National Agricultural Statistics Service
Michigan Field Office
Michigan Department of Agriculture

Michigan Crop-Weather

MI-CW2006 David D. Kleweno, Director May 22, 2006

Cool Temperatures Persist

Two days were suitable for fieldwork during the week ending May 21, according to the USDA, NASS, Michigan Field Office. Precipitation amounts ranged from 0.29 inches in the western Upper Peninsula to 1.14 inches in the northeast Lower Peninsula. Average temperatures ranged from 8 degrees below normal in the southwest Lower Peninsula to 3 degrees below normal in the western and eastern Upper Peninsula. Cool temperatures, with scattered rains, slowed planting and emergence progress. Some emerged crops were showing the effects of the temperatures. A farmer in the west central mentioned that, "Corn that is up looks stunted and yellow. It should improve with the predicted warmer weather this week." A farmer in the south central mentioned that, "Rain and cooler than normal conditions have kept farmers out of the field all week. Corn and soybeans planted prior to rains of May 10 were slow to emerge."

Field Crops

Across the State, most fieldwork was halted due to continued rain. **Corn** planting was nearly completed, with farmers waiting until the soils dry to finish planting. Corn that was planted before the rain was slow to emerge and yellow in color. **Soybean** planting was stopped by rain and wet soil. Early plantings began to emerge. Most **sugarbeets** continued to emerge with few problems. Herbicide application was delayed by wet conditions. **Hay** continued to grow with first cuttings just getting underway. **Oats** continued to emerge and were in good condition. Little damage from the rain was reported. **Barley** was in fair to good condition. **Wheat** was just starting to head out. Powdery mildew in wheat was widely reported due to overly wet conditions.

Fruit

Apples were nearing the end of petal fall in the southwest. The largest apple fruit were about 8 mm. Cool temperatures at the end of the week kept insect activity down. In the west central, apples were in the petal fall stage and mid to late season varieties were moving out of bloom. Weather conditions prolonged the scab infection period. **Blueberries** were blooming in the southern areas. Cherry fruit worms and cranberry fruit worms were caught in pheromone traps. **Peaches** were at shuck split in the southwest. Southeastern peaches were beginning early shuck split. Bloom concluded and bacterial leaf spot was readily found in the west central area. **Pear** fruit grew to 8 mm in the southwest and southeast. Pear psylla nymphs and pear blister mites were reported in some southwestern orchards. Southwestern **tart cherries** were at shuck split and varying in fruit size. Reporters from the southeast indicated that cherries were at 9 to 10 mm in size. **Sweet cherries** were at 12 to 14 mm and at pit hardening in the southwest. Southeastern sweet cherries were in the 11 to 12 mm range. West Central bloom ended and heavy cherry leaf spot infection was readily found. **Plums** were out of the shuck in the southwest, while those in the southeast were mostly at shuck split. **Grape** shoots in the southeast were 3 to 4 inches in length with flower blossoms just beginning to be visible. New buds were beginning to form in the southwestern area that was hit hard by the April 26 freeze. **Strawberries** continued to bloom in the southwest. In the southeast, 50 to 70 percent of the strawberry crop was in bloom.

Vegetables

Vegetable planting was slowed down due to the continued rainfall throughout the State. **Asparagus** harvest continued at a slow pace and the crop was beginning to show purple spots due to the cold temperatures. Transplanting of **tomatoes**, **summer squash**, **zucchini** and **cucumbers** continued to progress. **Carrot** and **celery** planting continued. **Cabbage** fields were starting to suffer from the cool and wet soils. **Pepper** planting began in many areas across the State. Planting of **potatoes** continued to progress. Early plantings of **sweet corn** continued to emerge but were turning yellow due to the cold and wet conditions.

Soil moisture for week ending 05/21/06

Stratum	Very short	Short	Adequate	Surplus
	Percent	*Percent*	*Percent*	*Percent*
Topsoil	0	1	41	58
Subsoil	0	4	64	32

Crop condition for week ending 05/21/06

Crop	Very poor	Poor	Fair	Good	Excellent
	Percent	*Percent*	*Percent*	*Percent*	*Percent*
All Hay	1	3	38	45	13
Barley	0	11	46	36	7
Corn	2	7	41	46	4
Oats	0	2	20	58	20
Pasture	1	6	24	41	28
Winter Wheat	1	2	16	62	19

Crop progress for week ending 05/21/06

Crop	This week	Last week	Last year	5-year average
	Percent	*Percent*	*Percent*	*Percent*
All hay, first cutting	1	NA	2	2
Asparagus, harvested	39	36	27	41
Barley, planted	85	83	94	84
Barley, emerged	69	66	80	63
Corn, planted	85	79	87	70
Corn, emerged	52	32	38	35
Oats, emerged	93	87	91	82
Potatoes, planted	66	63	79	NA
Potatoes, emerged	34	18	27	NA
Soybeans, planted	56	54	71	43
Soybeans, emerged	16	7	14	15
Winter wheat, headed	1	0	1	6

Post Office Box 26248 ● Lansing, MI ● 48909-6248 ● (517) 324-5300
Facsimile: (517) 324-5299 ● E-mail: nass-mi@nass.usda.gov ● www.nass.usda.gov

Michigan Weather Summary for Week Ending 05/21/06 [1]

Station	Temperature			Cumulative growing degree days [2]			Precipitation					
											Normal	
	Maximum	Minimum	Departure from normal	2006	2005	Normal	This week	Last two weeks	Last four weeks	Since April 1	Since April 1	For month
Ironwood	68	32		259	259		0.28	3.57	4.22	4.96		
Marquette	66	33		210	220		0.42	5.67	5.83	7.04		
Stephenson	78	34		304	277		0.33	2.81	3.68	4.18		
Western UP	78	32	-3	241	232	213	0.29	3.55	4.22	4.95	4.45	3.37
Cornell	70	36		249	205		0.39	3.13	3.59	4.96		
Sault St Marie	66	34		221	186		1.25	2.88	2.92	4.22		
Eastern UP	71	25	-3	226	198	137	0.84	3.61	3.77	5.20	4.49	3.01
Beulah	67	36		311	318		0.44	3.32	3.83	5.78		
Lake City	69	34		298	277		0.62	3.21	3.36	6.95		
Old Mission	71	33		294	267		0.73	2.22	2.40	3.92		
Pellston	72	33		287	259		1.52	3.18	3.29	4.93		
Northwest	72	33	-5	282	266	256	0.89	2.93	3.13	5.30	4.42	2.61
Alpena	72	35		273	211		1.33	2.90	3.07	4.66		
Houghton Lake	70	36		311	290		0.46	2.48	2.61	4.56		
Rogers City	71	35		293	225		1.12	2.82	2.96	4.94		
Northeast	72	35	-4	301	265	238	1.14	2.91	3.04	5.10	4.45	2.76
Fremont	70	37		332	352		0.28	3.08	3.45	7.02		
Hart	67	34		301	322		0.33	2.87	3.47	6.26		
Muskegon	67	36		299	332		0.33	3.27	3.97	6.70		
West Central	74	34	-6	310	331	296	0.32	2.85	3.35	6.33	4.95	2.67
Alma	69	36		362	361		0.58	3.26	3.57	5.81		
Big Rapids	69	36		364	317		0.50	2.68	2.99	5.03		
Central	70	34	-6	356	337	327	0.50	3.00	3.31	5.62	4.99	2.79
Bad Axe	73	40		311	268		0.50	1.71	1.96	3.86		
Pigeon	72	41		321	261		0.75	3.08	3.29	5.48		
Saginaw	69	38		330	283		1.16	4.66	4.85	7.15		
Standish	72	36		339	283		0.98	4.98	5.18	8.11		
East Central	73	36	-5	310	283	310	0.78	3.09	3.29	5.44	4.36	2.63
Fennville	67	38		307	377		0.41	4.06	5.03	6.81		
Grand Rapids	70	38		353	369		0.40	3.20	3.76	5.85		
Holland	68	40		342	376		0.24	1.15	1.96	3.84		
South Bend, IN	71	35		376	446		0.54	3.44	4.72	6.44		
Watervliet	69	36		354	404		0.35	2.78	3.54	5.00		
Southwest	71	34	-8	349	400	355	0.30	2.33	3.09	4.64	5.46	3.01
Belding	72	33		337	343		0.43	2.85	3.54	5.74		
Coldwater	70	37		361	356		0.52	2.64	3.21	4.56		
Lansing	69	37		355	372		0.58	3.81	4.29	6.11		
South Central	73	33	-6	358	383	355	0.41	2.66	3.28	4.96	5.18	2.92
Detroit	74	41		401	370		0.87	3.48	4.31	6.98		
Flint	71	37		341	346		1.67	3.88	4.29	6.49		
Romeo	74	37		366	326		0.85	3.06	3.33	6.34		
Tipton	73	39		380	383		0.61	3.23	4.06	5.18		
Toledo, OH	73	43		423	384		1.66	4.33	5.39	6.67		
Southeast	75	36	-5	381	366	337	0.91	3.47	4.16	6.21	5.16	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.

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