AGRICULTURAL SUMMARY
The last week has brought varying levels of precipitation to most areas of the state. With 5.2 days suitable for fieldwork, major farm activities included caring for livestock, cutting silage and preparing to seed winter wheat.

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

WEATHER INFORMATION
Several isolated but heavy precipitation-producing storms hit South Dakota during the week, according to the State Climate Office of South Dakota. Flash flooding caused damage in Piedmont, Hermosa and Mobridge. These towns and several others experienced some of the heaviest rainfall during the week as amounts over 4 inches occurred mostly over the weekend. The above locations, McIntosh, Mobridge, Faulkton, Custer, Oelrichs and some other isolated areas were the biggest winners of the week with precipitation totals in the vicinity of 3 to 4 inches or more. Much of the state received at least some precipitation, helping the overall dry conditions.

Weekly average temperatures showed an interesting contrast with stations roughly in the northeast half below average and stations in the southwest half above average. Temperatures peaked well above 100°F at many locations last week again.

Despite the rainfalls, many locations are still far behind average on growing season precipitation. In contrast many locations show well above average growing season precipitation because of the several extremely heavy events during the season.

SOIL CONDITION
Soil moisture conditions have shown strong improvements, which should benefit the row crops. Topsoil moisture was rated at 65 percent adequate to surplus, up from last week’s 49 percent and last year’s 37 percent. Subsoil moisture was rated at 55 percent adequate to surplus, up from last week’s 44 percent and last year’s 23 percent.

FIELD CROPS REPORT
The corn crop is rated as 76 percent in or past the dough stage, which marks a 35 percentage point jump from last week’s rating, placing it ahead of last year’s 70 percent and the five-year average of 58 percent. Soybeans are rated as 90 percent setting pods, slightly behind last year, but the same as the five-year average. Three percent of the soybean crop is in the stage of dropping leaves, behind last year’s 7 percent and the average of 6 percent. Sorghum is nearly all headed at 96 percent. Sorghum coloring is rated as 38 percent, which is behind last year’s 52 percent, but ahead of the five-year average of 31 percent. Sunflowers are rated at 89 percent blooming, slightly ahead of the 86 percent five-year average, but only 16 percent have ray flowers dry, which is slightly behind the normal of 21 percent. The small grain harvest is virtually complete, with barley 97 percent harvested and spring wheat 96 percent harvested. Both are slightly ahead of the five-year average.

LIVESTOCK, PASTURE, AND RANGE REPORT
Alfalfa, as well as, range and pasture conditions have responded to the recent rainfall with slight improvements. Alfalfa condition improved from 41 percent good to excellent last week to 43 percent this week. Meanwhile, range and pasture conditions also improved from 41 percent good to excellent to 43 percent. Some areas of the state have had cooler-than-average temperatures, allowing livestock a reprieve from the heat.

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**Crop Progress as of August 19, 2007**

<table>
<thead>
<tr>
<th>Item</th>
<th>This Week</th>
<th>Last Week</th>
<th>Last Year</th>
<th>5-Yr. Avg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barley</td>
<td>97</td>
<td>80</td>
<td>95</td>
<td>89</td>
</tr>
<tr>
<td>Oats</td>
<td>100</td>
<td>95</td>
<td>99</td>
<td>96</td>
</tr>
<tr>
<td>Spring Wheat</td>
<td>96</td>
<td>90</td>
<td>100</td>
<td>94</td>
</tr>
<tr>
<td>Corn</td>
<td>76</td>
<td>41</td>
<td>70</td>
<td>58</td>
</tr>
<tr>
<td>Wheat</td>
<td>28</td>
<td>20</td>
<td>29</td>
<td>17</td>
</tr>
<tr>
<td>Mature</td>
<td>4</td>
<td>1</td>
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<td>0</td>
</tr>
<tr>
<td>Silage Harvested</td>
<td>5</td>
<td>4</td>
<td>21</td>
<td>10</td>
</tr>
<tr>
<td>Soybeans</td>
<td>90</td>
<td>84</td>
<td>96</td>
<td>90</td>
</tr>
<tr>
<td>Setting Pods</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>6</td>
</tr>
<tr>
<td>Coloring</td>
<td>96</td>
<td>92</td>
<td>96</td>
<td>89</td>
</tr>
<tr>
<td>Silage Harvested</td>
<td>38</td>
<td>17</td>
<td>52</td>
<td>31</td>
</tr>
<tr>
<td>Sunflower</td>
<td>89</td>
<td>63</td>
<td>89</td>
<td>86</td>
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<tr>
<td>Bloomings</td>
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<td>2</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Hay</td>
<td>7</td>
<td>1</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Alfalfa</td>
<td>54</td>
<td>32</td>
<td>39</td>
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**Crop and Livestock Conditions as of August 19, 2007**

<table>
<thead>
<tr>
<th>Item</th>
<th>V Poor</th>
<th>Poor</th>
<th>Fair</th>
<th>Good</th>
<th>Excel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barley</td>
<td>97</td>
<td>80</td>
<td>95</td>
<td>89</td>
<td></td>
</tr>
<tr>
<td>Oats</td>
<td>100</td>
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<td>Wheat</td>
<td>28</td>
<td>20</td>
<td>29</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>Mature</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Silage Harvested</td>
<td>5</td>
<td>4</td>
<td>21</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Soybeans</td>
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<td>90</td>
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<tr>
<td>Setting Pods</td>
<td>3</td>
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<td>6</td>
<td></td>
</tr>
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<td>Coloring</td>
<td>96</td>
<td>92</td>
<td>96</td>
<td>89</td>
<td></td>
</tr>
<tr>
<td>Silage Harvested</td>
<td>38</td>
<td>17</td>
<td>52</td>
<td>31</td>
<td></td>
</tr>
</tbody>
</table>

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**Soil Moisture Condition Comparison as of August 19, 2007**

<table>
<thead>
<tr>
<th>Rating</th>
<th>Topsoil This Week</th>
<th>Topsoil Last Year</th>
<th>Subsoil This Week</th>
<th>Subsoil Last Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very Short</td>
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<td>32</td>
<td>14</td>
<td>47</td>
</tr>
<tr>
<td>Short</td>
<td>21</td>
<td>32</td>
<td>31</td>
<td>40</td>
</tr>
<tr>
<td>Adequate</td>
<td>61</td>
<td>35</td>
<td>51</td>
<td>23</td>
</tr>
<tr>
<td>Surplus</td>
<td>4</td>
<td>2</td>
<td>4</td>
<td>0</td>
</tr>
</tbody>
</table>

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**Feed and Water Supplies Comparison as of August 19, 2007**

<table>
<thead>
<tr>
<th>Rating</th>
<th>Feed Supplies This Week</th>
<th>Feed Supplies Last Year</th>
<th>Stock Water Supplies This Week</th>
<th>Stock Water Supplies Last Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very Short</td>
<td>2</td>
<td>18</td>
<td>13</td>
<td>16</td>
</tr>
<tr>
<td>Short</td>
<td>13</td>
<td>35</td>
<td>27</td>
<td>17</td>
</tr>
<tr>
<td>Adequate</td>
<td>79</td>
<td>46</td>
<td>56</td>
<td>62</td>
</tr>
<tr>
<td>Surplus</td>
<td>6</td>
<td>1</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

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### Accumulated Precip Departure from Normal

**for Jul 21 to Aug 19, 2007**

**Northwest**
- Bisson: 69
- Butte: 71
- Dupree: 72
- McIntosh: 66
- Newell: 75
- Timber Lake: 70

**North Central**
- Aberdeen: 67
- Faulkton: 68
- Mobridge: 70
- Rosebud: 67

**Northeast**
- Britton: 66
- Clear Lake: 67
- Sisseton: 65
- Watertown: 67
- Webster: 66

**West Central**
- Faith: 72
- Miles City: 76
- Philip: 77
- Rapid City: 78
- Spearfish: 72

**Central**
- Chamberlain: 74
- Highmore: 70
- Harbor: 71
- Onida: 72
- Pierre: 74

**East Central**
- Brookings: 68
- Forestburg: 73
- Madison: 70
- Mitchell: 74
- Sioux Falls: 74

**Southwest**
- Custer: 70
- Hot Springs: 78
- Oelrichs: 79
- Porcupine: 77

**South Central**
- Kennebec: 76
- Mission: 75
- Murdo: 76
- Winner: 76

**Southeast**
- Armour: 76
- Centerville: 74
- Pickstown: 76
- Vermillion: 78
- Yankton: 74

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### TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS

**Week Ending Sunday, August 19, 2007**

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- Butte: 71
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- Newell: 75
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