



# 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 Town	Geography		Cumulative GDD since May 1		Cumulative GDD since May 15	
	Elevation (ft)	Latitude (N)	Current Year	15 Year Avg	Current Year	15 Year Avg
Alden	860	42.91	158	193	100	79
East Aurora	906	42.76	156	195	98	80
Eden	830	42.65	151	194	96	79
East Concord	1430	42.55	139	173	92	71
Angola	667	42.63	151	187	92	77
Fredonia	725	42.44	155	187	97	78
Mayville	1356	42.25	139	176	90	74
Panama	1539	42.07	136	170	88	72
Jamestown	1372	42.09	149	188	94	78
Cherry Creek	1346	42.29	141	183	92	76
Randolph	1286	42.16	144	181	95	75
Cattaraugus	1395	42.33	128	168	88	70
Machias	1673	42.41	139	170	91	70
Olean	1445	42.07	157	191	99	78
Perrysburg	1311	42.45	155	198	97	81
Belfast	1287	42.34	159	189	100	77
Wellsville	1506	42.12	145	168	94	69
Alfred	1804	42.25	149	176	93	74
Canaseraga	1255	42.46	141	170	91	72
Cuba	1496	42.21	141	173	90	71
Hornell	1146	42.32	151	183	97	76
Woodhull	1333	42.07	150	177	96	73
Corning	931	42.14	152	157	100	67
Bath	1106	42.33	151	181	97	75
Hammondsport	754	42.41	158	185	102	76

GDDs took a big jump last week with some of the warm weather we had. From May 1<sup>st</sup>, we are behind from the 15-year average, but many areas are ahead of the 15-year average from May 15<sup>th</sup>. Our next milestone for GDDs is 300, as that is our threshold for when the first flights of BCW larvae will be large enough to start feeding on corn.

## Pheromone Traps

	<b>AMW</b>	<b>AMW</b>	<b>AMW</b>	<b>AMW</b>	<b>AMW</b>
	<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

	<b>BCW</b>	<b>BCW</b>	<b>BCW</b>	<b>BCW</b>	<b>BCW</b>
	<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

Trap activity has appeared to slow down in many places, but significant flights are still coming into Brant and Randolph. For AMW, scout your winter grains and hay fields for damage. Feeding will occur at the base of the plant around the lower leaves.

### **Field Observations**

Many of you have harvested first cutting and have redirected your energy back to tillage and planting corn. Rainfall patterns have made it extremely difficult to get into many fields so far, but hopefully this week will bring some drier weather. With the cooler, wet weather we've been having, it's taken a bit for corn to come up out of the ground, but I am starting to catch rows when I drive by fields. I also am starting to see bird damage, so be on the lookout as corn emerges out of the ground. Statewide, there have been reports stand losses because of Seedcorn Maggot (SCM) in earlier planted fields. If you have experienced this, use this link to report it: <https://nwa.cornell.edu/seed-damage-report/>. You can also call Katelyn at 716-640-2047.