

Michigan Crop-Weather

Normal Temperatures

Five days were suitable for fieldwork during the week ending July 2, according to the USDA, NASS, Michigan Field Office. Precipitation amounts ranged from 0.16 inches in the southwest Lower Peninsula to 1.45 inches in the northeast Lower Peninsula. Average temperatures ranged from 2 degrees below normal in the west central, southwest, south central, and southeast Lower Peninsula to 2 degrees above normal in the eastern Upper Peninsula. Hail fell in several areas, causing damage to crops. A farmer in the west central mentioned that, "On June 27, we received quarter size hail. Damage was mostly to field crops, but some fresh market zucchini did get hit." A farmer in the southeast said that, "A narrow band of hail ruined some wheat, corn, and soybeans."

Field Crops

Varied weather across the State resulted in uneven plant growth. **Corn** development was improving; growth was rapid but some variation within fields was still present. **Soybean** growth accelerated with warm conditions. Second cuttings of **hay** were growing quickly, with little damage reported due to heavy rains. Potato leafhoppers continued to be reported in many areas. Most **wheat** fields were turning and will be harvested soon. Lodging remained in some fields from earlier storms. Most **oats** had headed and looked good. **Dry bean** emergence continued. **Sugarbeet** top growth continued, and most canopies were filled.

Fruit

June drop in **apples** came to an end in the southern regions. Oriental fruit moth and codling moth trap catch numbers increased in the south. Producers continued to hand thin fruit. Apples were sizing well across the southeast with most varieties being over 1.5 inches in diameter. Leafhopper count and subsequent leaf damage increased in the west central and northwest areas. **Peach** thinning continued. Fruit exceeded 1.5 inches in diameter in the southeast, where rusty spot was discovered in some blocks. In the west central, powdery mildew and cherry leaf spot caused the loss of a significant number of leaves that might jeopardize ripening and quality of fruit. Southwestern **plum** crop shoot growth ended, so black knot was no longer a problem. White apple leafhoppers were causing stippling of the leaves. Plums in the southeast grew to 25 mm in size. **Tart cherry** harvest was underway in the south. West central producers expect to begin harvest on July 8. Cherry leaf spot and powdery mildew were a problem in the northwest. **Sweet cherry** harvest was underway in the southwest and southeast. Brown rot was identified and producers were advised to apply fungicides in the southwest. Despite fruit cracking in Reginas, Cavaliers, and Ulsters, reporters indicated that the sweet cherry crop will be good in the west central area. Fruit clusters in **grapes** in the southwest were past bloom and into the small fruit stage. Grapes in the southeast were at fruit set. Grape bloom finished up in the northwest where powdery mildew was high in most sites. **Strawberry** size dropped off, and harvest was coming to an end in the southeast. Southwestern **blueberry** harvest began for early varieties. Berries sized to 12 to 13 mm for mid-season varieties, while early varieties grew to 15 mm in the southeast. Growers and scouts were encouraged to position blueberry maggot fly traps.

Vegetables

Vegetable crops progressed well throughout the State. **Summer squash** and **zucchini** harvest volume increased with non-tunnel fields being harvested. **Cucumbers** continued to progress and harvest began on those grown in tunnels. **Carrot** plants continued to grow. **Celery** continued to develop. **Cabbage** harvest continued. Some **onion** bulbs started to develop. Early seeded **pumpkin** plants were developing well and began to vine in some fields. **Potatoes** looked good with very few pests. **Sweet corn** was progressing with some reports of pollination. **Tomatoes** continued to grow with good quality fruit setting. Harvest was nearing but some fields were damaged by hail. **Peppers** were in early bloom and looked good.

Soil moisture for week ending 07/02/06

Stratum	Very short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil	4	27	62	7
Subsoil	3	17	73	7

Crop condition for week ending 07/02/06

Crop	Very poor	Poor	Fair	Good	Excellent
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
All Hay	1	6	26	54	13
Barley	0	26	47	25	2
Corn	1	11	28	53	7
Dry beans	0	4	16	69	11
Oats	1	11	27	51	10
Pasture	2	10	33	42	13
Soybeans	1	8	33	54	4
Winter Wheat	1	4	23	64	8

Crop progress for week ending 07/02/06

Crop	This week	Last week	Last year	5-year average
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
Corn, height	27	20	31	24
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
All hay, first cutting	89	86	89	83
All hay, second cutting	20	5	19	9
Dry beans, emerged	98	80	87	82
Oats, headed	86	74	95	73
Oats, turning yellow	6	NA	13	11
Strawberries, harvested	65	45	86	90
Tart cherries, harvested	15	NA	16	7
Winter wheat, turning yellow	92	60	84	66

Michigan Weather Summary for Week Ending 07/02/06 ¹

Station	Temperature			Cumulative growing degree days ²			Precipitation					
	Maximum	Minimum	Departure from normal	2006	2005	Normal	This week	Last two weeks	Last four weeks	Since April 1	Normal	
											Since April 1	For month
Ironwood	83	43		903	908		0.26	0.51	1.63	7.75		
Marquette	86	44		818	825		0.17	0.52	1.45	9.53		
Stephenson	86	45		939	970		0.20	0.20	0.36	6.54		
Western UP	87	43	0	868	868	705	0.20	0.46	1.51	7.67	9.46	3.42
Cornell	85	48		851	830		0.83	1.22	1.95	8.41		
Sault St Marie	81	51		796	783		0.12	0.17	0.40	4.71		
Eastern UP	88	39	2	789	773	560	0.69	0.95	1.45	7.71	8.97	3.19
Beulah	84	51		959	1,039		0.14	1.14	2.21	8.58		
Lake City	82	50		929	983		1.67	2.99	4.37	13.64		
Old Mission	86	53		926	967		0.12	0.21	1.47	6.34		
Pellston	83	47		948	971		0.48	0.55	0.89	6.64		
Northwest	86	47	0	904	963	824	0.65	1.14	2.58	9.10	8.53	2.99
Alpena	84	52		939	889		1.88	2.02	2.50	8.15		
Houghton Lake	83	50		981	997		2.35	2.91	3.84	10.00		
Rogers City	84	52		960	915		1.27	1.64	2.32	8.39		
Northeast	85	50	1	968	963	785	1.45	1.94	2.61	8.89	8.40	3.18
Fremont	84	52		1,048	1,131		0.19	0.75	2.33	9.82		
Hart	82	51		953	1,078		0.58	1.16	3.53	11.67		
Muskegon	84	53		1,006	1,126		0.07	0.39	1.51	8.96		
West Central	84	44	-2	991	1,096	922	0.24	0.71	2.26	9.69	8.98	2.54
Alma	86	49		1,113	1,123		0.48	1.22	2.43	9.97		
Big Rapids	86	49		1,107	1,065		0.47	1.21	2.23	8.97		
Central	86	49	-1	1,099	1,092	978	0.48	1.23	2.27	9.57	9.44	2.97
Bad Axe	88	56		1,023	1,025		0.73	1.23	1.85	7.71		
Pigeon	87	55		1,045	994		0.76	1.27	1.60	8.20		
Saginaw	88	53		1,063	1,060		0.09	0.49	0.79	9.23		
Standish	89	50		1,014	976		0.74	1.85	2.15	11.70		
East Central	89	50	0	1,017	1,027	958	0.60	1.46	1.91	8.97	8.48	2.92
Fennville	87	50		982	1,149		0.04	0.09	1.15	8.48		
Grand Rapids	93	53		1,140	1,190		0.06	0.14	0.51	8.88		
Holland	90	54		1,088	1,190		0.11	0.17	0.26	4.55		
South Bend, IN	92	50		1,176	1,288		0.31	0.56	2.10	9.98		
Watervliet	90	51		1,114	1,222		0.16	0.31	1.17	6.96		
Southwest	93	47	-2	1,101	1,205	1,050	0.16	0.28	0.89	6.85	10.17	3.09
Belding	89	49		1,069	1,108		0.00	0.74	1.50	7.80		
Coldwater	89	51		1,113	1,141		0.25	1.47	2.38	7.98		
Lansing	91	53		1,124	1,185		0.01	0.72	1.58	8.16		
South Central	91	49	-2	1,112	1,178	1,050	0.29	1.37	2.07	8.09	9.90	3.22
Detroit	90	57		1,245	1,231		0.43	1.65	1.84	10.87		
Flint	86	55		1,088	1,125		0.27	2.10	3.24	10.78		
Romeo	89	52		1,159	1,085		0.32	1.89	2.72	9.49		
Tipton	89	50		1,117	1,175		0.08	2.60	2.86	10.59		
Toledo, OH	91	56		1,251	1,245		0.47	3.99	4.52	12.54		
Southeast	91	50	-2	1,153	1,175	1,018	0.45	2.37	2.95	10.32	9.63	3.11

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.

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