

Michigan Crop-Weather

High Temperatures Return

Four days were suitable for fieldwork during the week ending May 28, according to the USDA, NASS, Michigan Field Office. Precipitation amounts ranged from 0.10 inches in the southwest Lower Peninsula to 0.91 inches in the western Upper Peninsula and central Lower Peninsula. Average temperatures ranged from 1 degree above normal in the southwest Lower Peninsula to 5 degrees above normal in the western Upper Peninsula. The week started out as cold and wet, then ended hot and humid. A farmer in the northwest mentioned that, "Very hard frost May 22 and a light frost on May 23. This really hurt emerged corn and sweet corn." A farmer in the southwest mentioned that, "Emerged corn was yellow at the beginning of the week, but was greening up now. Soil temperatures rose rapidly and field growth should move quickly now."

Field Crops

Across the State, most fieldwork resumed as rain lightened. Herbicide application resumed with the drier conditions. **Corn** planting and replanting were nearly completed. Corn that was planted before the rain emerged. Plants that had emerged turned from yellow to green with the warmer weather. **Soybean** planting continued. Some replanting will need to be done due to frost and water damage. First cuttings of **hay** were underway. **Oats** were mostly emerged and in good condition. **Barley** condition improved from previous weeks to mostly good and excellent condition. **Wheat** was heading and just starting to flower in some areas. **Dry bean** planting began.

Fruit

Apple fruit set was good in the southwest where fruit size was 10 mm in diameter. Producers began thinning. Southeastern varieties ranged from 7 to 10 mm in size. In the west central, apples were in the petal fall stage with some fruit beginning to form. Conditions for apple pollination in the northwest were very poor due to cool temperatures, moisture, and scattered frosts. **Blueberries** continued to bloom in the southern areas. **Peaches** were at 10 mm in the southwest where foliage was off-color and growing slowly due to cool weather. Southeastern peaches were still at shuck split. Peach leaf curl was identified. **Pear** fruit grew to 10 mm in the southwest and southeast. Pears in the southeast were at fruit set and ranged from 8 to 13 mm in size. Southwestern **tart cherries** were at 10 mm and relatively uniform in size. Southeastern cherries ranged from 7 to 13 mm. Green fruitworm and black cherry aphids were present in the northwest. **Sweet cherries** were at 14 mm and nearing the end of pit hardening in the southwest. Southeastern sweet cherry growth was slow where fruit progressed to 9 to 13 mm. Sweet cherries exhibited frost scars in the northwest. **Plums** were at 10 mm in the southwest where plum curculio was found. Southeastern plums were mostly 6 to 7 mm and dropping. Primary **grape** shoots in the southwest were nearly 12 inches and secondary buds were opening. Southeastern grapes progressed to 7 inches in length with flower blossoms visible. Chardonnay shoots grew slowly to 2 to 4 inches long in the northwest. **Strawberries** continued to bloom in the south.

Vegetables

Vegetable growers' planting activities continued and were progressing throughout the State. **Asparagus** harvest advanced past the midpoint with some damage to the crop due to this week's frost. Transplanting of **tomatoes**, **summer squash**, **zucchini** and **cucumbers** was well underway. **Carrot** and **celery** planting continued on schedule. **Cabbage** fields continued to progress, but maggot damage was visible on some of the crop. **Pepper** planting continued. Planting of **snap beans** was in full swing. **Pumpkins** were being seeded. **Potatoes** progressed nicely and looked good. **Sweet corn** continued to emerge. The color of early plantings improved.

Soil moisture for week ending 05/28/06

Stratum	Very short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil	0	5	56	39
Subsoil	1	6	71	22

Crop condition for week ending 05/28/06

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	4	22	56	17
Barley	1	8	19	25	47
Corn	2	8	34	46	10
Oats	1	2	16	54	27
Pasture	3	7	21	42	27
Winter Wheat	0	4	19	59	18

Crop progress for week ending 05/28/06

Crop	This week	Last week	Last year	5-year average
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
All hay, first cutting	12	1	14	8
Asparagus, harvested	53	39	45	54
Barley, planted	95	85	99	92
Barley, emerged	87	69	98	78
Corn, planted	92	85	97	84
Corn, emerged	66	52	61	53
Dry beans, planted	2	0	12	4
Oats, emerged	96	93	98	90
Potatoes, planted	84	66	85	NA
Potatoes, emerged	50	34	32	NA
Soybeans, planted	69	56	87	60
Soybeans, emerged	36	16	36	30
Winter wheat, headed	36	1	12	23

Michigan Weather Summary for Week Ending 05/28/06 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	93	28		369	311		0.89	1.17	4.70	5.85		
Marquette	86	27		307	272		0.61	1.03	6.38	7.65		
Stephenson	83	28		398	364		1.26	1.59	4.46	5.44		
Western UP	93	24	5	338	295	275	0.91	1.20	4.72	5.86	5.14	3.37
Cornell	78	28		324	270		1.85	2.24	5.37	6.81		
Sault St Marie	74	35		292	244		0.09	1.34	2.98	4.31		
Eastern UP	81	20	2	300	253	188	0.70	1.54	4.43	5.90	4.99	3.01
Beulah	87	31		405	380		0.31	0.75	3.99	6.09		
Lake City	85	30		393	335		1.95	2.57	5.22	8.90		
Old Mission	89	31		392	326		0.86	1.59	3.11	4.78		
Pellston	84	27		387	324		0.62	2.14	3.80	5.55		
Northwest	89	27	3	374	324	328	0.82	1.71	3.83	6.12	4.95	2.61
Alpena	84	33		359	278		0.39	1.72	3.32	5.05		
Houghton Lake	86	27		414	341		1.33	1.79	3.87	5.89		
Rogers City	86	30		390	297		0.56	1.68	3.41	5.50		
Northeast	88	26	4	398	329	306	0.65	1.80	3.58	5.75	4.98	2.76
Fremont	87	30		438	417		0.08	0.36	3.43	7.10		
Hart	86	28		396	385		0.08	0.41	3.32	6.34		
Muskegon	86	33		392	395		0.23	0.56	3.73	6.93		
West Central	87	28	2	410	395	375	0.34	0.65	3.45	6.67	5.53	2.67
Alma	88	32		473	423		1.00	1.58	4.53	6.81		
Big Rapids	84	32		469	382		1.00	1.50	3.95	6.03		
Central	90	30	3	466	400	411	0.91	1.41	4.19	6.53	5.60	2.79
Bad Axe	89	34		403	332		0.45	0.95	2.20	4.31		
Pigeon	91	36		421	321		0.44	1.19	3.52	5.92		
Saginaw	87	34		433	345		0.33	1.49	5.10	7.48		
Standish	90	31		429	345		0.67	1.65	5.68	8.78		
East Central	93	31	2	405	345	392	0.57	1.35	3.71	6.01	4.95	2.63
Fennville	87	32		399	438		0.06	0.47	4.82	6.87		
Grand Rapids	91	36		466	435		0.00	0.40	3.64	5.85		
Holland	89	36		441	440		0.04	0.28	1.97	3.88		
South Bend, IN	91	33		491	519		0.45	0.99	4.46	6.89		
Watervliet	91	35		461	473		0.13	0.48	3.35	5.13		
Southwest	96	31	1	454	468	444	0.10	0.39	2.90	4.74	6.11	3.01
Belding	90	30		448	406		0.14	0.57	3.65	5.88		
Coldwater	91	33		475	418		0.27	0.79	3.39	4.83		
Lansing	89	35		468	437		0.39	0.97	4.60	6.50		
South Central	92	30	2	469	452	443	0.21	0.62	3.38	5.17	5.86	2.92
Detroit	87	38		515	441		0.33	1.20	4.60	7.31		
Flint	88	32		449	408		0.99	2.66	5.27	7.48		
Romeo	88	26		464	392		0.15	0.98	3.44	6.47		
Tipton	89	38		490	457		0.87	1.48	4.73	6.05		
Toledo, OH	93	37		548	460		0.82	2.48	6.11	7.49		
Southeast	93	26	2	491	436	420	0.65	1.56	4.73	6.86	5.84	2.85

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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