



# Michigan Crop Weather

## Cool Temperatures Return

Five days were suitable for fieldwork during the week ending June 22, according to the USDA, NASS, Michigan Field Office. Precipitation varied from 0.03 inches in the west central Lower Peninsula to 0.56 inches in the northeastern Lower Peninsula. Average temperatures ranged from 5 degrees below normal in the northwestern, northeastern, west central, east central, southwestern, and south central Lower Peninsula to 2 degrees below normal in the eastern Upper Peninsula. Temperatures were cooler this week and precipitation varied across the State. Some farmers were finding it difficult to get fieldwork completed. A farmer in the southeast region stated, "Hay has been difficult to harvest. The first cutting has been delayed on many fields and hay is beginning to get over mature. Alfalfa fields that were cut early will be ready for a second cutting soon, if it quits raining." Farmers were able to get some fieldwork done following the rains received a week ago. "Weather-wise, conditions greatly improved over last week and farmers were able to get on to most of the ground and resume normal activities following last week's bad storms," a farmer in the west central region reported.

## Field Crops

Weather conditions this week were cooler than normal. Herbicide and nitrogen applications were delayed in some fields due to damp conditions. As a result, weeds were growing well. **Corn** continued to grow and the crop varies in development from 5 to 10 leaf stage. There were some reports of yellowing due to cool temperatures or denitrification. **Soybeans** stands were adequate and range from the 6 to 8 inch growth stage. There have been reports of bean leaf beetle. **Winter wheat** generally looks good. There is a concern about infection of fusarium head blight as we have had periods of moisture. This requires continued monitoring. Some **alfalfa** fields remain to be cut while early cut fields are regrowing well. Leafhoppers are present and need continued monitoring. Planting of **dry beans** was hindered in some areas due to wetness. In drier fields, planting was able to progress. **Oats** generally looked good, and disease and insect pressure remain low. **Barley** is generally in fair to good condition. **Sugarbeets** generally range in the eight to twelve leaf stage.

Soil moisture for week ending 06/22/08

Stratum	Very short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil	0	15	72	13
Subsoil	2	12	76	10

Crop condition for week ending 06/22/08

Crop	Very poor	Poor	Fair	Good	Excellent
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
All Hay	3	5	26	50	16
Barley	1	3	41	52	3
Corn	1	4	20	50	25
Oats	1	4	28	51	16
Pasture	1	3	26	58	12
Soybeans	3	6	23	48	20
Winter Wheat	1	7	25	52	15

## Fruit

**Apples** ranged from 18 mm in diameter in the northwest to 1 inch in the southwest. Fruit drop has been heavy with some apple varieties yielding a very light crop. **Blueberries** advanced rapidly in the southwest and were at small green fruit in the southeast, as brown discoloration from frost injury was evident. **Peaches** grew to 1.5 inches in the southwest, where green peach aphid populations were on the rise. Peaches grew to 1.25 inches in the southeast, where plum curculio and tarnished plant bug damage have been found. **Pear** fruit grew to 24 mm and 16 mm in the southwest and northwest, respectively. In the southeast, pears grew to 1 inch in diameter with a fair amount of pear psylla present. **Plums** grew to 1 inch in the southwest and 15 mm in the northwest. In the southeast, heavy fruit drop continued and plum curculio activity increased, as fruit grew to 1 inch in diameter. **Sweet cherries** were showing red color as harvest of early varieties began in the southwest. In the southeast, sweet cherries were 22 mm. In the northwest, sweet cherries grew to 13 mm, as bacterial canker symptoms were prevalent. **Tart cherries** were 14 mm in the southeast and were coloring in the southwest. In the northwest, tart cherries were 13 mm. **Strawberry** harvest continued with excellent fruit size and quality in the southwest. Concord and Niagara **grape** bloom ended, as wine grapes continued to bloom in the southwest.

## Vegetables

Recent heavy rains and variable temperatures have led to challenging conditions across the State as growers hoped for warmer weather to push faster growth and development. Planting schedules for processed **zucchini** were interrupted by rain. Except on heavy soils, zucchini and **pumpkin** fields planted before the heavy rain were emerging normally. **Cucumber, yellow squash** and **zucchini** were harvested from tunneled fields. **Pepper** and **eggplant** transplanting was completed, while late **Brussel sprouts, cauliflower,** and **cabbage** continued to be transplanted. No major problems were reported for **snap beans, cabbage, onions, peppers,** and **tomatoes**. Processing **tomato** planting was near completion. Early planted tomatoes were blossoming and beginning to set fruit. **Asparagus** harvest was winding down across the State and was expected to finish about one week later than last year. The early **carrot** crop was starting to fill beds; some producers were reporting thinner than normal stands and behind normal growth. **Celery** planting continued on schedule as growers caught up following wet field conditions two weeks ago. Early planted **sweet corn**, which was under tunnels or plastic, progressed beyond the silk stage. Open field sweet corn was at tassel emergence. Sweet corn that had frost injury two weeks ago has recovered well from injury. Growth remained slow due to cooler temperatures.

Crop progress for week ending 06/22/08

Crop	This week	Last week	Last year	5-year average
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
Corn, height	14	9	24	16

Percent 0 0 0 0 1 2 3 4 5 6 7 8 9 inches

**Michigan Weather Summary for Week Ending 06/22/08 <sup>1</sup>**

Station	Temperature			Cumulative growing degree days <sup>2</sup>			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	79	37		473	789		0.11	1.15	2.21	8.48		
Marquette	77	44		428	723		0.25	1.94	2.46	9.47		
Stephenson	82	45		628	823		0.06	0.38	2.49	9.14		
<b>Western UP</b>	82	37	-3	498	757	561	0.11	1.34	2.40	8.51	8.21	3.61
Cornell	79	47		543	736		0.32	1.08	2.09	8.40		
Sault St Marie	77	44		443	697		0.23	1.50	2.21	8.02		
<b>Eastern UP</b>	79	42	-2	449	691	429	0.42	1.29	2.05	7.69	7.62	3.26
Beulah	78	47		699	860		0.12	3.28	6.69	13.27		
Lake City	80	44		696	795		0.33	6.19	10.43	15.00		
Old Mission	81	47		645	808		0.16	1.50	3.14	8.56		
Pellston	78	44		633	811		0.63	2.31	3.95	9.21		
<b>Northwest</b>	81	44	-5	641	797	660	0.32	3.08	5.45	11.01	7.38	3.03
Alpena	79	44		653	810		0.53	2.00	3.50	7.11		
Houghton Lake	77	46		716	843		0.40	3.08	8.64	11.95		
Rogers City	78	44		667	807		0.51	2.25	5.13	9.06		
<b>Northeast</b>	79	40	-5	687	826	628	0.56	2.34	5.47	9.25	7.34	2.90
Fremont	79	47		795	933		0.00	0.69	4.91	9.20		
Hart	81	46		739	878		0.03	1.07	4.24	9.90		
Muskegon	75	48		751	928		0.03	0.59	4.56	8.23		
<b>West Central</b>	81	45	-5	752	906	744	0.03	1.76	5.68	10.52	7.99	2.94
Alma	81	47		832	996		0.54	1.21	3.55	6.82		
Big Rapids	81	46		808	880		0.10	1.03	3.21	6.97		
<b>Central</b>	81	45	-4	817	937	795	0.20	0.98	3.20	6.49	8.18	3.36
Bad Axe	81	50		792	869		0.54	1.71	4.24	7.33		
Pigeon	79	46		772	859		0.55	1.13	2.90	5.45		
Saginaw	80	48		878	992		0.27	1.18	3.47	6.06		
Standish	81	46		755	876		0.57	1.35	3.98	7.21		
<b>East Central</b>	81	45	-5	778	902	773	0.55	1.51	3.64	6.68	7.41	3.08
Fennville	76	48		786	936		0.28	0.65	7.96	12.65		
Grand Rapids	81	51		925	1,055		0.00	0.14	4.72	9.84		
Holland	77	52		896	1,049		0.14	0.47	7.07	11.28		
South Bend, IN	83	49		983	1,152		0.07	0.52	2.62	7.49		
Watervliet	80	50		882	1,035		0.18	0.73	4.13	9.22		
<b>Southwest</b>	83	45	-5	965	1,028	853	0.18	0.70	5.06	10.17	8.87	3.55
Belding	79	45		831	939		0.00	0.42	2.74	7.01		
Coldwater	81	47		910	971		0.54	1.96	3.11	6.61		
Lansing	80	46		916	995		0.06	0.50	3.48	6.89		
<b>South Central</b>	83	45	-5	883	996	855	0.18	0.86	3.77	7.32	8.58	3.57
Detroit	82	51		1,005	1,080		0.38	1.83	3.40	5.82		
Flint	80	47		960	982		0.19	1.38	3.48	6.45		
Romeo	82	49		863	924		0.16	1.15	3.05	5.91		
Tipton	81	47		918	996		0.38	2.37	3.42	6.31		
Toledo, OH	83	46		985	1,084		0.31	2.43	3.14	7.09		
<b>Southeast</b>	85	45	-4	918	1,005	821	0.34	2.26	4.06	7.24	8.48	3.36

<sup>1</sup> 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 Team25998 Tm(tension )Tj81 412.25998 T8 336 Tm(op Advisor)Tj7.98 0 0980199m(i)Tj7.9