Some areas of Minnesota experienced high winds, hail, or torrential rains limiting the number of days suitable for fieldwork to 3.8 for the week ending July 21, 2019, according to USDA’s National Agricultural Statistics Service. Crop development progressed this week given the well above average temperatures statewide.

**Topsoil moisture** condition was rated 0 percent very short, 3 percent short, 65 percent adequate and 32 percent surplus. **Subsoil moisture** condition was rated 1 percent very short, 4 percent short, 64 percent adequate and 31 percent surplus.

Silked corn, at 21 percent, was 10 days behind last year and 1 week behind the 5-year average. Corn condition was rated at 57 percent good to excellent, a slight decrease from the previous week. **Soybeans** blooming reached 47 percent this week, 8 days behind last year and the average. Soybean condition rated 60 percent good to excellent.

Virtually all of the **spring wheat** crop has headed. Spring wheat turning color progressed to 48 percent this week, 3 days behind normal. Spring wheat condition rated 85 percent good to excellent. **Oats** were nearly all headed this week. Oats coloring were 51 percent complete, 5 days behind normal. Oat condition was rated 67 percent good to excellent, decreasing from the previous week. **Barley** was nearly all headed this week. Barley turning color reached 55 percent, 2 days behind normal. Barley condition rated 80 percent good to excellent.

**Dry edible bean** blooming reached 47 percent complete, 5 days behind the average. Dry edible bean setting pods progressed to 11 percent this week, 1 day behind normal. Dry edible bean condition was rated 69 percent good to excellent, improving from the previous week. **Sunflower** condition rated 83 percent good to excellent, increasing from the previous week. **Potato** condition rated 95 percent good to excellent. **Sugarbeet** condition was rated 76 percent good to excellent.

The second cutting of alfalfa hay reached 63 percent this week, 4 days behind normal. All hay condition rated 76 percent good to excellent, declining from the previous week. **Pasture condition** rated 73 percent good to excellent, falling compared to last week.
Minnesota Temperatures and Precipitation for the week ending July 21, 2019

Average Temperature (°F): Departure from 1981-2010 Normals
July 15, 2019 to July 21, 2019

Accumulated Precipitation (in)
July 15, 2019 to July 21, 2019

National Weather Service data, courtesy of the Minnesota Department of Natural Resources State Climatology Office, is available at:
http://www.dnr.state.mn.us/climate/historical/summary.html

Growing Degree Days can be found at https://mrcc.illinois.edu/U2U/gdd/

Temperature and Precipitation Maps, courtesy of the Midwestern Regional Climate Center, are available at: http://mrcc.isws.illinois.edu/CLIMATE/