



MI-CW3007

Michigan Crop Weather

July 30, 2007

Mild With Little Rain

Six days were suitable for fieldwork during the week ending July 29, according to the USDA, NASS, Michigan Field Office. Precipitation varied from 0.04 inches in the eastern Upper Peninsula to 1.33 inches in the southeast Lower Peninsula. Average temperatures ranged from 2 degrees below normal in the southeast Lower Peninsula to 6 degrees above normal in the western Upper Peninsula. Rainfall was scattered around the State, giving growers varying field conditions. Many farmers appreciated the precipitation, while others continued to bear the drier weather that has been experienced lately. A farmer in the east central mentioned that, "The rainfall was very selective again this week. The driest areas were missed again and the crops are losing yield that cannot be restored." Another reporter in south central said that, "The small amount of rain revived the crops a little but if the hot dry weather persists for another week as predicted, corn production will have major negative implications."

Field Crops

Dry conditions continued across much of the State, as variable precipitation provided limited relief to crops in some areas. Varying rainfall fell short of growers' expectations as the lack of moisture continued to increase concerns for crop condition and quality. **Corn** condition varied depending on the amount of precipitation received. Field development ranged from tassel emergence to pollination. The presence of western corn rootworms were reported in some fields. **Soybeans** continued to bloom. Spider mite infestation was prevalent in many fields. Growers were advised to continue to scout fields for this pest as dry conditions persist. **Oats** continued turning yellow. Harvest began in some areas. **Alfalfa** re-growth continued to be short. Harvest of second cutting was completed in many areas; the third cutting began in fields where re-growth was sufficient. **Dry beans** continued to bloom. **Sugarbeets** continued to add growth. **Wheat** harvest was completed in many areas.

Fruit

Apples are predicted to mature a week to twelve days ahead of normal. The predicted 2007 full harvest date for Red Delicious in the Grand Rapids area, for example, is September 26; the normal date is October 5. Some early varieties were picked in the Southwest. **Blueberry** harvest continued; growers irrigated to maintain fruit size. Early season fresh market **peach** harvest continued across the State. **Sweet cherry** harvest was finished. The dry growing season kept diseases to a low level. **Tart cherry** harvesting was completed in the west central and continued in the northwest. Quality was still very good except for cherries damaged by wind whip. **Grape** berry and shoot growth have been slowed by dry conditions. Grape berry moth numbers rose. **Pears** were 2.5 inches in diameter in the southeast.

Vegetables

Cooler temperatures helped plants stressed by drought. Areas that received rains saw some additional relief. **Carrots** continued to grow with fresh market harvest to begin soon. Bacterial blight has been reported in processing carrots fields. **Celery** harvest continued with good yields. The last of the transplants has been completed. **Cabbage** and **lettuce** harvest continued. Cabbage development continued well where irrigation was available. **Potato** harvest continued for the farmer's markets. Potato Leafhopper numbers remain low. **Sweet corn** harvest continued for fresh markets. Yields were good from irrigated fields; variable from non-irrigated fields. There were some reports of Stewart's wilts causing losses. Earworm and corn borer have not been a major problem. **Watermelons** continued to size. **Cantaloup** harvest began. **Cucumber** harvest continued. Early fields of cucumbers were being removed and made ready for a second planting. Bacterial wilt and Downy Mildew was a problem in some fields. **Zucchini** and **summer squash** harvest continued. Low fresh market prices were diverting some fresh market zucchini to processing. **Pumpkins** continued to size. **Winter squash** plantings were doing well. In some areas, vine growth was less than normal with some wilting due to a lack of moisture. **Tomato** and **pepper** harvest continued with more fields coming into production. **Onions, leeks, and red beets** continued to grow. Thrips can be found in some onion fields, but were under control. **Snap beans** were in good condition, but dryland fields need moisture.

Soil moisture for week ending 07/29/07

Stratum	Very short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil	54	37	9	0
Subsoil	46	46	8	0

Crop condition for week ending 07/29/07

Crop	Very poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
All Hay	18	31	32	17	2
Barley	2	11	35	47	5
Corn	17	24	33	21	5
Dry beans	0	8	50	38	4
Oats	3	17	46	24	10
Pasture	30	35	29	6	0
Soybeans	14	21	35	22	8

Crop progress for week ending 07/29/07

Crop	This week	Last week	Last year	5-year average
	Inches	Inches	Inches	Inches
Corn, height	69	63	71	65
	Percent	Percent	Percent	Percent
All hay, second cutting	74	65	71	65
All hay, third cutting	12	3	13	6
Blueberries, harvested	35	29	31	30
Corn, silked	75	59	81	64
Corn, dough	6	0	3	2
Dry beans, blooming	53	18	79	48
Dry beans, setting pods	15	NA	33	16
Oats, turning yellow	85	75	89	82
Oats, harvested	24	12	15	17
Peaches, harvested	23	6	9	9
Soybeans, blooming	83	70	79	71
Soybeans, setting pods	45	27	41	31
Tart cherries, harvested	72	56	82	68
Winter wheat, harvested	99	86	92	82

Michigan Weather Summary for Week Ending 07/29/07¹

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	91	55	6	1,416	1,441	1,149	0.29	0.34	1.72	7.60	12.39	3.42
Marquette	91	51		1,332	1,320		0.56	0.68	2.43	10.94		
Stephenson	88	52		1,434	1,489		0.00	0.00	1.25	6.93		
Western UP	91	51		1,386	1,399		0.22	0.26	1.67	7.21		
Cornell	86	52	4	1,392	1,406	971	0.00	0.42	3.56	8.40	11.58	3.19
Sault St Marie	86	52		1,273	1,319		0.11	0.12	1.50	7.13		
Eastern UP	89	52		1,281	1,304		0.04	0.19	2.03	9.12		
Beulah	86	58		1,529	1,524		0.00	0.00	3.51	11.46		
Lake City	89	52	3	1,465	1,453	1,307	0.00	0.09	1.66	10.62	11.12	2.99
Old Mission	88	53		1,432	1,479		0.09	0.24	1.29	5.77		
Pellston	86	46		1,412	1,490		0.65	0.88	2.74	7.16		
Northwest	89	46		1,430	1,441		0.14	0.24	1.90	8.36		
Alpena	85	51	1	1,446	1,509	1,260	0.00	0.14	4.38	12.30	11.15	3.18
Houghton Lake	86	48		1,478	1,526		0.07	0.98	2.15	10.71		
Rogers City	85	49		1,446	1,524		0.07	0.41	2.38	10.66		
Northeast	86	47		1,457	1,515		0.05	0.39	2.55	10.91		
Fremont	91	51	2	1,630	1,638	1,435	0.00	0.02	2.90	10.63	11.15	2.54
Hart	86	52		1,555	1,528		0.01	0.03	2.07	8.10		
Muskegon	86	55		1,658	1,625		0.53	0.57	1.65	8.67		
West Central	91	41		1,586	1,584		0.14	0.16	2.66	10.16		
Alma	88	55	1	1,730	1,691	1,502	0.04	1.16	3.23	12.09	12.02	2.97
Big Rapids	87	50		1,601	1,566		0.47	1.25	5.28	12.95		
Central	88	50		1,654	1,634		0.55	1.29	3.59	10.90		
Bad Axe	84	48		1,564	1,626		0.00	0.05	1.40	7.45		
Pigeon	85	49	0	1,518	1,614	1,487	0.00	0.25	1.25	8.39	11.02	2.92
Saginaw	85	55		1,725	1,695		0.21	0.74	2.93	10.38		
Standish	86	49		1,539	1,575		0.00	1.08	3.16	10.92		
East Central	86	48		1,557	1,636		0.19	0.78	2.33	9.38		
Fennville	86	53	-1	1,645	1,578	1,617	0.89	1.19	1.34	8.35	12.89	3.09
Grand Rapids	90	56		1,864	1,794		0.22	0.43	1.28	10.11		
Holland	90	55		1,819	1,730		0.60	0.84	1.15	8.51		
South Bend, IN	85	58		1,961	1,824		2.71	5.01	5.66	13.28		
Watervliet	86	53	-1	1,790	1,746	1,605	0.96	1.70	2.26	9.77	12.72	3.22
Southwest	94	-40		1,788	1,711		0.86	1.72	2.34	10.22		
Belding	90	50		1,649	1,662		0.64	0.71	1.69	8.03		
Coldwater	88	51		1,681	1,698		0.28	0.59	1.06	9.58		
Lansing	87	52	-1	1,743	1,753	1,605	0.35	0.38	0.71	10.01	12.39	3.11
South Central	90	50		1,699	1,753		0.29	0.48	1.10	9.80		
Detroit	85	59		1,880	1,931		1.10	1.87	2.10	10.08		
Flint	87	51		1,713	1,670		0.03	0.83	1.83	12.26		
Romeo	85	53	-2	1,653	1,762	1,581	0.95	2.13	2.82	13.92	12.39	3.11
Tipton	85	52		1,700	1,709		1.18	1.82	2.02	11.15		
Toledo, OH	87	56		1,861	1,909		1.76	2.89	3.40	15.83		
Southeast	88	47		1,719	1,790		1.33	1.87	2.26	10.73		

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.