



Minnesota Crop Progress & Condition

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Cooperating with the Minnesota Department of Agriculture

For the week ending June 30, 2019
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Minnesota farmers were busy applying chemicals and fertilizer this week with **4.1 days suitable for fieldwork** during the week ending June 30, 2019, according to USDA's National Agricultural Statistics Service. Warmer than normal temperatures over much of Minnesota aided crop development giving crops some much needed heating units.

Topsoil moisture condition was rated 0 percent very short, 4 percent short, 64 percent adequate and 32 percent surplus. **Subsoil moisture** condition was rated 0 percent very short, 3 percent short, 64 percent adequate and 33 percent surplus.

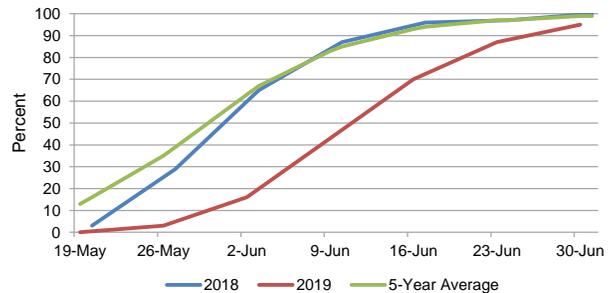
Nearly all Minnesota **corn** had emerged this week, 2 weeks behind last year and the 5-year average. Corn condition was rated at 58 percent good to excellent, slightly declining from the previous week. **Soybean** emergence reached 95 percent, 2 weeks behind last year and 12 days behind the average. Soybean condition rated 62 percent good to excellent, falling from the previous week.

Eighty-three percent of the **spring wheat** crop had jointed, 6 days behind average. Spring wheat headed reached 36 percent this week, 6 days behind normal. Spring wheat condition rated 83 percent good to excellent. **Oats** jointed stretched to 93 percent, only 1 day behind the average. Oats headed were 53 percent complete, 5 days behind normal. A few reports were received of oats turning color given the heat-up towards the end of the week. Oat condition rated 71 percent good to excellent, improving from the previous week. **Barley** jointed was 92 percent, 3 days ahead of the average, while barley headed reached 36 percent. Barley condition rated 79 percent good to excellent.

Dry edible bean emergence reached 96 percent, 1 week behind average. Limited reports of dry edible beans starting to bloom were received this week. The first condition rating of the season for dry edible beans was 1 percent very poor, 2 percent poor, 29 percent fair, 53 percent good, and 15 percent excellent. **Sunflower** condition rated 81 percent good to excellent, improving from the previous week. **Potato** condition rated 96 percent good to excellent. **Sugarbeet** condition was rated 81 percent good to excellent.

The first cutting of **alfalfa hay** was 87 percent complete, 2 days behind last year and 1 day behind the 5-year average. The second cutting of alfalfa hay kicked off this week and had progressed to 5 percent, 9 days behind normal. **All hay** condition rated 77 percent good to excellent, improving from the previous week. **Pasture condition** rated 71 percent good to excellent.

Percent of Soybeans Emerged - Minnesota
For the Fifth Week of June



Crop Condition as of June 30, 2019

Item	Very poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Barley	1	1	19	68	11
Corn	2	7	33	47	11
Dry edible beans	1	2	29	53	15
Hay, all	0	2	21	65	12
Oats	1	4	24	58	13
Pasture and range	1	3	25	57	14
Potatoes	0	0	4	61	35
Soybeans	1	5	32	53	9
Spring wheat ..	0	2	15	67	16
Sugarbeets	2	3	14	20	61
Sunflowers	0	0	19	69	12

Crop Progress as of June 30, 2019

Item	This week	Last Week	Last Year	5-yr Avg
	(percent)	(percent)	(percent)	(percent)
Barley jointing	92	75	94	89
Barley headed	36	18	64	60
Dry edible beans emerged	96	88	100	99
Hay, alfalfa, first cutting	87	74	90	89
Hay, alfalfa, second cutting	5	(NA)	20	22
Oats jointing	93	84	94	94
Oats headed	53	32	63	69
Soybeans emerged	95	87	100	99
Spring wheat jointing	83	67	97	93
Spring wheat headed	36	14	68	62

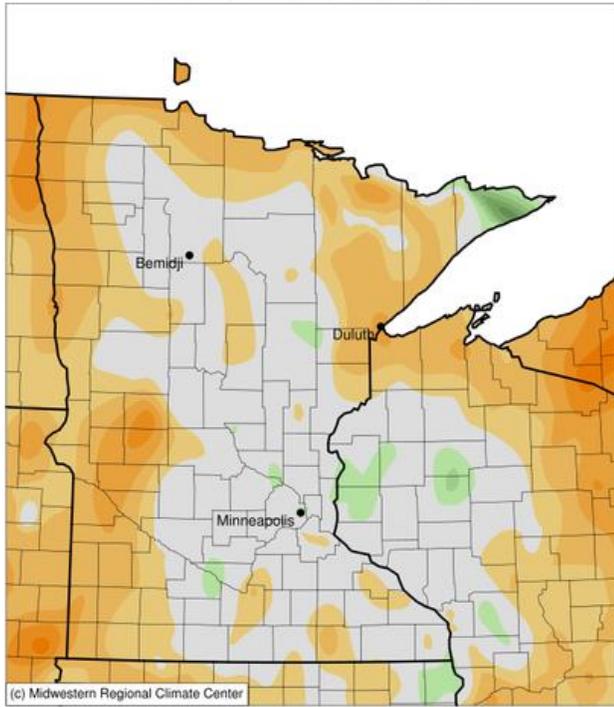
(NA) Not available.

Days Suitable for Fieldwork and Soil Moisture Condition as of June 30, 2019

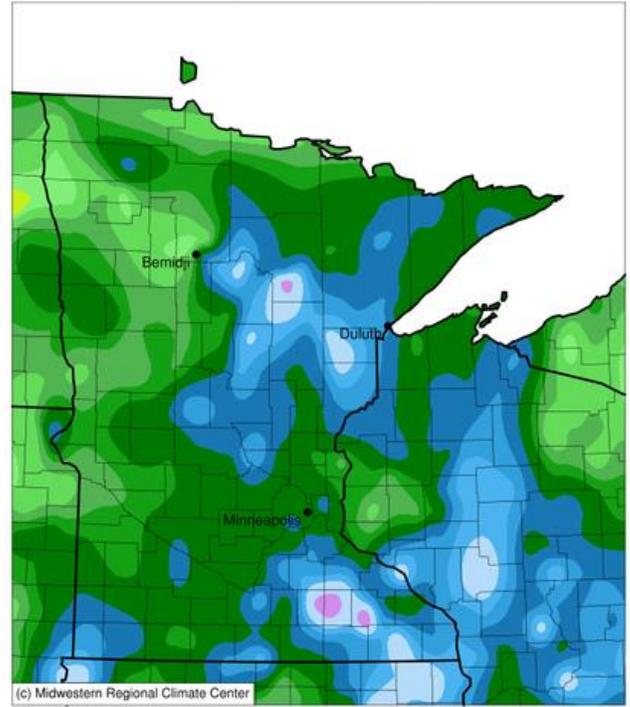
Item	This week	Last Week	Last Year
	(days)	(days)	(days)
Days suitable	4.1	4.5	3.8
	(percent)	(percent)	(percent)
Topsoil moisture			
Very short	0	0	0
Short	4	3	3
Adequate	64	72	63
Surplus	32	25	34
Subsoil moisture			
Very short	0	0	0
Short	3	3	3
Adequate	64	67	66
Surplus	33	30	31

Minnesota Temperatures and Precipitation for the week ending June 30, 2019

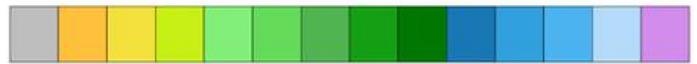
Average Temperature (°F): Departure from 1981-2010 Normals
June 24, 2019 to June 30, 2019



Accumulated Precipitation (in)
June 24, 2019 to June 30, 2019



-6 -1 4
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: 7/1/2019 11:52:19 AM CDT



0.01 0.05 0.1 0.2 0.3 0.5 0.75 1 1.5 2 2.5 3 4
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: 7/1/2019 11:51:44 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/>