 85 | 60 | N/A | 27.29 | 18.19 | 10.71 | 7.21 | 1,688 | 126 |
| Onida | 73 | -1 | 84 | 56 | N/A | 20.07 | 12.24 | 4.27 | 2.02 | 1,503 | 7 |
| Pierre | 72 | -4 | 85 | 58 | N/A | 21.79 | 13.10 | 5.73 | 2.11 | 1,553 | -84 |
| East Central | | | | | | | | | | | |
| Brookings | 70 | -1 | 82 | 50 | N/A | 30.11 | 20.36 | 13.26 | 8.58 | 1,514 | 139 |
| Forestburg | 72 | -3 | 84 | 58 | N/A | 29.23 | 19.09 | 11.58 | 7.44 | 1,750 | 58 |
| Madison | 71 | 0 | 83 | 59 | N/A | 24.48 | 15.16 | 5.68 | 2.95 | 1,525 | 147 |
| Mitchell | 75 | 0 | 88 | 62 | N/A | 29.97 | 19.87 | 11.97 | 7.94 | 1,819 | 202 |
| Sioux Falls | 72 | -2 | 84 | 55 | N/A | 29.01 | 17.73 | 10.42 | 5.78 | 1,649 | 90 |
| Southwest | | | | | | | | | | | |
| Custer | 64 | -3 | 81 | 45 | N/A | 14.90 | 11.35 | -0.99 | 0.21 | 835 | -176 |
| Hot Springs | 71 | -1 | 89 | 50 | N/A | 22.70 | 16.91 | 8.91 | 6.99 | 1,353 | -176 |
| Oelrichs | 73 | -2 | 92 | 55 | N/A | 20.04 | 13.90 | 6.12 | 4.24 | 1,376 | -151 |
| Porcupine | 73 | -1 | 94 | 50 | N/A | 20.34 | 10.58 | 6.17 | 0.69 | 1,346 | -148 |
| South Central | | | | | | | | | | | |
| Kennebec | 73 | -4 | 89 | 56 | N/A | 24.32 | 16.71 | 9.64 | 6.35 | 1,724 | -38 |
| Mission | 73 | -1 | 95 | 57 | N/A | 19.23 | 11.87 | 3.16 | 0.50 | 1,424 | -49 |
| Murdo | 74 | -2 | 93 | 58 | N/A | 21.05 | 12.49 | 4.61 | 1.60 | 1,591 | 43 |
| Winner | 75 | -2 | 93 | 59 | N/A | 18.45 | 11.23 | -1.73 | -2.55 | 1,625 | -160 |
| Southeast | | | | | | | | | | | |
| Academy | 72 | -2 | 88 | 59 | N/A | 20.88 | 13.70 | 2.76 | 1.44 | 1,601 | 68 |
| Centerville | 73 | -2 | 86 | 59 | N/A | 18.84 | 9.47 | -0.31 | 4.00 | 1,666 | 19 |
| Pickstown | 73 | -2 | 89 | 60 | N/A | 20.69 | 12.45 | 2.43 | 0.04 | 1,605 | -70 |
| Vermillion | 75 | -1 | 89 | 58 | N/A | 26.56 | 16.58 | 7.01 | 3.67 | 1,951 | 64 |
| Yankton | 75 | 0 | 90 | 60 | N/A | 31.42 | 18.94 | 12.02 | 5.88 | 1,784 | 97 |

DATA AND MAP SOURCE: State Climate Office of South Dakota