



Field Crop Finds

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Growing Degree Days

Growing Degree Days (GDD) is calculated by taking the average daily temperature and subtracting it from the base temperature of a specified plant ($(\text{High} + \text{Low})/2 - \text{base temp} = \text{GDD}$). For corn, we use base 86/50, as corn development starts at 50°F and stops at 86°F.

Check your location and planting date:

Location	Geography		Cumulative GDD since May 1		Cumulative GDD since May 15		Cumulative GDD since June 1	
	Elevation (ft)	Latitude (N)	Current Year	15 Year Avg	Current Year	15 Year Avg	Current Year	15 Year Avg
Alden	860	42.91	332	403	274	290	73	66
East Aurora	906	42.76	331	403	273	288	73	65
Eden	830	42.65	303	388	268	287	74	66
East Concord	1430	42.55	300	361	252	260	71	59
Angola	667	42.63	319	393	260	283	71	66
Fredonia	725	42.44	336	396	278	288	76	67
Mayville	1356	42.25	299	367	250	265	70	61
Panama	1539	42.07	283	353	236	255	66	59
Jamestown	1372	42.09	302	384	247	275	64	64
Cherry Creek	1346	42.29	297	379	248	272	68	63
Randolph	1286	42.16	296	375	247	269	66	62
Cattaraugus	1395	42.33	274	351	234	253	64	58
Machias	1673	42.41	293	355	244	255	66	58
Olean	1445	42.07	315	392	257	279	68	64
Perrysburg	1311	42.45	327	410	269	293	74	68
Belfast	1287	42.34	324	387	264	276	71	63
Wellsville	1506	42.12	296	350	244	251	65	58
Alfred	1804	42.25	298	366	242	264	65	61
Canaseraga	1255	42.46	292	356	242	258	66	59
Cuba	1496	42.21	292	358	241	256	65	58
Hornell	1146	42.32	308	379	254	272	67	63
Woodhull	1333	42.07	298	365	244	262	65	60
Corning	931	42.14	296	329	246	239	68	55
Bath	1106	42.33	304	373	251	267	69	61
Hammondsport	754	42.41	313	382	258	274	73	63

*GDDs accumulated as of 6/5

Pheromone Traps

Weekly flights continue to dwindle, with only two locations still getting significant flights. Reports of BCW damage continue, and you should be on the lookout for AMW too in small grains and hay fields.

	AMW	AMW	AMW	AMW	AMW
	<i>Farmersville</i>	<i>Arkport</i>	<i>Brant</i>	<i>Randolph</i>	<i>Marilla</i>
Week of April 20	0	3	4	X	X
Week of April 27	0	8	16	2	X
Week of May 4	1	11	19	5	35
Week of May 11	1	10	28	17	21
Week of May 18	1	7	56	8	N/A
Week of May 25	4	6	17	5	N/A
Week of June 1	0	15	2	0	N/A

	BCW	BCW	BCW	BCW	BCW
	<i>Farmersville</i>	<i>Arkport</i>	<i>Brant</i>	<i>Randolph</i>	<i>Marilla</i>
Week of April 20	0	2	14	X	X
Week of April 27	9	33	19	20	X
Week of May 4	8	19	23	5	13
Week of May 11	5	51	50	5	35
Week of May 18	1	4	52	35	N/A
Week of May 25	11	33	26	0	N/A
Week of June 1	7	4	6	23	N/A

Field Observations

We got some rain this weekend, which was needed. That moisture, coupled with warm temperatures helped push some more corn out of the ground that was planted at the beginning of this drier weather. Even though we did get this rain, it's still a question of whether it was enough to activate our pre-emergent herbicides. Mike Hunter with Cornell IPM shared an article out of Wisconsin on this topic: <https://badgercropnetwork.com/dry-weather-and-residual-herbicides-what-should-growers-expect/>.

I am hearing reports of the first soybean aphids here in WNY. No colonies have seemed to form yet, but it likely won't be long. Check fields that are near buckthorn, as adults overwinter on this plant and then fly to young plants to lay eggs. Ants are a big indicator that there are aphids present as they gather the honeydew. Also, it's important to check alfalfa second cutting regrowth for alfalfa weevil, especially in fields that experienced heavy feeding damage in first cutting. There doesn't seem to be any signs of potato leafhoppers yet, but with our most recent storm front, they might have begun their arrival.