



National Agricultural Statistics Service
Michigan Statistical Office
Michigan Department of Agriculture

Michigan Crop-Weather



MI-CW2505

David D. Kleweno, Director

June 13, 2005

Warm and Rainy

Five days were suitable for fieldwork during the week ending June 12, according to the USDA-NASS-Michigan Statistical Office. Precipitation amounts ranged from 0.16 in the eastern Upper Peninsula to 1.11 inches in the south central Lower Peninsula. Average temperatures ranged from 6 degrees above normal in the western Upper Peninsula to 11 degrees above normal in the central, east central, and southeast Lower Peninsula. Crops responded well to the warm temperatures and several rain showers, although other areas were missed by rain showers. A farmer in the northwest Lower Peninsula mentioned, "One-eighth to 2 inches of rain Friday night, and that difference was within 5 miles." In the south central, a farmer said, "Hot weather has really made a difference in plant growth. Pop up showers have helped, but makes it difficult to make hay."

Field Crops

Warmer weather continued across the State. Precipitation was scattered but heavy in localized areas. **Corn** growth has improved and was rapid with the warmer temperatures. Early planted corn was between 12 and 15 inches tall. **Soybean** growth has been good. There were some reports of aphids in the southeast part of the State while signs of bean leaf beetle were reported in the southwest. **Sugarbeet** growth accelerated in the warmer weather. Plant health was good. The first cutting of **alfalfa** was nearing completion in many areas of the State, although a third still remained to be cut. Second growth on early cut alfalfa appeared good despite the dry conditions. There were more reports of potato leafhopper and alfalfa weevil. **Winter wheat** continued to progress. Fields varied between heading and flowering. Some powdery mildew was evident in fields in the lower leaves. **Oats** and **barley** continued to look good.

Fruit

In the southwest, **apple** sizes were evening out as warmer temperatures caused small fruit to drop. In the southeast, apples were as large as 23 mm in size, depending on variety. There was a lot of variability in apple sizes there. Along the Ridge, most apple varieties had reached 20 mm in size, with less variability than in the southeast. In the west central, warm temperatures led to rapid fruit development. In the northwest, apples were 15 to 19 mm in size. Temperatures were ideal last week for applying thinners. **Tart cherries** were yellowing in the southwest as were early varieties of **sweet cherries**. Bacterial cankers showed up on cherries. In the southeast, tart cherries were 14 mm in size. Sweet cherries were around 16 mm but showing a lot of variability. Most were at pit hardening. In the west central, cherry pits were hardening off. In the northwest, tart cherry size varied considerably, and sweet cherries were mostly 13 to 15 mm in size. Isolated cases of cherry leaf spot were noted. In the southwest, **peaches** were an inch in diameter, with pits hardening. In the southeast, peaches were 19 mm in size. Peaches were 16 mm in the west central. **Blueberries** were larger than pea size in the southwest. In the southeast, bloom was ending and aphids were becoming apparent. Strawberry harvest was underway in the southwest, as warm temperature accelerated fruit development.

Vegetables

Vegetable crops were growing rapidly; however, some crops were being stressed due to the hot weather. **Asparagus** harvest was completed in many areas with poor quality due to high heat and lack of moisture. **Cabbage** fields looked very good at this point but some maggot damage was visible on some of the crop. **Carrot** and **onion** stands appeared to be excellent and growers continued irrigating where needed. **Potatoes** planted early were beginning to blossom and later planted fields began to emerge. **Peas** were harvested. **Sweet corn** looked good in color and plants were 6 to 8 inches tall. Many **squash**, **zucchini**, and **cucumbers** were beginning to flower and some tunnels were harvested. **Winter squash** was planted. **Tomato** planting was well ahead of schedule with some early tomatoes having fruit beginning to show. **Pepper** planting was basically completed with some fields that lack irrigation showing serious stress from the heat. **Pumpkin** seeding and transplanting was well underway.

Soil moisture for week ending 06/12/05

Stratum	Very short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil	16	23	41	20
Subsoil	13	33	41	13

Crop condition for week ending 06/12/05

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	8	35	46	10
Barley	0	1	18	68	13
Corn	0	3	30	53	14
Oats	1	4	16	66	13
Pasture	7	12	39	36	6
Soybeans	1	4	33	50	12
Winter Wheat	1	7	31	54	7

Crop progress for week ending 06/12/05

Crop	This week	Last week	Last year	5-year average
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
Corn, height	8	NA	NA	NA
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
All hay, first cutting	65	41	40	34
Asparagus, harvested	87	79	78	85
Corn, emerged	99	93	77	87
Dry beans, planted	57	25	24	23
Dry beans, emerged	15	3	NA	NA
Oats, headed	37	24	21	13
Potatoes, planted	99	95	97	97
Potatoes, emerged	77	67	78	NA
Soybeans, emerged	95	71	59	65
Strawberries, harvested	26	5	37	NA
Winter wheat, headed	97	54	93	84

Michigan Weather Summary for Week Ending 06/12/05 ¹

Station	Temperature			Cumulative growing degree days ²			Precipitation					
	Maximum	Minimum	Departure from normal	2005	2004	Normal	This week	Last two weeks	Last four weeks	Since April 1	Normal	
											Since April 1	For month
Ironwood	82	46		563	401		0.74	0.94	1.64	3.54		
Marquette	85	42		512	345		0.25	1.13	2.84	6.01		
Stephenson	89	53		561	492		1.02	1.32	2.57	5.01		
Western UP	89	42	6	521	388	435	0.72	1.29	2.36	4.79	6.97	3.61
Cornell	86	49		500	381		0.38	0.50	2.35	4.39		
Sault St Marie	83	48		468	259		0.10	0.53	0.64	3.39		
Eastern UP	86	39	9	479	307	320	0.16	0.40	1.32	3.93	6.58	3.26
Beulah	88	56		673	504		0.00	0.08	1.13	3.21		
Lake City	92	53		617	512		0.64	0.65	2.42	4.28		
Old Mission	91	50		603	445		0.11	0.33	1.44	3.25		
Pellston	90	43		595	460		0.46	0.69	1.34	3.47		
Northwest	92	43	10	601	457	516	0.39	0.49	1.53	3.40	6.51	3.03
Alpena	93	50		526	435		0.81	1.02	1.18	3.61		
Houghton Lake	90	54		626	543		0.53	0.58	1.70	3.02		
Rogers City	90	53		598	415		0.56	0.84	1.70	3.67		
Northeast	93	50	10	602	484	488	0.53	0.70	1.53	3.53	6.43	2.90
Fremont	89	58		736	646		0.50	0.54	0.88	2.35		
Hart	88	60		690	583		0.12	0.16	1.22	2.87		
Muskegon	87	62		713	652		0.00	0.01	0.52	2.67		
West Central	93	55	10	701	612	587	0.18	0.20	0.91	2.44	7.08	2.94
Alma	91	59		734	698		0.32	0.47	0.68	2.67		
Big Rapids	91	61		713	643		0.00	0.00	0.00	0.92		
Central	91	59	11	717	670	632	0.22	0.37	0.55	2.16	7.09	3.36
Bad Axe	91	60		650	574		1.67	2.66	3.20	6.06		
Pigeon	92	60		631	561		2.25	2.58	3.19	4.89		
Saginaw	92	62		665	665		0.23	1.13	1.85	4.63		
Standish	90	60		646	584		0.82	1.72	2.68	5.18		
East Central	92	55	11	630	607	612	1.10	2.05	2.94	5.39	6.35	3.08
Fennville	89	62		753	693		0.11	0.37	1.05	2.31		
Grand Rapids	88	61		763	825		4.14	5.06	5.56	7.89		
Holland	90	62		766	733		0.10	0.10	0.41	1.35		
South Bend, IN	90	63		851	902		0.64	1.59	2.11	3.50		
Watervliet	90	62		799	779		0.77	1.23	1.99	3.63		
Southwest	93	60	10	789	790	678	0.82	1.12	1.75	3.33	7.75	3.55
Belding	89	60		719	740		0.78	1.86	2.45	5.22		
Coldwater	91	61		742	750		1.02	1.40	2.07	3.67		
Lansing	91	62		760	768		3.63	4.08	4.95	6.86		
South Central	93	59	10	751	792	679	1.11	1.51	2.04	3.68	7.39	3.57
Detroit	92	65		780	821		0.65	0.69	1.73	4.29		
Flint	91	60		724	813		0.96	1.12	1.73	3.82		
Romeo	93	58		693	733		0.68	1.08	2.00	5.23		
Tipton	91	60		771	761		0.55	0.66	1.76	4.59		
Toledo, OH	94	66		793	898		0.27	0.36	1.41	4.46		
Southeast	94	58	11	746	799	649	0.76	0.98	1.93	4.91	7.28	3.36

¹ Issued by the Federal/State Michigan Agricultural Statistics Service 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.

Michigan Agricultural Statistics
P.O. Box 26248
Lansing, Michigan 48909-6248
(517) 324-5300 FAX (517) 324-5299
E-mail: nass-mi@nass.usda.gov