General: Earlier in the week, ideal weather conditions throughout the state preserved the pace of planting, according to the USDA, National Agricultural Statistics Service, North Dakota Field Office. Precipitation slowed fieldwork in some areas during the latter half of the week, according to reporters. Rain was beneficial in portions of the state as noted by reporters. Statewide, on average, there were 4.4 days suitable for fieldwork. Topsoil moisture supplies were rated 1 percent very short, 5 short, 81 adequate, and 13 surplus. Subsoil moisture supplies were rated 8 percent short, 79 adequate, and 13 surplus.

Crops: Planting of small grains and other crops continued well ahead of last year and their respective five-year (2007-2011) averages. Planting of barley reached 55 percent on Sunday, an increase of 25 percentage points from last week. Durum and spring wheat were 41 percent and 66 percent planted, respectively. Planting of oats reached 56 percent complete, which is an increase of 17 percentage points from last week. Corn was 24 percent planted, ahead of zero last year and 11 percent on average. Dry edible peas were 44 percent planted, compared with zero percent last year and 21 percent on average. Flaxseed was 25 percent planted, ahead of zero last year and 3 percent on average. Potatoes were 21 percent planted, compared with zero last year and the average of 12 percent. Planting of sugar beets reached 91 percent, which is a gain of 51 percentage points from last week.

Livestock: Calving was 85 percent complete, while lambing was 92 percent complete. Sheeping was 95 percent complete. Cow conditions were rated 1 percent poor, 6 fair, 75 good, and 18 excellent. Calf conditions were rated 6 percent fair, 71 good, and 23 excellent. Sheep conditions were rated 8 percent fair, 72 good, and 22 excellent. Lamb conditions were rated 1 percent poor, 7 fair, 67 good, and 25 excellent.

Hay and forage supplies were rated 2 percent short, 81 adequate, and 17 surplus. The percentage of feed obtained from pasture and range was 31 percent for cattle and 29 percent for sheep. Grain and concentrate supply was rated 4 percent short, 84 adequate, and 12 surplus. Pastures and ranges were rated 14 percent still dormant. Pasture and range conditions were rated 3 percent very poor, 10 poor, 19 fair, 57 good, and 11 excellent.

Soil Temperatures: On April 29, average soil temperatures ranged from a low of 44 degrees F in Baker and Bottineau to a high of 50 degrees F in Oakes. Last year on May 1, average soil temperatures ranged from 33 degrees F to 40 degrees F. These readings reflect daily average temperatures under 4 inches of bare soil recorded by the North Dakota Agricultural Weather Network (NDAWN).

Average Soil Temperatures*: April 29, 2012

<table>
<thead>
<tr>
<th>Station</th>
<th>Temperature (degrees F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORTHWEST</td>
<td></td>
</tr>
<tr>
<td>Bowbells</td>
<td>45</td>
</tr>
<tr>
<td>Minot</td>
<td>45</td>
</tr>
<tr>
<td>Williston</td>
<td>46</td>
</tr>
<tr>
<td>NORTH CENTRAL</td>
<td></td>
</tr>
<tr>
<td>Baker</td>
<td>44</td>
</tr>
<tr>
<td>Bottineau</td>
<td>44</td>
</tr>
<tr>
<td>Rolla</td>
<td>46</td>
</tr>
<tr>
<td>NORTHEAST</td>
<td></td>
</tr>
<tr>
<td>Cavalier</td>
<td>47</td>
</tr>
<tr>
<td>Grand Forks</td>
<td>49</td>
</tr>
<tr>
<td>Langdon</td>
<td>46</td>
</tr>
<tr>
<td>WEST CENTRAL</td>
<td></td>
</tr>
<tr>
<td>Turtle Lake</td>
<td>46</td>
</tr>
<tr>
<td>Waftord City</td>
<td>46</td>
</tr>
<tr>
<td>CENTRAL</td>
<td></td>
</tr>
<tr>
<td>Carrington</td>
<td>46</td>
</tr>
<tr>
<td>Streeter</td>
<td>46</td>
</tr>
<tr>
<td>EAST CENTRAL</td>
<td></td>
</tr>
<tr>
<td>Dazey</td>
<td>46</td>
</tr>
<tr>
<td>Fargo</td>
<td>49</td>
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<tr>
<td>SOUTHWEST</td>
<td></td>
</tr>
<tr>
<td>Bowman</td>
<td>47</td>
</tr>
<tr>
<td>Dickinson</td>
<td>46</td>
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<tr>
<td>SOUTH CENTRAL</td>
<td></td>
</tr>
<tr>
<td>Linton</td>
<td>47</td>
</tr>
<tr>
<td>SOUTHEAST</td>
<td></td>
</tr>
<tr>
<td>Oakes</td>
<td>50</td>
</tr>
<tr>
<td>Wyndmere</td>
<td>48</td>
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</tbody>
</table>

* Thermometers located 4 inches under bare soil.

Source: NDAWN, Department of Soil Science, NDSU.

Crop Development Progress – North Dakota

Crop Development percents represent all acreage in or beyond each stage. Progress is based on current intended acreage.

<table>
<thead>
<tr>
<th>Crop</th>
<th>April 24, 2012</th>
<th>April 22, 2012</th>
<th>April 29, 2011</th>
<th>2007-2011 Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barley</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Planted</td>
<td>55</td>
<td>29</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Emerged</td>
<td>11</td>
<td>4</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Durum wheat</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Planted</td>
<td>41</td>
<td>35</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Emerged</td>
<td>12</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Spring wheat</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Planted</td>
<td>66</td>
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<td>20</td>
</tr>
<tr>
<td>Emerged</td>
<td>25</td>
<td>12</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Oats</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Planted</td>
<td>56</td>
<td>39</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Emerged</td>
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<td>6</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Canola</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Planted</td>
<td>17</td>
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<td>7</td>
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</tr>
<tr>
<td>Emerged</td>
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<td></td>
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</tr>
<tr>
<td>Corn, all</td>
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<td></td>
</tr>
<tr>
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<td>24</td>
<td>8</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>Emerged</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dry edible beans</td>
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<tr>
<td>Planted</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dry edible peas</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Planted</td>
<td>44</td>
<td>27</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Emerged</td>
<td>5</td>
<td>1</td>
<td>1</td>
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</tr>
<tr>
<td>Flaxseed</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Planted</td>
<td>25</td>
<td>16</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Emerged</td>
<td>5</td>
<td>1</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Potatoes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Planted</td>
<td>25</td>
<td>19</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Emerged</td>
<td>5</td>
<td>1</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Soybeans</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Planted</td>
<td>1</td>
<td></td>
<td>1</td>
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</tr>
<tr>
<td>Sugar beets</td>
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<td></td>
</tr>
<tr>
<td>Planted</td>
<td>91</td>
<td>40</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td>Emerged</td>
<td>5</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Sunflower</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Planted</td>
<td>2</td>
<td>1</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>

*Represents zero. (NA) Not available.

Livestock Condition

North Dakota: April 29, 2012

<table>
<thead>
<tr>
<th>Livestock Condition</th>
<th>Very poor</th>
<th>Poor</th>
<th>Fair</th>
<th>Good</th>
<th>Excellent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cows</td>
<td>1</td>
<td>6</td>
<td>75</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>Calves</td>
<td>1</td>
<td>6</td>
<td>71</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>Sheep</td>
<td>1</td>
<td>6</td>
<td>72</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>Lambs</td>
<td>1</td>
<td>7</td>
<td>67</td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

*Represents zero.

Spring Wheat Planted – North Dakota

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent Planted</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>24</td>
</tr>
<tr>
<td>2011</td>
<td>21</td>
</tr>
<tr>
<td>Average</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent Planted</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>24</td>
</tr>
<tr>
<td>2011</td>
<td>21</td>
</tr>
<tr>
<td>Average</td>
<td></td>
</tr>
</tbody>
</table>

Sugarbeets Planted – North Dakota

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent Planted</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>24</td>
</tr>
<tr>
<td>2011</td>
<td>21</td>
</tr>
<tr>
<td>Average</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent Planted</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>24</td>
</tr>
<tr>
<td>2011</td>
<td>21</td>
</tr>
<tr>
<td>Average</td>
<td></td>
</tr>
</tbody>
</table>

North Dakota Crop, Livestock, & Weather Report

USDA, NASS
North Dakota Field Office
Cooperating With: NDSU Extension Service, Farm Service Agency, ND Ag Weather Network (NDAWN)

UND Aerospace Regional Weather Information Center

Released: April 30, 2012
For Week Ending: April 29, 2012
**NORTH DAKOTA CROP WEATHER REPORT**, Week Ending April 29, 2012

**Soil Moisture Supplies**

North Dakota: April 29, 2012

<table>
<thead>
<tr>
<th>Date</th>
<th>April 29, 2012</th>
<th>April 22, 2012</th>
<th>April 29, 2011</th>
<th>2007-2011 Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>(percent)</td>
<td>(percent)</td>
<td>(percent)</td>
<td>(percent)</td>
<td></td>
</tr>
<tr>
<td>Topsoil</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Very Short</td>
<td>5</td>
<td>15</td>
<td>1</td>
<td>13</td>
</tr>
<tr>
<td>Short</td>
<td>60</td>
<td>67</td>
<td>44</td>
<td>58</td>
</tr>
<tr>
<td>Adequate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surplus</td>
<td>13</td>
<td>12</td>
<td>55</td>
<td>23</td>
</tr>
<tr>
<td>Subsoil</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Very Short</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Short</td>
<td>5</td>
<td>12</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Adequate</td>
<td>79</td>
<td>76</td>
<td>53</td>
<td>57</td>
</tr>
<tr>
<td>Surplus</td>
<td>13</td>
<td>11</td>
<td>47</td>
<td>20</td>
</tr>
</tbody>
</table>

- Represents zero.

**Weather:** Temperatures were above normal across the south and near to above normal across the north. Precipitation was above normal across much of the west and central and below normal in the east. Monday was dry with highs in the 70s to 80s. There were a few showers in the south central area of a southeast on Tuesday with highs in the 70s to low 90s. Highs on Wednesday were in the mid-60s to low 80s with dry conditions. There were showers in parts of the west, central, and southeast on Thursday with highs in the upper 40s to upper 60s. Highs on Friday were in the 40s to 50s with showers across much of the state. Highs on Saturday were in the 40s to 50s with showers across much of the west, central, and southeast. A few snow showers mixed in with the rain in parts of the west on Saturday. There were scattered showers across the state on Sunday with highs in the upper 40s to low 60s.

**Outlook, April 30-May 6:** Temperatures will be above normal across much of the state. Precipitation will be near to above normal statewide. There will be a chance of showers and thunderstorms in the northwest and north central on Monday with highs in the mid-60s to low 70s. Highs on Tuesday will be in the mid-60s to mid-70s with a chance of showers and thunderstorms across much of the state. Wednesday will be dry with highs in the mid-60s to low 70s. Highs on Thursday will be in the 60s to low 70s with a chance of showers and thunderstorms across much of the northwest, central, and east. There will be a chance of showers and thunderstorms across much of the state on Friday and Saturday with highs in the 60s to low 70s. Highs on Sunday will be in the upper 50s to mid-60s with a chance of showers statewide.

**Temperature & Precipitation:** Districts and Stations

North Dakota, Week ending April 29, 2012

<table>
<thead>
<tr>
<th>District Averages</th>
<th>Average Temperature</th>
<th>Seasonal Precipitation Beginning April 1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Past Week</td>
<td>Depart Normal</td>
</tr>
<tr>
<td></td>
<td>(degrees F)</td>
<td>(inches)</td>
</tr>
<tr>
<td>Northwest(1)</td>
<td>57</td>
<td>10</td>
</tr>
<tr>
<td>N. Central(2)</td>
<td>53</td>
<td>6</td>
</tr>
<tr>
<td>Northeast(3)</td>
<td>50</td>
<td>3</td>
</tr>
<tr>
<td>W. Central(4)</td>
<td>59</td>
<td>10</td>
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<tr>
<td>Central (5)</td>
<td>55</td>
<td>7</td>
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<tr>
<td>E. Central(6)</td>
<td>52</td>
<td>4</td>
</tr>
<tr>
<td>Southwest(7)</td>
<td>60</td>
<td>13</td>
</tr>
<tr>
<td>S. Central(8)</td>
<td>59</td>
<td>10</td>
</tr>
<tr>
<td>Southeast(9)</td>
<td>56</td>
<td>7</td>
</tr>
</tbody>
</table>

- Precipitation amounts may vary due to an inaccurate snowfall melt. Normal is the 1971-2000 average. Weather data collected from NDAWN stations and compiled by UND Aerospace Regional Weather Information Center.

**Temperature & Precipitation:** Districts and Stations

North Dakota, Week ending April 29, 2012

<table>
<thead>
<tr>
<th>Stations by District</th>
<th>Temperature past week</th>
<th>Seasonal precipitation beginning April 1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>High</td>
<td>Low</td>
</tr>
<tr>
<td></td>
<td>(degrees F)</td>
<td>(inches)</td>
</tr>
<tr>
<td>(1) Bowbells.........</td>
<td>84</td>
<td>28</td>
</tr>
<tr>
<td>(2) Williston.........</td>
<td>87</td>
<td>34</td>
</tr>
<tr>
<td>(3) Mohall............</td>
<td>85</td>
<td>28</td>
</tr>
<tr>
<td>(4) Minot.............</td>
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<td>29</td>
</tr>
<tr>
<td>(5) Baker.............</td>
<td>80</td>
<td>26</td>
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<tr>
<td>(6) Bottineau.........</td>
<td>82</td>
<td>22</td>
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<tr>
<td>(7) Rugby.............</td>
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<td>27</td>
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<td>(8) Cando.............</td>
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<tr>
<td>(9) Cavalier..........</td>
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<td>(13) St. Thomas.......</td>
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<td>(15) Turtle Lake.....</td>
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<td>(16) Watford City....</td>
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<tr>
<td>(17) Carrington......</td>
<td>80</td>
<td>27</td>
</tr>
<tr>
<td>(18) Harvey...........</td>
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</tr>
<tr>
<td>(19) Jamestown.......</td>
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</tr>
<tr>
<td>(20) Robinson........</td>
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<tr>
<td>(21) Streeter.........</td>
<td>80</td>
<td>31</td>
</tr>
<tr>
<td>(22) Dazeys...........</td>
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<tr>
<td>(23) Fargo............</td>
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<td>(24) Hillsboro........</td>
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</tr>
<tr>
<td>(25) Beach............</td>
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<td>34</td>
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<tr>
<td>(26) Bowman..........</td>
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<tr>
<td>(27) Dickinson.......</td>
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<tr>
<td>(28) Hettinger.......</td>
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<tr>
<td>(29) Edgeley.........</td>
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<tr>
<td>(30) Oakes............</td>
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<td>34</td>
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<tr>
<td>(31) Wyndmere.........</td>
<td>77</td>
<td>33</td>
</tr>
</tbody>
</table>

- Precipitation amounts may vary due to an inaccurate snowfall melt. Normal is the 1971-2000 average. Weather data collected from NDAWN stations and compiled by UND Aerospace Regional Weather Information Center.