Soils Warm Slowly

There were 1.7 days suitable for fieldwork for the week ending April 7, 2019, according to the USDA’s National Agricultural Statistics Service. Spring crept slowly into the fields of Wisconsin this week. Overnight lows fell into the teens and twenties early in the week but were warmer by the weekend. Days ranged from the 40s to 60s with a mix of sun, clouds and light rain. Soil conditions remained too wet and cold for planting across most of the state, though manure applications were ongoing where fields could support machinery. Pastures and overwintered crops were just beginning to green up in some areas but remained dormant in others. A few reporters in southern Wisconsin noted the first seedings of oats and alfalfa had begun on well-drained soils. Reporters in northern Wisconsin, however, noted that little fieldwork was possible due to partially frozen ground, mud and standing water. Snow and high winds forecast for the coming week raised concerns for spring calving and farm structures already damaged by heavy snow in February and March.

Topsoil moisture supplies were rated 0 percent very short, 1 percent short, 54 percent adequate and 45 percent surplus. Subsoil moisture supplies were rated 0 percent very short, 0 percent short, 57 percent adequate and 43 percent surplus.

As of April 7, spring tillage was 1 percent complete statewide, equal to last year and the 5-year average. Reporters comments that only the best-drained fields were being worked.

Oats planted were reported as 1 percent complete, the same progress as last year.

The maple syrup season continued with reports of inconsistent flow.
BARRON-T.B.: Snow continues to melt but is still visible on north facing areas. Frost is still coming out of the ground and very little field activity is happening. Maple sap tappers report inconsistent flow and most agree that sugar quality is very good. Growers continue to work on equipment but are getting anxious to begin the growing season.

RUSK-G.P.: Snow continues to melt with rain over the weekend. Frost is still in the ground indicated by all the standing water. Snow predicted for the end of the week so winter continues to hold on. No tillage, no manure spreading, no nothing with the ground so soft. A bit of frost seeding going on when we have a cold night and frozen ground in the morning. Heard peepers for the first time last night, but with colder weather coming that will slide back.

CLARK/PRICE/TAYLOR-D.M.: Rain over the weekend and a possible snow storm later this week may delay ability to get in the fields.

FLORENCE/MARINETTE-S.R.: No activity yet, other than a small amount of manure spreading.

MONROE-B.H.: A few folks were able to haul some manure on fields that are coarse textured soils and they are able to drive on. Some of the Amish farmers are doing some tillage with their horse drawn equipment.

ST CROIX-S.T.: Too early to really know pasture and winter wheat conditions.

PORTAGE/WOOD-J.W.: Manure hauling and feeding cattle are the major activities for this week. Very wet yet. Frogs started croaking this weekend and tree buds are swelling, all good signs.

CALUMET-K.P.: The fields are still too wet to begin working land, but manure hauling has begun in a few areas. Cover crops and winter wheat have started to emerge.

FOND DU LAC/WASHINGTON-B.B.: Things are slowly warming up and drying off. Some manure applications were made to the higher of fields but that was about it for fieldwork.

LAFAYETTE-B.L.: Alfalfa and winter wheat came through the winter better than what was expected because of the ice. Some anhydrous going on now, with new seeding going in also.

VERNON-K.L.: The week had much colder and windier condition than forecasted. Several small showers of rain. Still frost in the ground in several areas. No flooding to date. Grasses slow in greening up. Some manure being spread on fields.

DODGE-R.J.: This week was still colder than average. We received very little rain this week, which helped drain some of the overly wet areas. It is still too soon to determine the condition of the winter wheat and pastures.

WALWORTH-N.W.: Some producers are thinking about starting anhydrous application. Still wet in some spots.

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**Wisconsin Weekly Weather, Selected Cities, Ending as of 7:00 a.m. on April 7, 2019**

<table>
<thead>
<tr>
<th>City</th>
<th>Temperature</th>
<th>Growing degree days (modified base 50°F)</th>
<th>Precipitation</th>
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<tr>
<td></td>
<td>Avg. max.</td>
<td>Avg. min.</td>
<td>High max.</td>
</tr>
<tr>
<td>Eau Claire</td>
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<td>28</td>
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<tr>
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<td>Milwaukee</td>
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<td>34</td>
<td>58</td>
</tr>
</tbody>
</table>

1/ Formula used: \( GDD = \frac{(\text{daily maximum (96°}) + \text{daily minimum (50°)})}{2} - 50 \), where 96° is used if the maximum exceeds 86° and 50° is used if the minimum falls below 50°.


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