

Michigan Crop-Weather

Warm and Wet

Five days were suitable for fieldwork during the week ending July 30, according to the USDA, NASS, Michigan Field Office. Precipitation amounts ranged from 0.24 inches in the central Lower Peninsula to 1.59 inches in the western Upper Peninsula. Average temperatures ranged from 4 degrees above normal in the east central, south central and southeast Lower Peninsula to 7 degrees above normal in the eastern Upper Peninsula. Adequate rain and above normal temperatures helped crop growth. A farmer in the west central mentioned that, "With almost 2 inches of rain this week and hot temperatures, crops are really growing." A farmer in the southeast said that, "From June 18 to July 29, we received 8.28 inches of rain. With the warm, humid conditions, most crops are way ahead in terms of growth."

Field Crops

Rainfall was plentiful across the State. **Corn** continued to grow and most fields have silked. Rainfall has helped in most areas. Most **Soybean** fields have bloomed and were setting pods. Second and third cuttings of **hay** continued between showers. **Wheat** harvest was wrapping up, with some reported damage due to rain. **Oat** harvest continued with some delays due to rain. **Barley** was in good condition. Most **Dry beans** have bloomed, and some are setting pods. **Sugarbeet** growth continued, with some reports of Cercospora leafspot.

Fruit

Southwestern **apple** producers were concerned with oriental fruit moths and second generation flight of codling moths. Bronzing was seen in blocks where European red mite populations were present. In the southeast, powdery mildew was present in some blocks, and apple maggot emergence was prolonged by rain events. Southeastern Red Delicious apples were 2.25 to 2.50 inches in size. Codling moth and green apple aphids varied across apple blocks in the northwest. **Peaches** were coloring as the different varieties approach their harvest window in the southwest. Split pits were a problem in first picking of early varieties. Southeastern Red Havens grew to 2.25 inches. Earwigs, Japanese beetles, bacterial spot infection, and apple rust mites were present in the southeast. **Plums** continued to color in the southwest where leafhoppers, Japanese beetles, and deer were a problem. Southeastern Methley and Shiro plum harvests were underway. European plums in the southeast continued to be about 1 inch in size, as they did not size well over the last week. **Tart cherry** and **sweet cherry** producers in the southeast and southwest applied a post-harvest fungicide to protect against cherry leaf spot. In the northwest, sweet cherry harvest was near completion, and tart cherry harvest was still in progress. Brown rot was problematic in sweet cherries, and cherry leaf spot symptoms were evident in most tart cherry blocks. Heat induced ethephon problems also damaged orchards in the northwest. **Blueberry** harvest was underway in the southwest and southeast where size and quality was generally excellent. **Grapes** progressed past berry touch in the southeast. Southwestern grapes were at or past berry touch. Grape berry moth trap catches were present in the southern areas. There were over 10,000 Japanese beetles caught last week in one centralized location of the northwestern county of Leelanau. **Strawberry** plants were on the rebound from renovation and new growth was off to a good start. Potato leaf hopper burn and leaf curl were present in many fields.

Vegetables

In some areas across the State, the hot temperatures advanced growth in some vegetables and in some areas persistent rain slowed field activities. **Summer squash** harvest continued. **Zucchini and cucumber** harvest continued with virus symptoms present in some fields. **Carrots** continued to develop with some reports showing signs of disease to the crop. **Celery** harvest began in some areas. **Cabbage** continued to look good. **Onions** continued to do well and in some areas the crop was beginning to bulb. **Pumpkin** plants were setting and sizing fruit. **Potato** harvest progressed. **Sweet corn** harvest continued and many fields showed good quality. Early planted **tomatoes** and **peppers** began to harvest.

Soil moisture for week ending 07/30/06

Stratum	Very short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil	4	17	65	14
Subsoil	4	17	73	6

Crop condition for week ending 07/30/06

Crop	Very poor	Poor	Fair	Good	Excellent
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
All Hay	2	8	25	44	21
Barley	1	14	30	43	12
Corn	1	5	22	53	19
Dry beans	1	13	15	53	18
Oats	2	6	19	53	20
Pasture	3	22	26	38	11
Soybeans	2	6	23	52	17

Crop progress for week ending 07/30/06

Crop	This week	Last week	Last year	5-year average
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
Corn, height	72	62	74	65
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
All hay, second cutting	72	64	73	66
All hay, third cutting	14	5	7	3
Blueberries, harvested	33	22	43	NA
Corn, silked	84	64	91	64
Corn, dough	4	NA	4	2
Dry beans, blooming	84	47	64	42
Dry beans, setting pods	35	NA	23	12
Oats, turning yellow	91	79	98	86
Oats, harvested	16	12	38	21
Peaches, harvested	10	5	18	NA
Potatoes, harvested	5	NA	NA	NA
Soybeans, blooming	80	75	86	72
Soybeans, setting pods	42	33	55	34
Tart cherries, harvested	84	67	92	NA
Winter wheat, harvested	94	78	92	86

Michigan Weather Summary for Week Ending 07/30/06 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	95	57		1,470	1,449		2.06	2.34	3.68	11.43		
Marquette	95	51		1,340	1,338		0.98	1.36	2.18	11.71		
Stephenson	94	58		1,504	1,482		2.62	2.64	2.83	9.37		
Western UP	96	51	6	1,415	1,394	1,164	1.59	1.87	3.27	10.94	12.54	3.42
Cornell	93	58		1,415	1,373		2.20	2.61	4.41	12.82		
Sault St Marie	88	55		1,340	1,331		1.62	1.91	2.58	7.29		
Eastern UP	93	50	7	1,328	1,285	986	1.24	1.60	2.57	10.28	11.70	3.19
Beulah	86	58		1,546	1,630		1.46	1.98	2.33	10.91		
Lake City	88	57		1,482	1,535		1.25	1.35	2.02	15.66		
Old Mission	91	61		1,510	1,527		0.92	1.05	1.18	7.52		
Pellston	87	56		1,513	1,523		1.14	1.96	2.43	9.07		
Northwest	91	55	6	1,470	1,519	1,324	1.48	1.76	2.18	11.26	11.19	2.99
Alpena	89	55		1,533	1,450		1.27	1.91	2.77	10.92		
Houghton Lake	87	58		1,549	1,563		0.83	0.98	1.45	11.45		
Rogers City	89	57		1,538	1,494		0.82	1.23	1.76	10.15		
Northeast	89	52	6	1,544	1,522	1,277	0.97	1.39	2.12	11.00	11.25	3.18
Fremont	90	57		1,661	1,743		1.11	2.80	4.73	14.55		
Hart	88	60		1,552	1,661		2.64	4.06	4.75	16.42		
Muskegon	89	60		1,650	1,769		0.92	2.80	4.01	12.97		
West Central	90	48	6	1,599	1,699	1,453	1.27	2.50	3.45	13.14	11.19	2.54
Alma	90	58		1,726	1,733		0.24	2.03	4.87	14.84		
Big Rapids	92	58		1,716	1,647		0.21	1.96	4.42	13.39		
Central	92	56	5	1,710	1,683	1,521	0.24	1.84	4.85	14.42	12.06	2.97
Bad Axe	87	57		1,642	1,652		1.14	2.77	4.67	12.38		
Pigeon	87	56		1,639	1,562		0.58	1.01	2.10	10.30		
Saginaw	92	59		1,709	1,683		0.87	1.41	3.43	12.66		
Standish	89	57		1,600	1,557		1.00	1.66	3.08	14.78		
East Central	92	56	4	1,622	1,632	1,506	0.84	1.99	3.87	12.83	11.08	2.92
Fennville	88	57		1,606	1,776		0.37	2.43	3.55	12.03		
Grand Rapids	91	58		1,822	1,852		3.49	5.65	6.59	15.47		
Holland	90	59		1,758	1,840		0.94	0.94	2.68	7.22		
South Bend, IN	89	62		1,854	1,982		2.57	5.29	8.63	18.61		
Watervliet	90	59		1,775	1,888		1.12	2.68	4.40	11.36		
Southwest	91	56	5	1,757	1,852	1,637	1.29	2.58	4.09	10.93	12.94	3.09
Belding	90	54		1,690	1,709		0.18	0.80	3.81	11.61		
Coldwater	90	54		1,741	1,783		1.20	2.09	3.78	11.76		
Lansing	90	58		1,780	1,846		2.25	2.85	4.05	12.21		
South Central	90	54	4	1,748	1,820	1,625	0.99	1.86	3.47	11.56	12.79	3.22
Detroit	92	59		1,961	1,952		2.36	2.92	4.35	15.22		
Flint	89	55		1,697	1,768		1.06	2.33	4.26	15.04		
Romeo	91	54		1,790	1,716		1.21	1.95	4.20	13.57		
Tipton	91	54		1,740	1,824		0.68	1.45	3.39	13.98		
Toledo, OH	91	57		1,939	1,949		3.39	3.54	6.01	18.55		
Southeast	92	52	4	1,794	1,846	1,601	1.40	2.22	4.32	14.67	12.44	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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