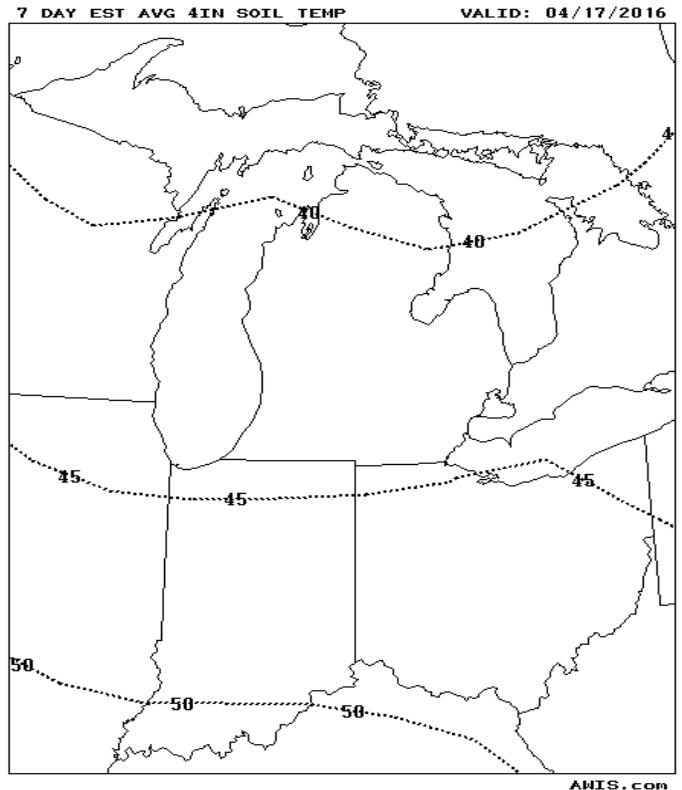




Michigan Crop Weather

Field Crops

There were 2.9 days suitable for fieldwork in Michigan during the week ending April 17, 2016, according to the Great Lakes Regional office of the National Agricultural Statistics Service. Weather conditions steadily improved throughout the week as precipitation levels were well below average and daytime highs reached the upper 70's by week's end in many parts of the State. Fields were beginning to dry out in many areas, and some growers were able to work lighter, sandier soils. In areas with heavier clay-type soils, most fields remained untouched, with farmers waiting for them to dry out and firm up before beginning work. In areas where farmers were able to apply fertilizer to **winter wheat**, quality has been improving; however, some reporters in the south central and southeast region have reported wheat that has turned brown and purple due to high moisture and nitrogen loss. Some **oats**, **hay**, and **sugarbeets** were seeded this week as conditions allowed, and **clover** was drilled into some wheat where it was not able to be frost seeded earlier. Other activities for the week included preparing equipment, spreading manure and fertilizer, some spring tillage, and taking care of livestock.



Fruit

Damage to fruit buds from the freeze events last week seemed to vary by location, crop, and stage of development. In southern parts of the State, where warmer weather in March promoted earlier than normal bud development, some damage was reported in **apricots**, **peaches**, and **sweet cherries**. In the northwest, where development has been behind, many growers do not believe that fruit crops were seriously damaged. Fruit growers in the northwest were cleaning brush out of orchards while in the southwest, growers were applying oil sprays for control of San Jose scale and mites. **Apples** were mostly at green tip while **peaches** were mostly at swollen bud; recent wet weather raised concerns about apple scab and peach leaf curl. **Apricots** in the southwest were at swollen bud to popcorn. **Sweet cherry** and **tart cherry** buds were at side green to green tip. **Pears** were at early bud swell to pre-tight cluster, while **plums** were at green tip to tight cluster. **Grapes** were still dormant or at early bud swell. **Strawberry** leaves were emerging from the crown. **Blueberries** were at bud swell for most varieties, with early varieties at bud burst. **Bramble** growth was underway in the southwest; bud development varies from green tip to unfolding leaves.

Crop Condition: Week Ending 04/17/16

Crop	Very poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Winter Wheat	1	7	23	54	15

Crop Progress: Week Ending 04/17/16

Crop/Activity	Percent Completed			
	This week	Last week	Last year	5 Year average
Days Suitable for Fieldwork	2.9	0.4	-	-
Winter Wheat Jointing	7	2	3	NA
Oats Planted	3	0	6	22
Sugarbeets Planted	1	0	20	27

Soil Moisture: Week Ending 04/17/16

Item	Very short	Short	Adequate	Surplus
	(percent)	(percent)	(percent)	(percent)
Topsoil moisture.....	0	1	45	54
Subsoil moisture.....	0	2	55	43

LAST WEEK WEATHER SUMMARY DATA April 1, 2016 - April 17, 2016												
STATION	TEMPERATURE				PRECIPITATION 4IN			PRECIPITATION			GDD BASE 50F	
	HI	LO	AVG	DFN	TOTAL	DAYS	TEMP	TOTAL	DFN	DYS	TOTAL	DFN
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10 Western UP												
Clarksburg	78	21	38	-3	0.08	2		1.68	+0.37	11	3	+3
Hancock_Houghto	67	26	42	+5	0.13	1		0.57	-0.39	5	15	+15
Ironwood_Ag	76	24	45	+6	0.04	2		2.02	+0.83	11	23	+23
Marquette_Ag	69	28	41	+1	0.03	1		1.73	+0.42	9	8	+8
Menominee_AP	68	27	40	-3	0.07	2		0.60	-0.93	9	1	+1
Norway	76	26	40	-1	0.27	3		1.55	+0.36	10	5	+5
Paulding	77	24	43	+6	0.10	3		1.29	+0.18	11	19	+19
Stambaugh	76	24	39	+3	0.14	2		1.33	+0.16	9	4	+4
10 Eastern UP												
Chatham_Exp_Far	71	25	39	-1	0.05	2		1.70	+0.87	9	2	+2
Garden_Corners	64	24	38	-3	0.09	2		2.06	+0.83	8	0	+0
Manistique_WWTP	55	28	37	-1	0.09	1		1.92	+0.68	8	0	+0
Moran	63	20	37	-2	0.42	2		2.27	+1.17	9	0	+0
Newberry_City	70	18	36	-4	0.40	4		1.77	+0.73	12	3	+3
Rudyard_4N	75	23	41	+3	0.05	1		2.15	+0.91	9	6	+6
Sault_Ste_Marie	68	24	39	+2	0.38	2		1.88	+0.36	8	4	+4
20 Northwest LP												
Antrim_Co_Arpt	77	27	43	+3	0.06	3		0.71	-0.56	11	10	+10
Beulah_7SSW	78	27	45	+3	0.00	0		1.16	-0.32	8	19	+19
Cadillac_WWTP	74	25	41	+1	0.05	1		1.79	+0.28	9	4	+4
East_Jordan_2NW	74	27	42	+0	0.00	0		1.40	+0.09	7	11	+11
Kalkaska_Ag	75	23	42	+3	0.07	1		1.40	+0.05	8	9	+9
Lake_City_Exp_F	74	25	40	-1	0.05	1		2.31	+0.77	8	3	+3
NW_Michigan_Res	73	30	44	+4	0.06	1	42	1.28	+0.01	9	12	+12
Pellston_Regnl	72	19	39	-1	0.06	1		0.98	-0.38	8	1	+1
Traverse_City_M	71	20	42	-1	0.04	1		1.54	-0.04	9	5	+5
30 Northeast LP												
Alpena_Co_Regio	65	22	38	-3	0.22	1		1.88	+0.60	8	0	+0
Atlanta_5WNW	74	19	37	-5	0.19	1		2.11	+1.25	9	0	+0
Hale_5SSW	71	24	39	-3	0.00	0		2.37	+1.09	6	2	+2
Mio_WWTP	75	22	40	-3	0.09	1		2.39	+1.21	9	4	+4
Rogers_City_NO2	63	21	38	-3	0.28	1		2.06	+0.87	7	0	+0
Vanderbilt	75	19	38	-2	0.21	1		1.95	+0.67	6	2	+2
West_Branch	74	26	40	-4	0.12	1		3.14	+1.81	7	4	+4
40 West Central LP												
Fremont_4WSW	78	29	47	+4	0.09	1		1.43	-0.30	9	17	+17
Hart_3WSW	77	27	46	+4	0.01	1		1.29	-0.30	9	19	+19
Ludington_Mason	73	29	44	-2	0.04	2		0.98	-0.52	12	8	+8
Muskegon_Co_AP	77	29	47	+3	0.31	1		2.04	+0.42	8	19	+19
50 Central LP												
Alma_Ag	75	28	44	-1	0.25	1		1.84	+0.19	10	8	+8
Big_Rapids_WTR	75	27	43	-2	0.15	1		2.12	+0.46	10	5	+5
Gladwin	76	28	43	-1	0.15	1		3.03	+1.65	8	7	+7
Mount_Pleasant	75	29	44	-1	0.01	1		0.56	-1.23	11	9	+9
Oil_City_3E	75	26	41	-6	0.28	1		1.53	-0.06	9	4	-3
Reed_City_WWTP	75	28	43	+1	0.10	1		2.21	+0.58	10	8	+8
60 East Central LP												
Auburn_2NE	67	28	42	-5	0.18	1		2.00	+0.41	5	3	-4
Bad_Axe_Ag	73	25	42	+0	0.23	1		1.73	+0.20	8	6	+6
Saginaw_NO3	75	28	45	-3	0.19	1		1.20	-0.42	8	8	+1
Sandusky	70	26	41	-4	0.22	1		1.39	+0.08	6	5	+5
Vassar	77	26	43	-3	0.24	1		1.37	-0.31	7	7	+6
70 Southwest LP												
Benton_Harbor_A	78	27	49	+3	0.56	1		2.20	+0.08	10	24	+19
Bloomington	79	25	46	+1	0.59	1		2.32	+0.32	9	15	+14
Dowagiac	77	29	47	+0	0.41	1		2.15	+0.21	7	15	+8
East_Grand_Rapi	77	28	45	-2	0.77	1		2.81	+0.85	9	15	+11
Kalamazoo_Intl	79	29	48	-2	0.35	1		1.74	-0.22	9	19	+0
Kent_City	76	21	44	-2	0.18	1		1.53	-0.09	10	11	+11
80 South Central LP												
Battle_Creek_5N	80	24	50	+4	0.11	1		1.71	-0.13	8	31	+22
Charlotte_WWTP	76	28	45	-1	0.73	1		2.69	+0.88	10	12	+11
Coldwater_Branc	74	28	47	+2	0.28	1		1.25	-0.45	11	15	+12
Hastings	78	27	45	+0	0.64	1		2.36	+0.40	10	14	+14
Hillsdale_Ag	74	27	45	+0	0.55	1		2.12	+0.26	9	10	+10
Lansing	76	29	46	+2	0.65	1		2.19	+0.39	10	14	+14
Owosso_WWTP	77	29	45	+0	0.75	1		2.00	+0.40	7	10	+10
Three_Rivers_Ag	77	27	46	+0	0.58	1		2.31	+0.48	11	12	+10
90 Southeast LP												
Burton	75	27	43	-2	0.72	1		2.16	+0.37	7	8	+8
Farmington	73	26	44	-4	0.62	1		1.69	-0.18	8	9	-3
Grosse_Pte_Farm	67	30	45	-3	0.47	1		1.15	-0.67	7	10	+1
Lapeer_WWTP	76	28	44	+1	0.68	1		1.91	+0.30	7	8	+8
Newport_4SSE	69	31	46	-4	0.25	2		1.12	-0.63	7	10	-14
Richmond_4NNW	74	28	44	-2	0.74	1		1.73	+0.07	6	11	+10
Saline_WWTP	75	23	45	-3	0.42	1		1.44	-0.50	9	12	+3
Tipton	75	26	44	-4	0.43	1		2.07	+0.20	6	9	+3
Whitmore_Lake	73	25	43	-3	0.63	1		1.47	-0.09	9	6	+5
Yale	72	26	42	-3	0.53	1		1.59	+0.28	8	6	+6