



MI-CW2907

Michigan Crop Weather

July 23, 2007

Cool Temperatures

Six days were suitable for fieldwork during the week ending July 22, according to the USDA, NASS, Michigan Field Office. Precipitation varied from 0.02 inches in the west central Lower Peninsula to 0.86 inches in the southwest Lower Peninsula. Average temperatures ranged from 5 degrees below normal in the northwest, northeast, west central, and east central Lower Peninsula to 4 degrees below normal in the Upper Peninsula, central, southwest, south central, and southeast Lower Peninsula. Rainfall varied across the State, resulting in diverse field conditions. Many farmers welcomed the precipitation, which gave some crops a short break from the stress caused by drier weather. A farmer in the Upper Peninsula mentioned that, "Weather has been great. Could use a little more heat but would rather be cool and moist instead of hot and dry." Another reporter in central said that, "Rain has been spotty. Some fields are severely hurt by drought. Others are holding on from light shower to light shower."

Field Crops

Cooler temperatures and scattered rainfall brought some much needed relief to some areas across the State. However, most areas remained dry with increased concern for crop condition and quality due to the lack of rainfall. **Corn** condition continued to vary depending on the amount of rainfall received. Most fields were reported to be in the silking stage of development. **Soybeans** continued to bloom. **Oats** were turning yellow. **Dry beans** began to bloom. **Alfalfa** re-growth continued to be reported as short in the dry conditions. Harvest of the second cutting continued in some areas. **Sugarbeets** continued to add growth and fill rows in many fields. **Wheat** harvest continued.

Soil moisture for week ending 07/22/07

Stratum	Very short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil	35	45	20	0
Subsoil	33	44	23	0

Crop condition for week ending 07/22/07

Crop	Very poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
All Hay	15	31	31	21	2
Barley	1	4	33	54	8
Corn	12	20	31	32	5
Dry beans	0	8	54	35	3
Oats	5	9	45	29	12
Pasture	16	29	43	11	1
Soybeans	9	18	33	33	7
Winter Wheat	0	7	43	39	11

Fruit

Apples sizes were reported 2.0 inches to 2.50 inches. The harvest of mid-season **blueberry** varieties like Jersey and Bluecrop continued. Fruit size of Bluecrop has been variable due to a lack of leaves in some plantings. **Peach** harvesting was well underway in the southwest. While size has been variable, the fruit quality has been excellent. **Tart cherry** harvesting neared completion in the west central and accelerated in the northwest. The color and brix levels have been very good. Summer **raspberry** harvesting wound down.

Vegetables

Irrigation systems continued to run full time even though some areas received rain. **Carrot** growers continued to irrigate fields. **Celery** harvest was on schedule with good quality and yields. **Cabbage** and **lettuce** harvest continued. **Potato** harvest continued for the farmer's markets. **Sweet corn** harvest continued for fresh markets. **Watermelons** and **cantaloups** continued to size. **Cucumber** harvest continued. **Zucchini** harvest continued. **Pumpkin** and **winter squash** crops continued to size. **Tomato** and **pepper** harvest continued for fresh market. **Onions**, **leeks**, and **red beets** continued to grow on irrigated land. The late season **snap beans** continued to grow.

Crop progress for week ending 07/22/07

Crop	This week	Last week	Last year	5-year average
	Inches	Inches	Inches	Inches
Corn, height	63	56	61	55
	Percent	Percent	Percent	Percent
All hay, second cutting	65	44	63	54
All hay, third cutting	3	NA	5	1
Blueberries, harvested	29	14	20	19
Corn, silked	59	28	57	35
Dry beans, blooming	18	5	41	27
Oats, turning yellow	75	41	78	63
Oats, harvested	12	NA	11	5
Peaches, harvested	6	NA	4	3
Soybeans, blooming	70	47	68	57
Soybeans, setting pods	27	9	29	16
Tart cherries, harvested	56	42	66	51
Winter wheat, harvested	86	62	70	56

Michigan Weather Summary for Week Ending 07/22/07¹

Station	Temperature			Cumulative growing degree days ²			Precipitation				
	Maximum	Minimum	Departure from normal	2007	2006	Normal	This week	Last two weeks	Last four weeks	Since April 1	Normal
									Since April 1	For month	
Ironwood	81	39	-4	1,250	1,283	1,030	0.05	0.91	1.49	7.31	
Marquette	83	43		1,177	1,185		0.12	1.23	1.87	10.38	
Stephenson	82	42		1,281	1,328		0.00	0.68	1.25	6.93	
Western UP	86	39		1,226	1,248		0.04	0.86	1.49	6.99	11.72 3.42
Cornell	81	44	-4	1,233	1,254	860	0.42	2.32	3.56	8.44	
Sault St Marie	82	46		1,129	1,173		0.01	1.12	1.39	7.02	
Eastern UP	83	44		1,135	1,163		0.14	1.37	1.98	9.15	10.89 3.19
Beulah	83	48		1,371	1,364		0.00	2.44	3.51	11.46	
Lake City	85	41	-5	1,318	1,303	1,178	0.09	1.34	1.68	10.62	
Old Mission	83	45		1,282	1,316		0.15	1.13	1.20	5.68	
Pellston	83	41		1,284	1,336		0.23	1.51	2.09	6.51	
Northwest	85	41		1,284	1,286		0.10	1.32	1.76	8.22	10.55 2.99
Alpena	82	47	-5	1,307	1,347	1,134	0.14	1.25	4.52	12.30	
Houghton Lake	83	39		1,339	1,373		0.91	1.84	2.21	10.64	
Rogers City	83	44		1,308	1,363		0.34	1.48	2.36	10.59	
Northeast	85	39		1,319	1,359		0.35	1.47	2.57	10.87	10.42 3.18
Fremont	83	45	-5	1,480	1,470	1,300	0.02	0.85	2.90	10.63	
Hart	83	44		1,404	1,359		0.02	0.77	2.06	8.09	
Muskegon	80	49		1,500	1,450		0.04	0.46	1.12	8.14	
West Central	84	42		1,435	1,417		0.02	0.97	2.52	10.02	10.55 2.54
Alma	87	50	-4	1,575	1,531	1,362	1.12	2.32	3.19	11.22	
Big Rapids	85	45		1,458	1,395		0.78	2.02	4.87	10.10	
Central	87	45		1,506	1,470		0.74	1.74	3.09	9.54	11.38 2.97
Bad Axe	84	49		1,415	1,461		0.05	0.90	1.40	7.52	
Pigeon	85	42	-5	1,383	1,451	1,346	0.25	0.73	1.25	8.39	
Saginaw	84	49		1,572	1,522		0.53	1.42	3.28	10.17	
Standish	85	46		1,409	1,415		1.08	2.62	3.52	10.92	
East Central	85	42		1,415	1,472		0.59	1.51	2.39	9.20	10.43 2.92
Fennville	82	47	-4	1,500	1,404	1,467	0.30	0.41	0.63	7.46	
Grand Rapids	85	51		1,697	1,615		0.21	0.71	1.26	9.89	
Holland	84	48		1,657	1,549		0.24	0.48	0.96	7.91	
South Bend, IN	90	53		1,803	1,643		2.30	2.46	3.17	10.57	
Watervliet	85	50	-4	1,640	1,570	1,457	0.74	1.01	1.44	8.81	
Southwest	90	45		1,637	1,537		0.86	1.16	1.63	9.25	12.19 3.09
Belding	85	42		1,500	1,493		0.07	0.56	1.17	7.39	
Coldwater	85	47		1,535	1,530		0.31	0.58	1.56	9.30	
Lansing	86	46	-4	1,589	1,578	1,430	0.03	0.19	2.13	9.66	
South Central	86	42		1,551	1,582		0.19	0.57	1.51	9.51	11.94 3.22
Detroit	87	52		1,724	1,745	1,430	0.77	0.78	2.58	8.98	
Flint	85	45		1,564	1,504		0.80	1.46	2.33	12.23	
Romeo	87	38		1,507	1,597		1.18	1.56	2.64	12.97	
Tipton	86	52		1,560	1,548		0.64	0.64	1.83	9.97	
Toledo, OH	87	52	-4	1,714	1,727	0.55	1.13	1.19	4.30	14.07	
Southeast	90	38		1,575	1,619		0.68	1.77	9.41	11.72	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.