Cold Temperatures Slowing Growth Progress

Many growers around the state are hoping for warmer temperatures to help with the maturity of their crops. The past week remained cool and dry with the central part of the state receiving the most precipitation totaling less than an inch. Across the reporting stations, precipitation totals ranged from 0.94 inches in Eau Claire to 0.03 inches in Madison. Average temperatures last week were 5 to 7 degrees below normal. Average high temperatures ranged from 65 to 73 degrees, while average low temperatures ranged from 42 to 48 degrees. On average, there were 6.1 days suitable for fieldwork.

If you are interested in further weather data, please reference the following sites:
http://www.noaa.gov/
http://www.aos.wisc.edu/~sco/
http://www.cocorahs.org/
http://www.weather.gov/

Corn emergence rose to 86 percent complete this past week, an increase of 15 percentage points from a week ago. Overall, the corn that is up was reported as having a good color, but warm weather was needed to keep it that way. Some weeds were beginning to be sprayed and there were a few farmers putting in corn after taking their first cutting of hay.

Soybeans planted was 88 percent complete, while soybeans emerged was 58 percent complete. Cool weather and little precipitation has affected the growth of soybeans like it has for corn. For the most part, the soybeans that have already emerged were reported as looking good. Continuing cool conditions could result in problems with maturity later on.

Oats headed was reported as 2 percent complete throughout the state. Early planted oats were looking good while some later planted oats were reported as struggling a bit.

Haying was in full swing as first cutting hay was reported as 51 percent complete, jumping up 32 percentage points from a week ago. First crop hay yields were reported as average while quality ranged from ok to excellent with the majority reported as very good. Some farmers are waiting for their cut hay that is down in the fields to dry out. Rain will be needed for second crop hay.

Peas were blooming nicely and snap beans were looking good. Some farmers were finishing up potato hilling.

### Wisconsin Crop Conditions as of June 7, 2009

<table>
<thead>
<tr>
<th>Item</th>
<th>V.-poor</th>
<th>Poor</th>
<th>Fair</th>
<th>Good</th>
<th>Excellent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winter Wheat</td>
<td>1</td>
<td>8</td>
<td>21</td>
<td>56</td>
<td>14</td>
</tr>
<tr>
<td>Oat</td>
<td>0</td>
<td>3</td>
<td>20</td>
<td>64</td>
<td>13</td>
</tr>
<tr>
<td>Pasture</td>
<td>4</td>
<td>12</td>
<td>22</td>
<td>54</td>
<td>8</td>
</tr>
<tr>
<td>Corn</td>
<td>0</td>
<td>3</td>
<td>21</td>
<td>66</td>
<td>10</td>
</tr>
</tbody>
</table>

Source: USDA, NASS, Wisconsin Field Office.

### Percentage of Corn and Soybeans Emerged

- **Corn Emerged**
- **Soybeans Emerged**

Source: USDA, NASS, Wisconsin Field Office.
Quotes from Farm Reporters and County Ag Agents

BARRON-C.P.: First crop alfalfa is very good. We need rain badly.

POLK-C.S.: Crops are hurting, we need rain. First crop yields are below average. Fields that were cut 10 days ago are not growing.

WASHBURN-K.S.: There are some reports of light frost damage on corn and soybeans. Hay yields are variable, but overall slightly below average. With the dry weather there is beginning to be concern about herbicide activity, and stress on crops. Soil moisture is going fast, and rain is needed.

CLARK-A.K.: Corn and soybeans look good. First crop alfalfa seems to be in excellent shape. First crop grass hay is short and thin.

VILAS-L.K.: The crops are all planted but now we need some warm days; moisture is good. Temperatures are still in the low 30’s at night.

SHAWANO-J.N.: To say it is cool is an understatement. It has been cold with high temperatures struggling to reach 50 degrees this past weekend. Emergence of corn and soybeans has been good, although they have been taking their time to come up. First crop hay has come off fast and seems to have good tonnage, and with the moisture that we have been receiving second crop should have a good start, however a warm rain would be nice. Most pre-emerge herbicides have been applied in a timely manner, and application of round-up will start soon. In the past few days I have noticed that some winter wheat is very close to heading out.

EAU CLAIRE-R.S.: Crops look good at this point but there is no moisture reserve. We need a rain on a regular basis.

MONROE-P.B.: Hay harvest is moving rapidly with yields good to very good. Hay quality is still very good with minimal lodging.

TREMPEALEAU-D.D.: Most all spring plantings are off to a good start. We were a bit dry, but now have adequate moisture. Peas are blooming nicely and snap beans look real good. First crop alfalfa has been a very good crop with many acres taken without rain.

PORTAGE-J.W.: Potatoes look great. Corn needs warm weather. There is a frost watch for cranberries. Hay making for bunker silos has good quality but fewer yields.

WALWORTH-P.R.: There are still wet spots in fields that probably will not get planted, the ground is still cool. Alfalfa looks very good and first harvest should have good yields and quality.

Robert J. Battaglia                     Craig Christianson
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Wisconsin Weekly Weather, Selected Cities, Ending as of 7:00 a.m. on June 7, 2009

<table>
<thead>
<tr>
<th>City</th>
<th>Temperature</th>
<th>Growing degree days (modified base 50) 1/</th>
<th>Precipitation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Avg. max.</td>
<td>Avg. min.</td>
<td>High max.</td>
</tr>
<tr>
<td>Eau Claire</td>
<td>70</td>
<td>43</td>
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<tr>
<td>Green Bay</td>
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<td>La Crosse</td>
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<td>Madison</td>
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<tr>
<td>Milwaukee</td>
<td>65</td>
<td>45</td>
<td>81</td>
</tr>
</tbody>
</table>

1/Formula used: GDD = (daily maximum (86°) + daily minimum (50°))/2.50; where 86° is used if the maximum exceeds 86° and 50° is used if the minimum falls below 50°. *Normal based on 1971-2000 data. Source: NCEP/NOAA Climate Prediction Center <http://www.cpc.ncep.noaa.gov>.

n.a. = not available. T = trace. Source: USDA, NASS, Wisconsin Field Office.