



Minnesota Crop Progress & Condition

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Cooperating with the Minnesota Department of Agriculture

For the week ending July 21, 2019
Issued July 22, 2019

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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.

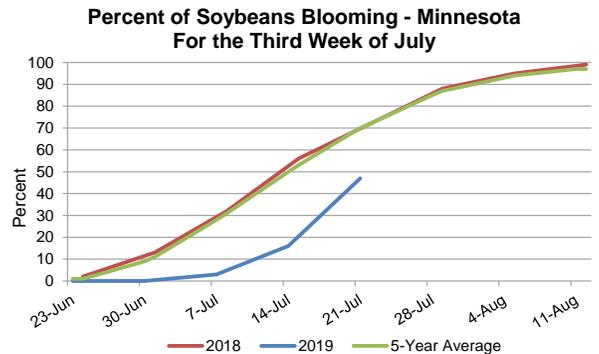
Topsoil moisture condition was rated 0 percent very short, 3 percent short, 65 percent adequate and 32 percent surplus. **Subsoil moisture** condition was rated 1 percent very short, 4 percent short, 64 percent adequate and 31 percent surplus.

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.



Crop Condition as of July 21, 2019

Item	Very poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Barley	1	1	18	71	9
Corn	3	8	32	47	10
Dry edible beans	2	3	26	57	12
Hay, all	1	3	20	65	11
Oats	2	3	28	55	12
Pasture and range	1	4	22	58	15
Potatoes	0	0	5	54	41
Soybeans	2	7	31	52	8
Spring wheat ..	0	1	14	75	10
Sugarbeets	3	5	16	9	67
Sunflowers	0	0	17	72	11

Crop Progress as of July 21, 2019

Item	This week	Last Week	Last Year	5-yr Avg
	(percent)	(percent)	(percent)	(percent)
Barley coloring	55	28	74	63
Corn silking	21	2	72	56
Dry edible beans blooming	47	18	66	67
Dry edible beans setting pods	11	0	23	16
Hay, alfalfa, second cutting	63	42	75	71
Oats coloring	51	23	69	68
Soybeans blooming	47	16	71	70
Spring wheat coloring	48	20	70	57

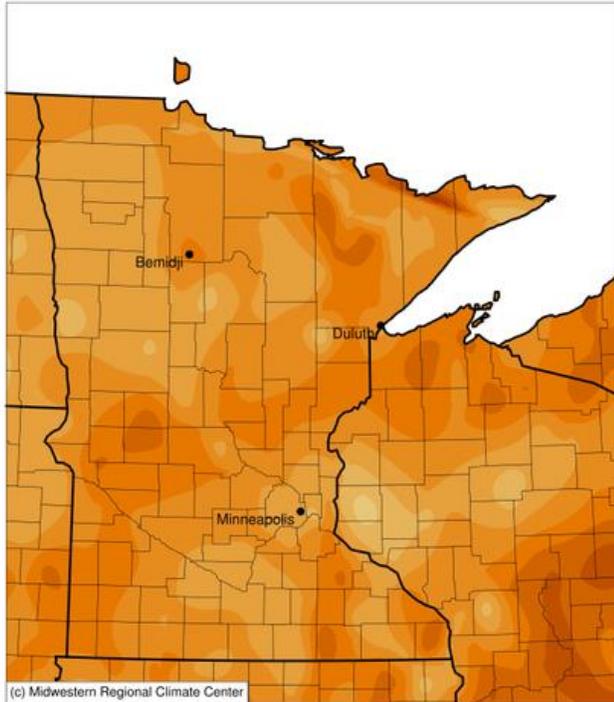
Days Suitable for Fieldwork and Soil Moisture Condition as of July 21, 2019

Item	This week	Last Week	Last Year
	(days)	(days)	(days)
Days suitable	3.8	4.3	4.6
	(percent)	(percent)	(percent)
Topsoil moisture			
Very short	0	0	1
Short	3	3	6
Adequate	65	68	68
Surplus	32	29	25
Subsoil moisture			
Very short	1	0	0
Short	4	3	5
Adequate	64	70	66
Surplus	31	27	29

Minnesota Temperatures and Precipitation for the week ending July 21, 2019

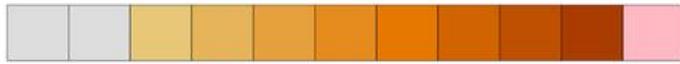
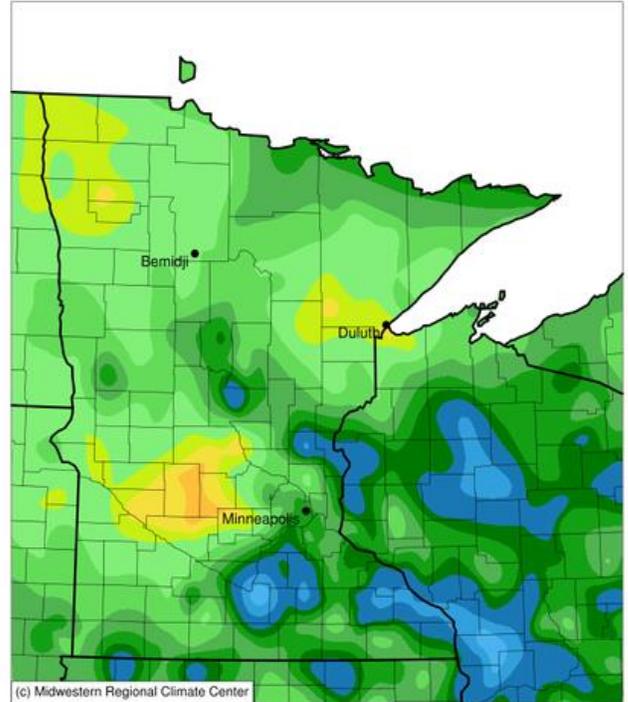
Average Temperature (°F): Departure from 1981-2010 Normals

July 15, 2019 to July 21, 2019

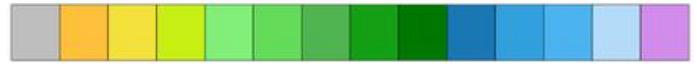


Accumulated Precipitation (in)

July 15, 2019 to July 21, 2019



0 1 2 3 4 5 6 7 8 9
 Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center
 cli-MATE: MRCC Application Tools Environment
 Generated at: 7/22/2019 8:32:24 AM CDT



0.01 0.1 0.25 0.5 1 1.5 2 2.5 3 4 5 6 8
 Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center
 cli-MATE: MRCC Application Tools Environment
 Generated at: 7/22/2019 8:31:48 AM CDT

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/>