



Minnesota Crop Progress & Condition

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Cooperating with the Minnesota Department of Agriculture

For the week ending July 22, 2018
Issued July 23, 2018

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Mild weather during the week ending July 22, 2018 allowed for **4.6 days suitable for fieldwork**, according to USDA's National Agricultural Statistics Service. Portions of the state began to recover from flooded fields, however, additional rainfall in some areas led to crops showing continued signs of stress. Field activities for the week included spraying, second cutting of hay, and preparing equipment for small grain harvest.

Topsoil moisture supplies were rated 1 percent very short, 6 percent short, 68 percent adequate and 25 percent surplus. **Subsoil moisture** supplies were rated 0 percent very short, 5 percent short, 66 percent adequate and 29 percent surplus.

Seventy-seven percent of the **corn** crop was in or beyond the silking stage, one week ahead of the five-year average. Corn crop condition increased slightly with a rating of 78 percent good to excellent. **Soybeans** blooming reached 74 percent, 3 days ahead of average. Thirty-five percent of soybeans were setting pods, 6 days ahead of average. Soybean condition rated 76 percent good to excellent.

Seventy-four percent of **spring wheat** was coloring, 6 days ahead of last year. Spring wheat condition rated 85 percent good to excellent. **Oats** were 98 percent headed, 5 days ahead of average. Seventy-three percent of the oat crop was in or beyond the coloring stage, 4 days ahead of average. Oats condition rated 77 percent good to excellent. **Barley** headed or beyond reached 97 percent, 3 days ahead of average. Seventy-nine percent of the barley crop was coloring or beyond, 5 days ahead of last year. Barley condition rated 85 percent good to excellent.

Days Suitable for Fieldwork and Soil Moisture Supplies as of July 22, 2018

	This Week	Last Week	Last Year	5 Yr Avg
Days suitable.....	4.6	4.7	4.5	5.0
	Very short	Short	Adequate	Surplus
	(percent)	(percent)	(percent)	(percent)
Topsoil moisture	1	6	68	25
Subsoil moisture	0	5	66	29

Crop Condition as of July 22, 2018

	Very poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Barley	0	1	14	54	31
Corn	2	4	16	52	26
Dry edible beans	2	3	13	44	38
Hay, all	1	5	16	62	16
Oats	1	3	19	60	17
Potatoes, all	0	0	6	38	56
Soybeans	1	4	19	54	22
Spring wheat	0	1	14	48	37
Sugarbeets	3	3	18	17	59
Sunflowers, all	0	0	26	50	24
Pasture and range	1	6	22	59	12

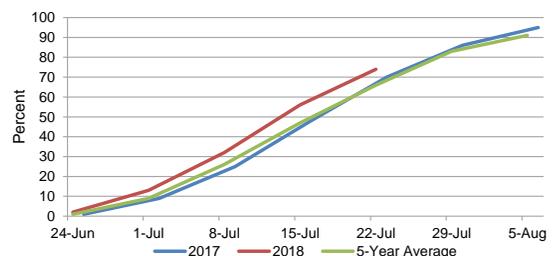
Field Work and Crop Progress as of July 22, 2018

	This Week	Last Week	Last Year	5 Yr Avg
	(percent)	(percent)	(percent)	(percent)
Barley coloring	79	45	59	58
Corn silking	77	45	55	50
Dry beans blooming	69	47	65	66
Dry beans setting pods	25	8	10	14
Hay, alfalfa, second cutting	77	61	85	67
Oats headed	98	94	100	96
Oats coloring	73	47	66	63
Soybeans blooming	74	56	67	66
Soybeans setting pods	35	15	19	19
Spring wheat coloring	74	44	50	51

Sixty-nine percent of the **dry edible bean** crop was blooming with 25 percent setting pods. Dry edible bean condition rated 82 percent good to excellent. **Sunflower** condition rated 74 percent good to excellent. **Potato** condition was rated 94 percent good to excellent. **Sugarbeet** condition was rated 76 percent good to excellent.

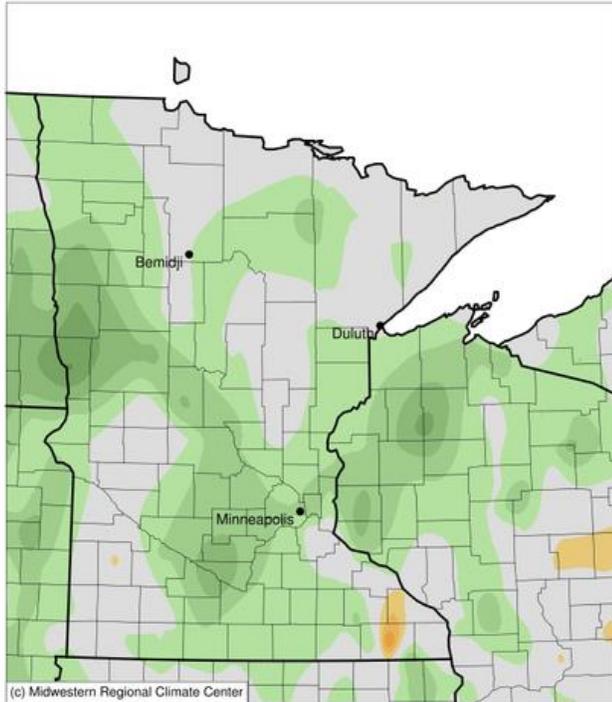
The second cutting of **alfalfa hay** was 77 percent complete, 1 week behind last year but 4 days ahead of average. **All hay** condition rated 78 percent good to excellent. **Pasture conditions** were rated 71 percent good to excellent.

Percent of Soybeans Blooming - Minnesota For the Fourth Week of July

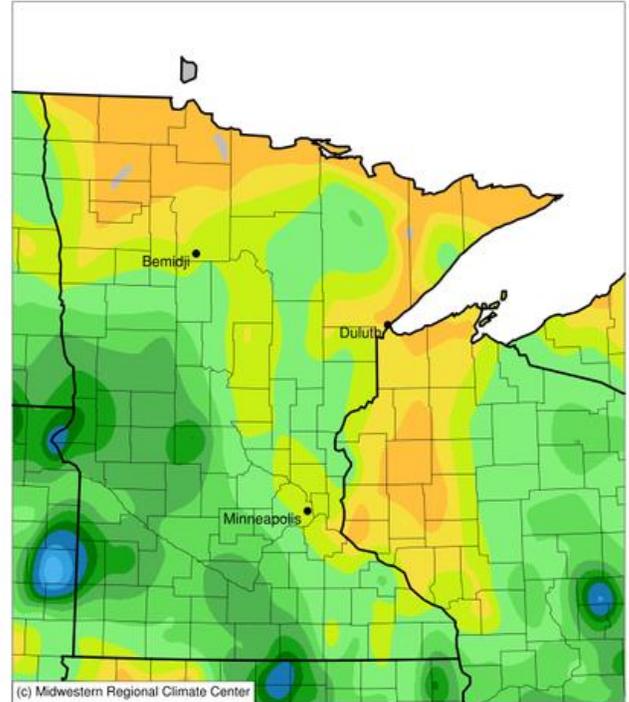


Minnesota Temperatures and Precipitation for the week ending July 22, 2018

Average Temperature (°F): Departure from 1981-2010 Normals
July 16, 2018 to July 22, 2018



Accumulated Precipitation (in)
July 16, 2018 to July 22, 2018



-5 -4 -3 -2 -1 0 1 2 3 4 5
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: 7/23/2018 9:15:43 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: 7/23/2018 9:14:32 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://mygeohub.org/groups/u2u/gdd>

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