

Cornell Cooperative Extension

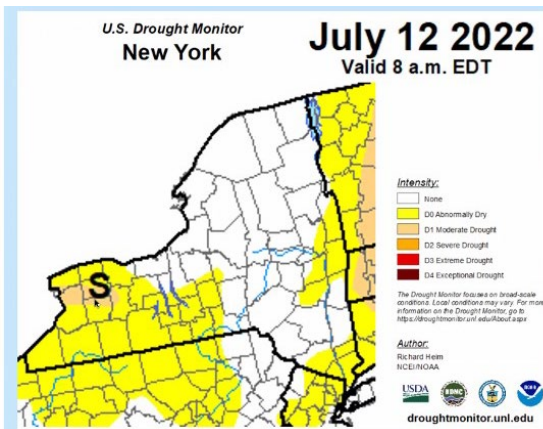
Central New York Dairy, Livestock and Field Crops

Field Crop Update 15 July 2022

1. Field Observations
2. Growing Degree Days
3. Pest and Disease Monitoring

1. Field Observations

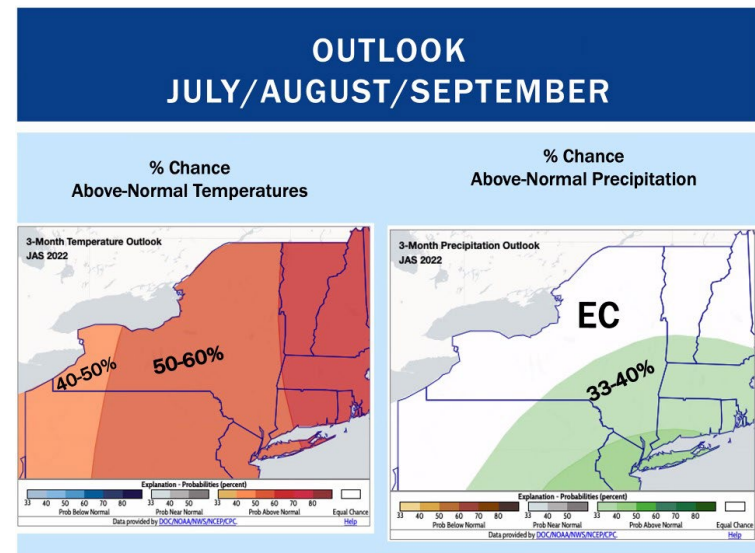
Corn is anywhere between V8-V12, and so far, foliage looks clean. Still quiet (so far) on the pest front, but *we are at a critical stage for yield determination. We cannot afford a lack of rain at this point.* We have been largely spared from the drought conditions we're seeing in other parts of the state. However, we're on track for above-normal temps through the rest of summer, and a slight chance of above-normal precipitation. We need the rain to outpace temps, but we may not get there. Stay tuned:



- Moderate Drought (D1) added to western NY

- Abnormally dry conditions expanded in western/central and New York

- Abnormally dry conditions added to southeast NY



2. Growing Degree Days as of July 14th (See: [Climate Smart Farming Growing Degree Day Calculator](#))

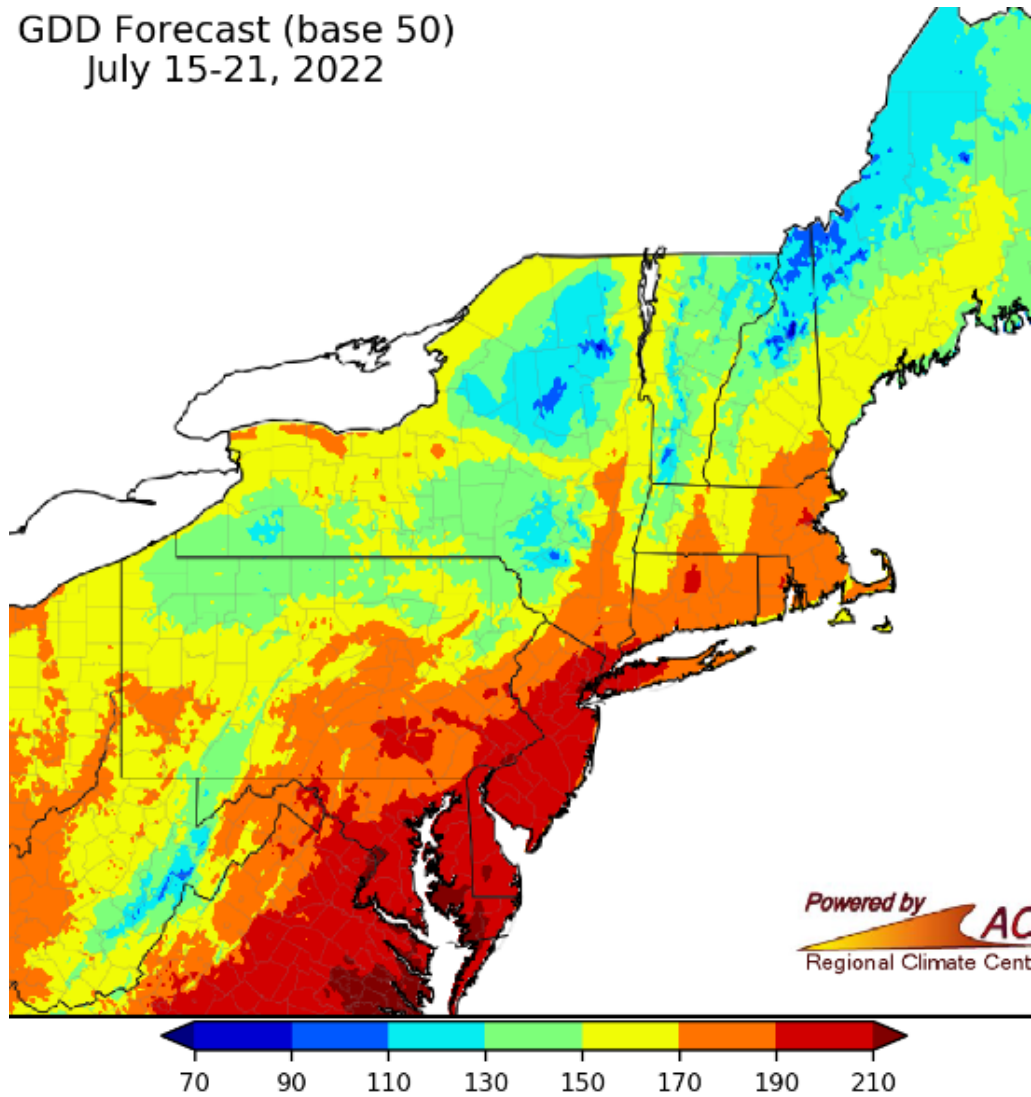
Growing degree days (GDD) are calculated by taking the average daily temperature and subtracting the base temperature for development of a given organism ((High + Low)/2 – base temp = GDD). For corn silage, we are using base 50/86, as corn development starts at 50 degrees F and ceases above 86. **Check your location and planting date:**

As of: 14 July 2022			Planting Date: May 10 (<i>Base 86/50</i>)				Planting Date: May 15 (<i>Base 86/50</i>)			
Location	Elevation (ft)	Latitude N	year to date	15 yr avg	30 yr avg	Record L-H	year to date	15 yr avg	30 yr avg	Record L-H
Poland	675	43.23	906	914	836	711-1038	824	876	797	636-1028
Canastota	420	43.08	1042	1043	966	822-1134	947	999	920	754-1119
Saratoga Springs	365	43.08	1053	1016	960	801-1124	961	972	915	766-1106
Frankfort	530	43.03	1012	1015	943	813-1108	924	972	898	741-1094
Galway	749	43.02	999	981	928	775-1090	913	940	884	738-1072
St Johnsville	650	43	916	930	870	740-1037	838	892	829	677-1023
Fenner	1480	42.97	908	912	818	691-1014	821	877	781	635-1007
Fultonville	489	42.95	994	1008	934	796-1115	911	965	890	741-1094
Bouckville	1170	42.93	911	912	818	693-1011	830	875	780	638-1003
Richfield Springs	1580	42.85	879	863	806	678-966	804	828	767	637-936
Cherry Valley	758	42.81	868	850	801	666-961	795	817	764	620-922
Burlington	1959	42.72	859	832	788	660-942	785	798	750	623-897
Sherburne	1115	42.69	960	955	874	737-1036	878	915	832	678-1022
Cobleskill	937	42.68	988	934	876	722-1064	906	896	835	671-1016
Oneonta	1107	42.47	839	808	788	637-965	766	774	749	611-916
Oxford	1499	42.4	892	881	818	693-982	811	844	779	640-936
Bainbridge	1000	42.3	920	917	856	734-999	838	880	815	676-960

As of: 14 July 2022			Planting Date: May 20 (<i>Base 86/50</i>)				Planting Date: May 25 (<i>Base 86/50</i>)			
Location	Elevation (ft)	Latitude N	year to date	15 yr avg	30 yr avg	Record L-H	year to date	15 yr avg	30 yr avg	Record L-H
Poland	675	43.23	783	830	758	602-978	710	771	712	540-912
Canastota	420	43.08	897	946	873	696-1064	820	877	819	630-994
Saratoga Springs	365	43.08	909	922	872	732-1053	836	857	818	657-981
Frankfort	530	43.03	876	919	852	698-1038	799	853	799	630-990
Galway	749	43.02	864	892	842	710-1018	793	830	790	640-947
St Johnsville	650	43	796	845	788	642-973	724	786	740	584-929
Fenner	1480	42.97	780	834	744	584-964	713	775	700	524-893
Fultonville	489	42.95	863	914	846	705-1038	788	850	794	643-959
Bouckville	1170	42.93	789	831	742	590-957	721	772	697	527-885
Richfield Springs	1580	42.85	765	785	729	600-894	695	729	684	535-872
Cherry Valley	758	42.81	756	775	727	588-879	686	721	683	534-860
Burlington	1959	42.72	746	755	712	592-868	679	702	667	530-846
Sherburne	1115	42.69	833	867	790	628-971	761	805	741	563-922
Cobleskill	937	42.68	857	849	795	636-957	780	789	746	578-903
Oneonta	1107	42.47	727	732	711	578-886	660	680	667	518-865
Oxford	1499	42.4	769	799	740	594-883	701	744	695	530-852
Bainbridge	1000	42.3	793	832	774	630-921	722	774	726	565-864

Our forecast for GDD next week looks very warm (Avg daily temps in the mid-70s). We also have storms in the forecast, but we'll need more than hit-or-miss downpours:

GDD Forecast (base 50) July 15-21, 2022



3. Pest and disease monitoring

A. *Western bean cutworm (WBC), true armyworm (TAW) and fall armyworm (FAW) in corn.*

This week, insect numbers remained **low**. At tasseling, the window of risk for WBCW largely closes:

	Trap checked:	11 July		
County	Town/Village	WBCW	TAW	FAW
Madison	Oneida	1		1
Herkimer	Poland	0		0
Montgomery	Canajoharie	0	0	
Saratoga	W. Charlton	2		2
Schoharie	Schoharie	0		0
Otsego	Index	0	0	
Chenango	Brisben	0	0	

B. *Potato leafhopper in alfalfa.* The only field that reached threshold is due for harvest (and may be harvested as I type):

County	Town/Village	Date	Ht (in)	PLH/sweep	Threshold
Madison	Sullivan 1	7/14	15	0.02	2*
Madison	Sullivan 2	7/14	16	0	2*
Madison	Oneida	7/12	28	2	2*
Montgomery	Glen 1	7/11	17	0.97	2*
Montgomery	Glen 2	7/11	20	0.33	2*
Schoharie	Cobleskill			Cut	
Schoharie	Sharon			Cut	
Chenango	Guilford	7/11	18	0.37	2*
	*No action needed within a week of harvest				

C. White mold in soybean

If your crop is flowering and you're approaching canopy closure (see pic), risk of white mold is currently **moderate.**

This pic is a screencap taken from the SporeCaster app, showing canopies at high risk (over) and no risk (under) for white mold.

Download here: <https://ipcm.wisc.edu/apps/sporecaster/>

