

Michigan Crop-Weather

Cool and Dry

Six days were suitable for fieldwork during the week ending August 13, according to the USDA, NASS, Michigan Field Office. Precipitation amounts ranged from none in the northeastern, central, and east central Lower Peninsula to 0.23 inches in the eastern Upper Peninsula. Average temperatures ranged from 2 degrees below normal in the northeastern and east central Lower Peninsula to normal in the western Upper Peninsula and the northwestern, west central, central, southwestern, and southeastern Lower Peninsula. The dry weather helped improve small grain and hay harvest. Most reporters mentioned they had sufficient soil moisture, while other reported a need for more rain. A farmer in the west central mentioned that, "We are at a point where we need rain; only 0.5 inches in the last two weeks and less than 2 inches in the last month. Some soybeans and corn on the lighter soils are stressed from heat and lack of moisture; however, overall crops are looking good." A farmer in the southeast said that, "Conditions improved greatly over last week's heat and flooding. Temperatures have been comfortable and no significant rain fell, allowing the ground to dry out. Crops look good except where they were under water for a significant period of time."

Field Crops

Across the State, temperatures cooled and soils dried. **Corn** continued to grow and more than half of the fields were in the dough stage. Most fields were showing good growth. Some fields were reported to be under stress from lack of rain. **Soybean** fields were also reported to be stressed in dry areas. Third cuttings of **hay** continued. **Oat** harvest continued. **Barley** was in good condition. Most **dry beans** were setting pods. **Sugarbeet** growth continued.

Soil moisture for week ending 08/13/06

Stratum	Very short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil	5	40	54	1
Subsoil	4	28	67	1

Crop condition for week ending 08/13/06

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	7	28	41	23
Barley	1	25	41	31	2
Corn	1	4	22	49	24
Dry beans	1	11	17	55	16
Pasture	3	14	30	37	16
Soybeans	1	5	23	52	19

Fruit

Apple growers across the State saw codling moth populations increase, apple maggot emergence continue, and Japanese beetle populations remain strong last week. Red Delicious apples in the Flint area were mostly 2.5 inches. Other apple varieties were 2.75 inches or greater in size. Jersey mac harvest was underway in the southeast. **Peach** harvest continued in the south. Brown rot was evident on fruit in some blocks, especially where spraying was light. **Plum** harvest continued throughout the week. Growers were encouraged to protect against brown rot and to watch for potato leafhoppers, deer damage, and Japanese beetles. **Tart cherry** harvest was nearing completion in the northwest. Powdery mildew could be found in nearly every northwestern cherry orchard. Brown rot and cherry leaf spot lesions were also present. **Pears** in the southeast were about 2.5 inches in diameter, while those in the northwest were 1.75 inches. **Blueberry** harvest continued in the southwest and southeast. Berry size and quality were excellent. **Grape** clusters were forming nicely in the south. Grape berry moth trap catches were up in the southwest. Powdery mildew and Japanese beetles were common in vineyards across the State.

Vegetables

Warm weather advanced growth in vegetable crops. **Watermelon** and **cantaloup** harvest began in the southwest. **Celery** harvest continued on or ahead of schedule in some areas. **Carrot** harvest continued. **Pumpkin** plant growth continued with fruits evident in most fields. **Onion** crops continued to progress well. **Pepper** harvest continued. The hot weather caused **sweet corn** to mature quickly, and many producers hurried to keep up with harvest. Harvest of **cucumbers**, **yellow squash** and **zucchini** slowed in some areas. Signs of viral activity were still evident in some cucumber and zucchini fields. **Potato** harvest continued on an as needed basis in the southeast. **Tomatoes** for fresh market harvest continued with good size and quality, while growth of processing tomatoes advanced.

Crop progress for week ending 08/13/06

Crop	This week	Last week	Last year	5-year average
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
All hay, second cutting	86	75	87	82
All hay, third cutting	43	24	34	21
Blueberries, harvested	52	44	79	NA
Corn, silked	96	94	99	91
Corn, dough	55	22	52	20
Corn, dent	6	NA	3	1
Dry beans, setting pods	98	66	89	61
Dry beans, turning leaves	5	NA	6	2
Oats, harvested	76	53	85	62
Peaches, harvested	32	24	49	NA
Potatoes, harvested	15	6	9	NA
Soybeans, blooming	98	89	99	93
Soybeans, setting pods	82	64	87	70
Tart cherries, harvested	95	88	100	99

Michigan Weather Summary for Week Ending 08/13/06 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	81	45		1,737	1,733		0.21	1.31	3.65	12.56		
Marquette	84	43		1,586	1,634		0.11	0.35	1.71	12.06		
Stephenson	82	42		1,760	1,771		0.00	1.48	4.12	10.85		
Western UP	84	42	0	1,674	1,686	1,379	0.20	1.23	3.10	12.13	14.21	3.69
Cornell	81	45		1,682	1,685		0.22	1.05	3.66	13.90		
Sault St Marie	81	48		1,595	1,611		0.40	1.51	3.42	8.80		
Eastern UP	83	36	-1	1,579	1,569	1,192	0.23	1.75	3.43	12.06	13.42	3.53
Beulah	81	50		1,848	1,948		0.46	1.45	3.43	12.36		
Lake City	80	38		1,750	1,812		0.01	1.31	2.66	16.97		
Old Mission	84	48		1,797	1,835		0.00	0.90	1.95	8.42		
Pellston	80	32		1,783	1,818		0.15	2.08	4.04	11.15		
Northwest	84	32	0	1,752	1,817	1,559	0.11	1.27	3.02	12.50	12.60	3.11
Alpena	83	42		1,816	1,738		0.00	1.34	3.25	12.26		
Houghton Lake	81	36		1,817	1,856		0.00	1.20	2.18	12.65		
Rogers City	82	39		1,782	1,798		0.00	1.21	2.44	10.00		
Northeast	83	36	-2	1,813	1,807	1,511	0.00	1.22	2.61	11.99	12.71	3.12
Fremont	83	49		1,971	2,050		0.05	0.62	3.42	15.17		
Hart	85	49		1,857	1,965		0.12	0.63	4.69	17.05		
Muskegon	84	50		1,987	2,102		0.00	0.87	3.67	13.84		
West Central	87	42	0	1,918	2,006	1,705	0.04	0.68	3.08	13.71	12.70	3.60
Alma	83	46		2,038	2,051		0.00	0.82	2.85	15.41		
Big Rapids	83	46		2,004	1,943		0.00	0.82	2.78	17.17		
Central	83	45	0	2,013	1,989	1,775	0.00	0.92	2.76	16.01	13.61	3.64
Bad Axe	81	46		1,932	2,003		0.00	0.78	3.55	13.16		
Pigeon	82	42		1,918	1,877		0.01	0.73	1.74	11.03		
Saginaw	85	47		2,023	2,009		0.00	0.56	1.97	13.22		
Standish	82	46		1,887	1,851		0.00	1.20	2.86	15.98		
East Central	85	42	-2	1,915	1,954	1,762	0.00	0.80	2.79	13.66	12.40	2.93
Fennville	85	50		1,929	2,106		0.00	0.39	2.82	12.42		
Grand Rapids	84	50		2,155	2,211		0.03	0.61	6.26	16.08		
Holland	84	53		2,109	2,180		0.00	0.45	1.08	7.36		
South Bend, IN	85	51		2,191	2,344		0.01	1.75	7.04	20.36		
Watervliet	84	51		2,109	2,240		0.12	1.17	3.85	12.53		
Southwest	87	48	0	2,088	2,190	1,915	0.06	0.99	3.54	12.01	14.32	3.18
Belding	83	49		1,995	2,023		0.00	1.34	2.14	12.95		
Coldwater	84	47		2,033	2,123		0.03	1.11	3.20	13.05		
Lansing	84	47		2,096	2,210		0.00	1.32	4.17	13.53		
South Central	85	45	-1	2,066	2,162	1,895	0.03	0.97	2.83	12.76	14.18	3.36
Detroit	87	55		2,313	2,327		0.00	0.50	3.42	15.72		
Flint	83	45		2,005	2,111		0.00	2.31	4.64	17.35		
Romeo	86	50		2,136	2,065		0.00	0.85	2.60	14.22		
Tipton	86	51		2,064	2,165		0.00	0.07	1.52	14.05		
Toledo, OH	83	51		2,287	2,301		0.02	0.30	3.80	18.81		
Southeast	89	45	0	2,116	2,197	1,879	0.01	1.03	3.19	15.69	13.75	3.12

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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