



Michigan Crop Weather

Hot & Dry

Six days were suitable for fieldwork during the week ending June 28, according to the USDA, NASS, Michigan Field Office. Precipitation varied from 0.03 inches in the western central Lower Peninsula to 0.38 inches in the southeast Lower Peninsula. Average temperatures ranged from 6 degree above normal in the east central, south central, south east Lower Peninsula and western Upper Peninsula to 8 degrees above normal in the eastern Upper Peninsula, and northwest and central Lower Peninsula. High temperatures and moisture has helped crop development; growth was experienced and crop conditions have improved. Standing water in fields began to dry out allowing growers to continue with second cutting hay. In areas where dry weather was needed, crop response was positive; although some areas still need rain. One grower reported, "Adequate moisture and warmer temperatures resulted in good crop growth this week. Hay harvesting is progressing with some dry hay being made between showers." Damage to flooded fields is being assessed and replanting is being considered.

Field Crops

Above average temperatures, combined with adequate soil moisture, advanced the progress of crops in much of the State. **Rye** harvest, in the southeast, is expected to begin next week. Yield potential looks great on rye. **Wheat** continued to progress and was turning in the Southeast but was variable in many other areas of the State. Reports of disease were minimal. Scouting continued for Fusarium head blight. **Oats** and **barley** development progressed. Oats ranged from beginning headed to fully headed across the state. **Soybeans** progression continued rapidly. **Corn** progressed quickly with ideal weather. First cuttings of **alfalfa** continued with some farmers receiving a second cutting. Reports of potato leafhoppers were present in re-growth. **Sugarbeets** were struggling to fight off root disease. Plantings of **dry beans** neared completion with some fields replanted. Emergence of dry beans occurred quickly.

Soil moisture for week ending 06/28/09

Stratum	Very short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil	2	11	78	9
Subsoil	1	9	78	12

Crop condition for week ending 06/28/09

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	5	26	53	14
Barley	1	3	17	66	13
Corn	2	4	23	58	13
Oats	1	3	32	55	9
Pasture	1	6	24	50	19
Soybeans	3	5	24	59	9
Winter Wheat	2	4	19	61	14

Fruit

Apples were 1.5 inches in diameter in the southwest and 19 to 25 mm in the northwest. Codling moth trap catches increased sharply. June drop ended. Apple scab infections increased with heavy rains. A substantial number of green **blueberries** were blown off bushes by strong winds. **Peaches** ranged from .75 inch in the west central to 1.75 inches in the southwest. **Pears** were .75 inch in the west central and 1.5 inches in the southwest. **Plums** were .5 inch in diameter in the west central and 16 mm in the northwest. **Raspberry** harvest began in the southwest. **Strawberry** harvest continued in southern Michigan and began in the northwest. **Sweet cherries** harvest began in the southeast and southwest; fruit was 14 to 16 mm in the northwest. **Tart cherries** were 13 mm in the northwest; they were 16 to 18 mm in the southwest, where some tree and fruit storm damage occurred. **Grape** bloom continued in the southwest.

Vegetables

The warmer weather coupled with the substantial rainfall amounts led to vigorous plant growth in many areas; however, vegetable growers in east central Michigan reported some flooding in fields, and growers in the Grand Rapids area reported losses of **celery**, **onion** and **radish** crops due to erosion and water accumulation from recent storms. In Oceana County, **asparagus** harvest was winding down while **carrot** growers monitored for pests. **Pea** harvest continued in the southwest and the Grand Rapids region. In the southeast, **cabbage**, **yellow squash**, and **zucchini** were being harvested, while in west central Michigan, zucchini, **pumpkins** and **pickles** were emerging. Direct seeding of these crops continued across the state. **Pepper** transplanting was mostly complete, and some pepper plants were in bloom. **Sweet corn** was developing rapidly with the warmer temperatures; growers across the state continued to monitor for European corn borer. **Tomato** transplanting was nearly complete; stakes and ties continued to be placed in fields, and clear plastic was removed from many fields. **Eggplant** growth improved due to warmer conditions. **Watermelon** and **cantaloup** vines were developing runners and flowering. **Potatoes** were flowering in a number of fields, with no major problems reported.

Crop progress for week ending 06/28/09

Crop	This week	Last week	Last year	5-year average
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
Corn, height	18	10	20	23
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
All hay, first cutting	76	59	75	80
All hay, second cutting	4	1	6	8
Asparagus, harvested	97	87	95	99
Dry beans, planted	95	76	88	94
Dry beans, emerged	63	31	40	67
Oats, headed	55	33	70	72
Oats, turning yellow	1	0	2	NA
Soybeans, emerged	97	89	100	97
Soybeans, blooming	3	0	3	2
Strawberries, harvested	46	31	58	73
Winter wheat, turning yellow	39	6	60	68

Michigan Weather Summary for Week Ending 06/28/09 ¹

Station	Temperature			Cumulative growing degree days ²			Precipitation					
	Maximum	Minimum	Departure from normal	2009	2008	Normal	This week	Last two weeks	Last four weeks	Since April 1	Normal	
											Since April 1	For month
Ironwood	88	48		653	567		0.35	1.07	2.05	7.39		
Marquette	86	50		546	526		0.35	1.07	2.05	7.40		
Stephenson	95	52		715	742		0.15	0.15	1.48	8.80		
Western UP	95	47	6	616	578	644	0.35	1.15	2.16	7.70	9.05	3.61
Cornell	87	51		639	642		0.29	0.40	1.21	6.94		
Sault St Marie	88	53		543	530		0.66	1.08	2.01	6.98		
Eastern UP	91	43	8	546	542	502	0.37	0.50	1.46	7.84	8.44	3.26
Beulah	90	56		777	815		0.15	0.72	2.91	8.64		
Lake City	95	51		748	803		0.19	0.53	3.17	10.16		
Old Mission	94	53		697	756		0.41	0.41	1.81	5.11		
Pellston	93	47		660	738		0.56	0.62	1.44	4.88		
Northwest	95	47	8	698	744	754	0.30	0.48	1.97	6.60	8.11	3.03
Alpena	90	54		684	768		0.44	0.74	2.40	8.36		
Houghton Lake	93	50		738	829		0.25	0.39	2.42	9.38		
Rogers City	94	53		703	711		0.27	0.54	2.25	8.32		
Northeast	96	50	7	714	789	717	0.26	0.58	2.36	8.64	7.95	2.90
Fremont	95	56		868	903		0.07	0.91	2.03	8.70		
Hart	92	57		804	827		0.02	1.13	3.24	11.64		
Muskegon	92	61		909	856		0.00	1.69	2.74	9.14		
West Central	95	51	7	850	856	846	0.03	0.99	2.81	10.04	8.57	2.94
Alma	95	57		864	954		0.16	1.61	3.44	13.05		
Big Rapids	97	54		878	941		0.00	1.47	3.18	9.61		
Central	97	54	8	868	939	901	0.08	1.42	3.04	10.38	8.96	3.36
Bad Axe	91	56		750	901		0.37	1.76	2.98	10.07		
Pigeon	92	54		749	885		0.11	2.16	3.29	10.11		
Saginaw	93	57		870	999		0.15	2.21	3.39	10.77		
Standish	95	55		780	863		0.21	1.42	3.41	9.70		
East Central	95	54	6	764	925	878	0.30	2.13	3.47	10.64	8.00	3.08
Fennville	89	59		920	889		0.35	3.78	4.67	12.48		
Grand Rapids	96	62		1,015	1,053		1.08	5.09	6.02	14.08		
Holland	94	53		1,134	1,039		0.21	8.87	10.32	20.05		
South Bend, IN	93	58		1,111	1,106		0.01	2.73	6.02	12.16		
Watervliet	93	58		999	998		0.10	2.93	4.27	11.25		
Southwest	96	53	7	1,018	1,014	965	0.18	3.47	4.84	12.40	9.69	3.55
Belding	95	55		879	938		0.06	1.87	2.84	10.50		
Coldwater	95	63		1,048	1,011		0.00	2.52	4.46	12.70		
Lansing	93	58		932	1,038		0.01	3.32	4.29	14.85		
South Central	95	55	6	947	1,007	967	0.10	3.20	4.31	12.73	9.41	3.57
Detroit	92	60		1,061	1,134		0.42	3.77	5.20	13.10		
Flint	91	56		922	1,078		0.00	4.51	6.44	14.31		
Romeo	93	57		902	983		2.59	5.07	5.78	9.61		
Tipton	93	57		988	1,041		0.05	2.41	3.93	11.82		
Toledo, OH	94	60		1,098	1,108		0.23	3.00	3.75	11.45		
Southeast	94	53	6	977	1,056	933	0.38	3.05	4.22	11.29	9.16	3.36

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.

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