



Michigan Crop Weather

Below Normal Temperatures

Six days were suitable for fieldwork during the week ending June 1, according to the USDA, NASS, Michigan Field Office. Precipitation varied from 0.36 inches in the south central Lower Peninsula to 0.74 inches in the west central Lower Peninsula. Average temperatures ranged from 5 degrees below normal in the west central Lower Peninsula to normal in the southeastern Lower Peninsula. Rain in some areas was welcomed by farmers this past week, but additional rain was still needed to help crop development. "More moisture and warmer temperatures are needed for hay, pasture, and spring planted crops," a farmer reported. A few cold nights this week resulted in frost in some areas of the State. "Frost on the morning of May 28 damaged some corn and soybeans in the field," another farmer reported.

Field Crops

Some frost damage was reported in various crops. **Corn** planting was all but complete. Much of the crop has emerged. Planting of **soybeans** was nearing completion, and a number of fields were emerging. Some fields will be replanted due to frost and emergence problems. **Winter wheat** was heading quickly with a few sunny days. **Alfalfa** harvest was in progress. There have been reports of below average to average yields. **Sugarbeets** received a little frost damage in more susceptible areas. **Oats** and **barley** were progressing well. **Dry bean** planting was just beginning and will continue with warmer days ahead.

Fruit

A freeze on May 28 caused some damage to fruit. Cooler temperatures slowed growth for many fruit crops across the State. **Apples** were at petal fall in the north and ranged from 8 to 12 mm in diameter in the south. Growers began to apply thinning chemicals. Codling moth numbers were increasing. **Apricots** were 1 inch in diameter in the southwest and 11 mm in the northwest. **Peaches** were at shuck split in the west central and 7 mm in diameter in the northwest. In the southwest, peaches grew to 7 mm in diameter. Peach leaf curl was identified. **Pears** ranged from 10 to 13 mm in diameter, and pear psylla activity was found in the southwest and southeast. In the west central and northwest, pears were at petal fall to fruit set. Japanese **plums** grew to 14 mm, and European plums grew to 10 mm in the southwest. Southeastern plums were 6 to 7 mm in diameter and dropping. **Sweet cherries** were at 14 to 16 mm in diameter and nearing the end of pit hardening in the southeast and the southwest, where plum curculio egg laying scars were found. In the northwest, sweet cherries were at shuck split to 9 mm in diameter. **Tart cherries** were out of shuck, with fruit size ranging from 8 to 12.5 mm in diameter in the west central. In the southeast, tart cherries grew to 11 mm in size with a fair amount of drop. **Strawberries** ranged from full bloom to fruit set. **Blueberries** continued to bloom. **Grape** shoots ranged from 1 to 3 inches in the northwest; in the southwest, Concord and Niagara shoots ranged from 6 to 8 inches.

Vegetables

The cold, dry weather continued to hamper crop development by slowing emergence and growth. A severe freeze on May 28 may have damaged some of the vegetable crops. **Asparagus** harvest was still slow due to the cool weather. **Celery** planting continued on schedule. Growth in the field was slightly behind normal especially for uncovered plantings. Cool season crops such as **cabbage** and **peas** looked good. **Carrots** were at the second to third true-leaf stage, and stands were good. Early planted **tomatoes** looked good, but dry. Some **sweet corn** has emerged, but growth was slow and anemic. **Spinach** plantings were off to an excellent start, and some growers expected to start planting **zucchini** this week.

Soil moisture for week ending 06/01/08

Stratum	Very short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil	16	37	46	1
Subsoil	6	28	65	1

Crop condition for week ending 06/01/08

Crop	Very poor	Poor	Fair	Good	Excellent
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
All Hay	2	8	37	44	9
Barley	0	1	65	32	2
Corn	2	6	29	54	9
Oats	1	4	28	59	8
Pasture	1	10	38	44	7
Winter Wheat	1	5	25	59	10

Crop progress for week ending 06/01/08

Crop	This week	Last week	Last year	5-year average
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
All hay, first cutting	27	6	24	19
Asparagus, harvested	55	48	65	62
Barley, planted	97	86	97	97
Barley, emerged	60	41	87	89
Corn, planted	98	94	96	91
Corn, emerged	80	61	80	70
Dry beans, planted	10	1	5	7
Oats, emerged	97	86	93	97
Oats, headed	1	0	4	8
Potatoes, planted	88	68	84	NA
Potatoes, emerged	34	32	55	NA
Soybeans, planted	90	80	81	73
Soybeans, emerged	46	19	53	42
Winter wheat, headed	34	1	63	47

Michigan Weather Summary for Week Ending 06/01/08 ¹

Station	Temperature			Cumulative growing degree days ²			Precipitation					
	Maximum	Minimum	Departure from normal	2008	2007	Normal	This week	Last two weeks	Last four weeks	Since April 1	Normal	
											Since April 1	For month
Ironwood	75	27		243	434		0.69	0.98	1.54	6.96		
Marquette	75	30		198	403		0.19	0.29	1.01	7.20		
Stephenson	74	28		324	498		1.81	1.81	2.66	8.46		
Western UP	77	26	-3	253	426	310	0.68	0.98	1.56	6.79	5.75	3.61
Cornell	76	29		268	417		0.62	2.55	3.24	6.93		
Sault St Marie	72	31		208	382		0.40	0.83	2.05	6.21		
Eastern UP	77	23	-2	215	386	215	0.37	1.12	2.15	6.01	5.53	3.26
Beulah	77	29		397	491		0.97	1.18	2.28	7.55		
Lake City	80	25		398	451		0.27	0.41	0.86	4.84		
Old Mission	79	28		351	456		0.25	0.47	1.00	5.67		
Pellston	73	25		345	467		1.12	2.07	2.89	6.38		
Northwest	80	25	-3	356	452	371	0.59	0.98	1.69	6.15	5.44	3.03
Alpena	82	30		361	453		0.35	0.46	1.10	3.96		
Houghton Lake	80	27		402	490		0.22	0.23	0.52	3.53		
Rogers City	80	28		372	455		0.65	0.87	1.42	4.58		
Northeast	84	27	-1	384	474	346	0.46	0.60	1.10	4.24	5.38	2.90
Fremont	80	30		452	554		0.86	0.87	1.24	5.15		
Hart	75	26		411	510		0.74	0.75	1.02	6.40		
Muskegon	73	33		399	537		0.83	0.85	1.34	4.50		
West Central	82	25	-5	422	530	425	0.74	0.76	1.32	5.58	5.95	2.94
Alma	83	33		460	582		0.24	0.26	0.74	3.51		
Big Rapids	76	29		451	515		0.62	0.64	1.18	4.38		
Central	83	29	-2	454	549	462	0.45	0.47	0.96	3.74	6.02	3.36
Bad Axe	82	32		432	472		0.62	0.71	1.45	3.71		
Pigeon	83	31		425	470		0.51	0.52	1.26	3.06		
Saginaw	85	35		490	565		0.59	0.65	1.36	3.18		
Standish	84	27		415	499		0.57	0.57	1.40	3.80		
East Central	85	27	-1	425	505	443	0.40	0.44	1.24	3.44	5.32	3.08
Fennville	76	33		422	553		0.68	0.68	2.24	5.37		
Grand Rapids	79	36		516	624		0.49	0.66	1.63	5.61		
Holland	79	38		509	632		0.24	0.62	1.92	4.45		
South Bend, IN	82	37		539	703		0.34	0.34	2.46	5.21		
Watervliet	79	37		481	616		0.38	0.43	1.91	5.47		
Southwest	83	29	-2	498	615	499	0.49	0.57	1.97	5.59	6.60	3.55
Belding	80	28		468	563		0.41	0.45	1.16	4.68		
Coldwater	82	30		497	585		0.46	0.53	1.64	3.96		
Lansing	81	31		513	586		0.01	0.13	1.09	3.42		
South Central	85	28	-2	491	592	499	0.36	0.46	1.46	3.91	6.29	3.57
Detroit	86	36		558	630		0.44	0.45	1.63	2.86		
Flint	84	31		543	575		0.16	0.31	1.02	3.13		
Romeo	79	35		469	533		0.56	0.64	1.63	3.42		
Tipton	83	33		516	599		0.12	0.16	1.54	3.01		
Toledo, OH	85	36		560	657		0.18	0.23	1.88	4.13		
Southeast	86	27	0	510	593	474	0.41	0.47	1.70	3.59	6.24	3.36

¹ Issued by the USDA, NASS, Michigan Field Office in cooperation with the U.S. Department of Commerce, Michigan State University's Cooperative Extension Service, Agricultural Meteorologist, Department of Geography, and Crop Advisory Team ALERTS.

² Growing degree days (GDD) is the sum of daily mean temperatures minus 50 per day, 86 maximum and 50 minimum. The GDD is accumulative from April 1.

USDA, NASS, Michigan Field Office
 P.O. Box 26248
 Lansing, Michigan 48909-6248
 (517) 324-5300 FAX (517) 324-5299
 E-mail: nass-mi@nass.usda.gov