

# Cornell Cooperative Extension

## Central New York Dairy, Livestock and Field Crops

Field Crop Update    August 15, 2024

1. **Field observations and weather outlook**
2. **Growing Degree Days**
3. **Pest monitoring**

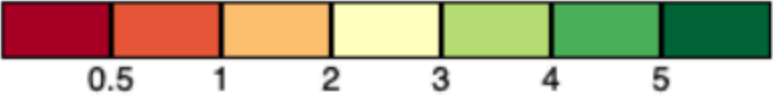
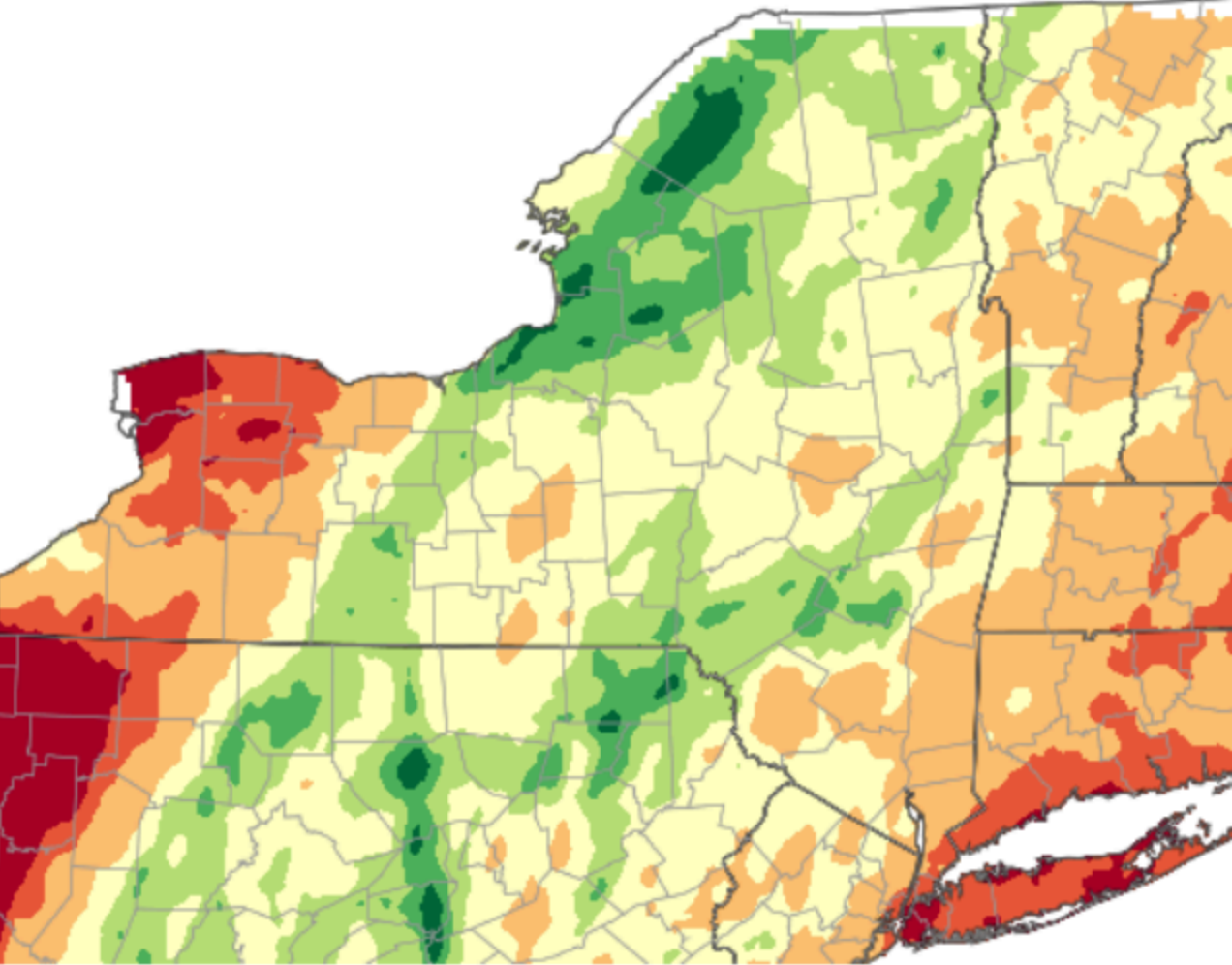
### 1. Field Observations and Weather Outlook

So far, crops still look great. However, be on the lookout for tar spot, which has been showing up on farms in two counties in western NY. And while I have yet to see white mold myself, now is the time when symptoms start to manifest. We've had more than our share of moisture as of late (see maps below, showing 30-day precip and 7-day streamflow - every black dot on this second map is a record high), so we're bracing for what could be another bad year for this disease.

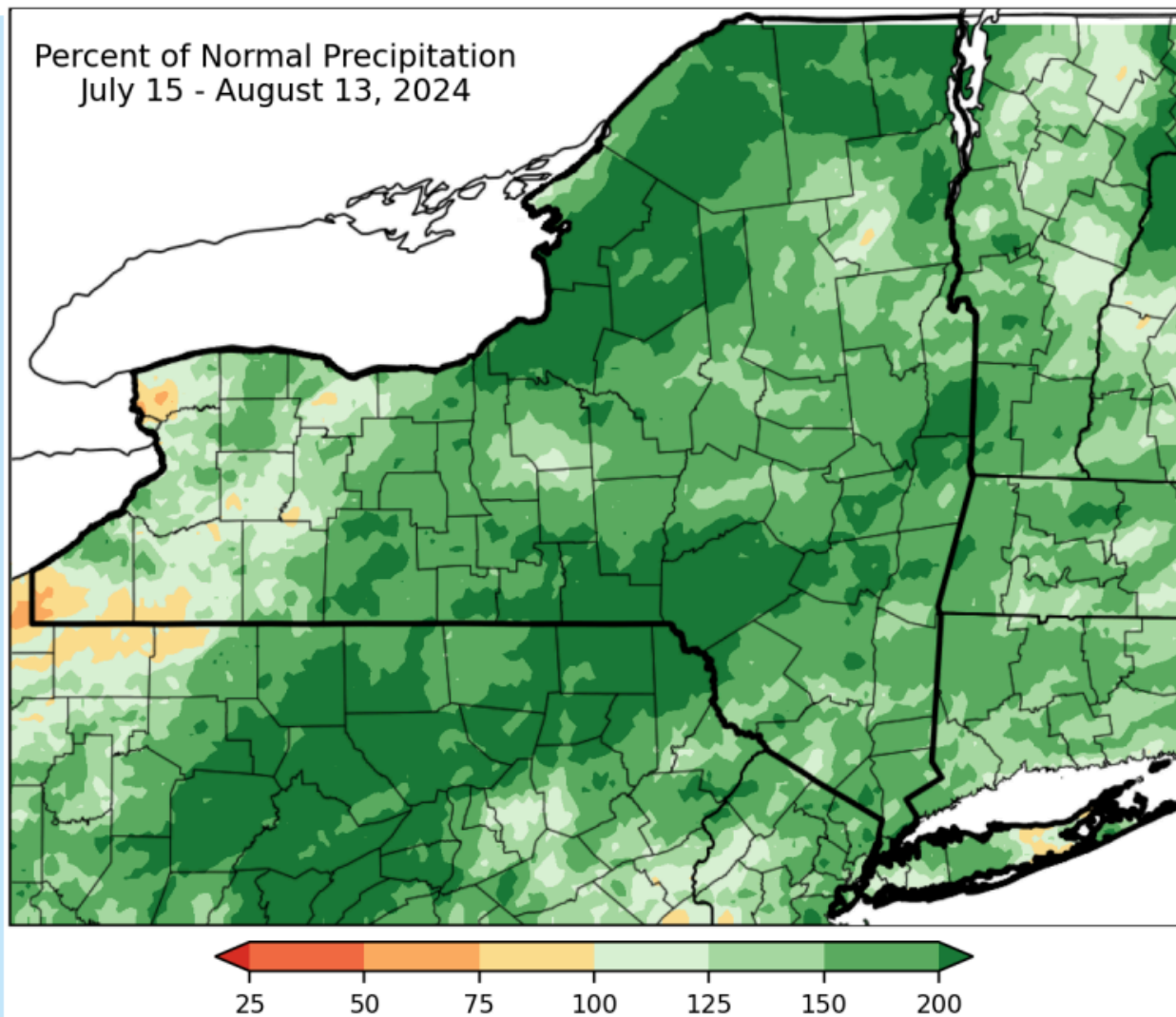
We're also reaching the end of our window to plant late-summer seedings of alfalfa crops, so if they're going in, they have to go in now.

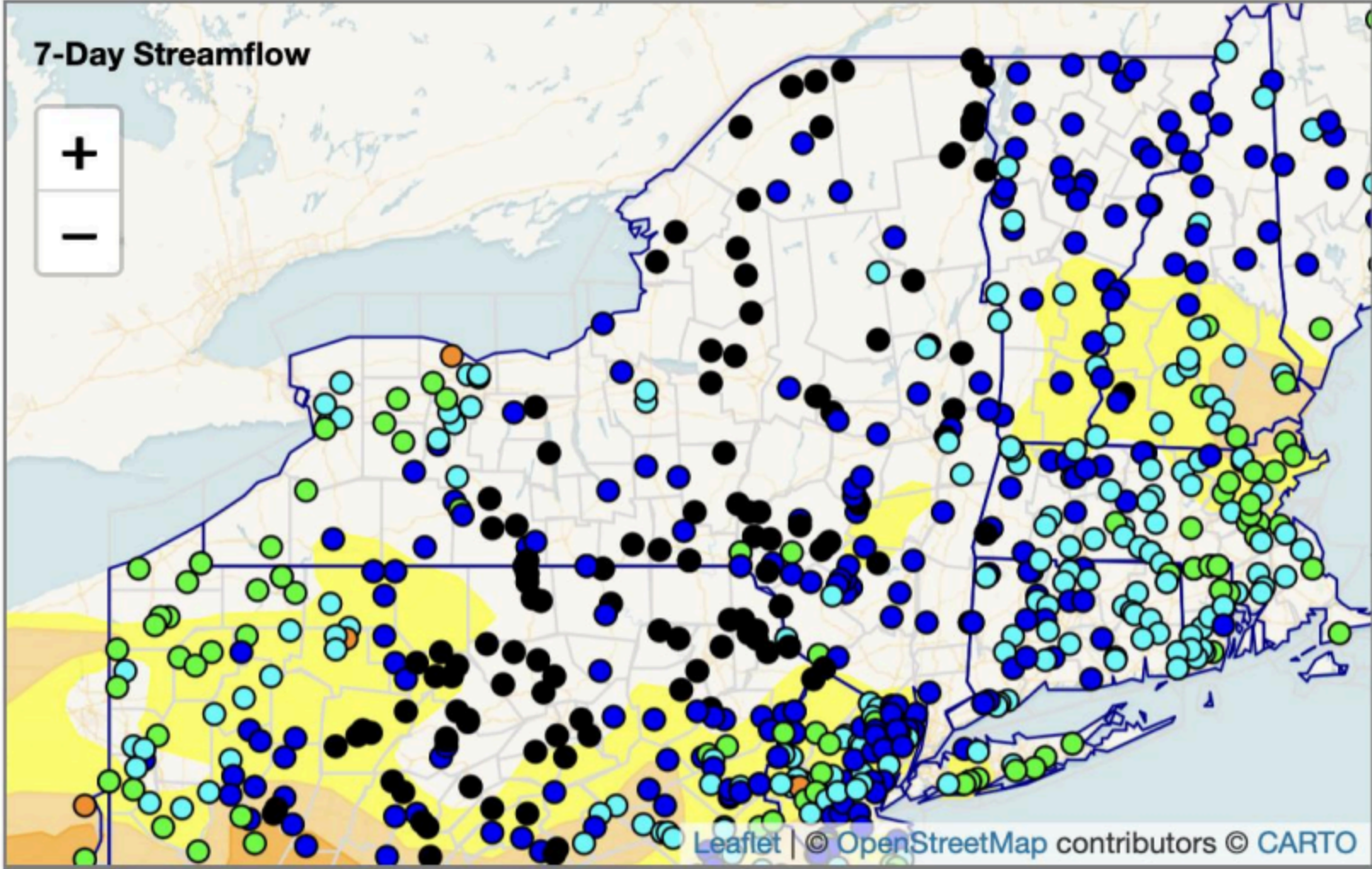
...Which means we're inching closer to silage harvest. Keep an eye on crop development, and make sure you're getting out into the field and not focusing on the headlands when staging corn. The team is working on putting together a corn silage dry-down event the first week of September, so stay tuned for details as we finalize plans.

**Total Precipitation - August 8, 2024 through August 14, 2024**



# 30-DAY %OF NORMAL PRECIP





**Explanation - Percentile Classes**

Low	Much below normal	Below normal	Normal	Above normal	Much above normal	High
	<10%	10-24%	25-75%	76-90%	>90%	

Data provided by [USGS WaterWatch - Streamflow](#); updated 2024-08-14.

# FORECAST



[Hazardous Weather Outlook](#)

## Hazardous Weather Outlook

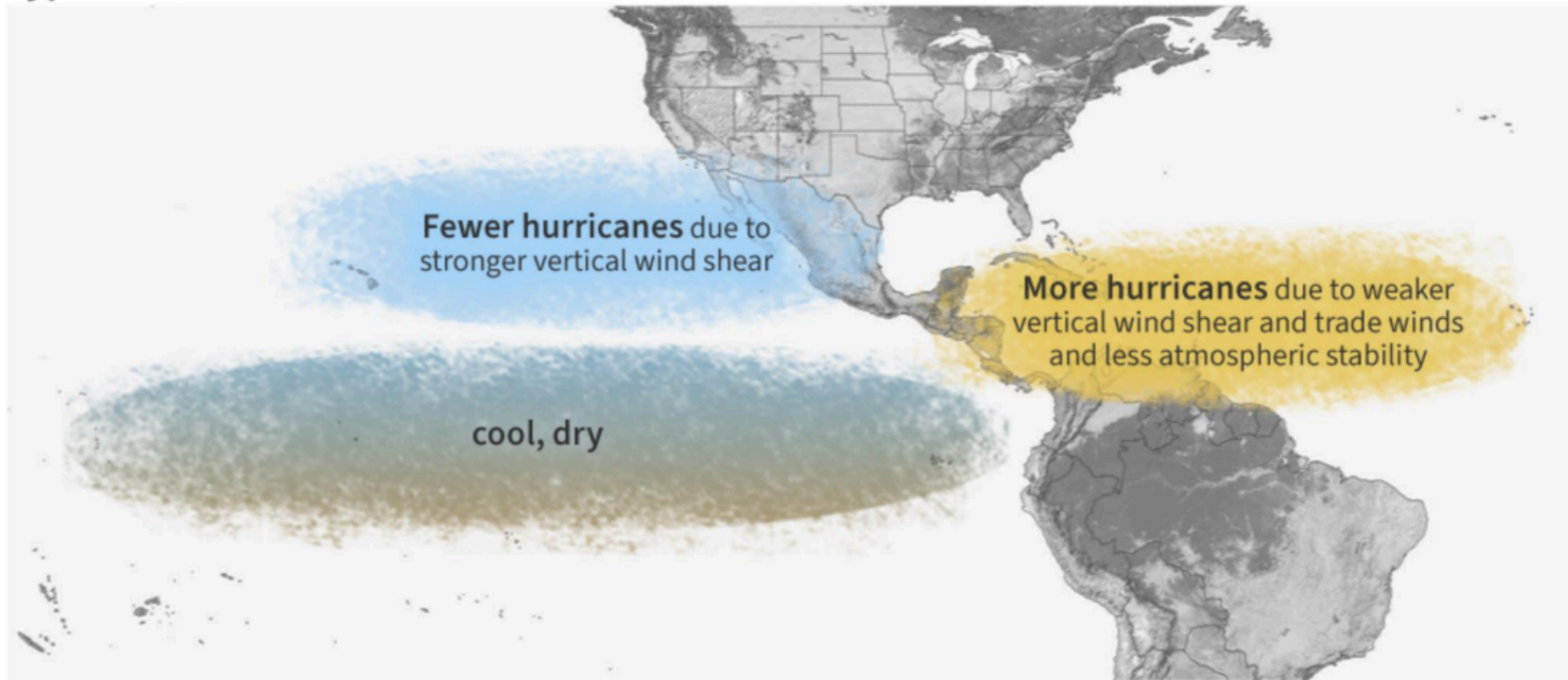
Thunderstorms with gusty winds and heavy rainfall are possible Thursday, and again Saturday and Sunday.



**Day 3 Excessive Rainfall Outlook**  
Valid 12Z Sat Aug 17 2024  
Thru 12Z Sun Aug 18 2024  
Issued: 0746Z Thu Aug 15 2024  
Forecaster: TAYLOR  
DOC/NOAA/NWS/NCEP/WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point  
**HIGH: At Least 70%** **SLGT: At Least 15%**  
**MDT: At Least 40%** **MRGL: At Least 5%**

## Typical La Niña influence

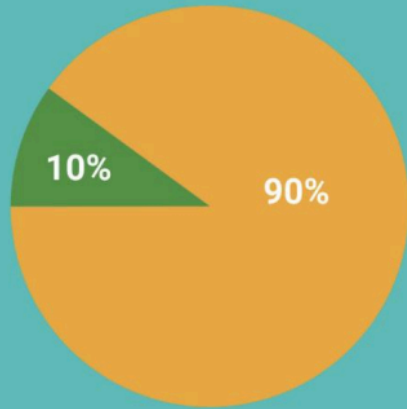


NOAA Climate.gov



# 2024 Atlantic Hurricane Season Outlook

## AUGUST 8 UPDATE



■ Above normal ■ Near normal ■ Below normal

Season probability

**Named storms**

17 - 24

**Hurricanes**

8 - 13

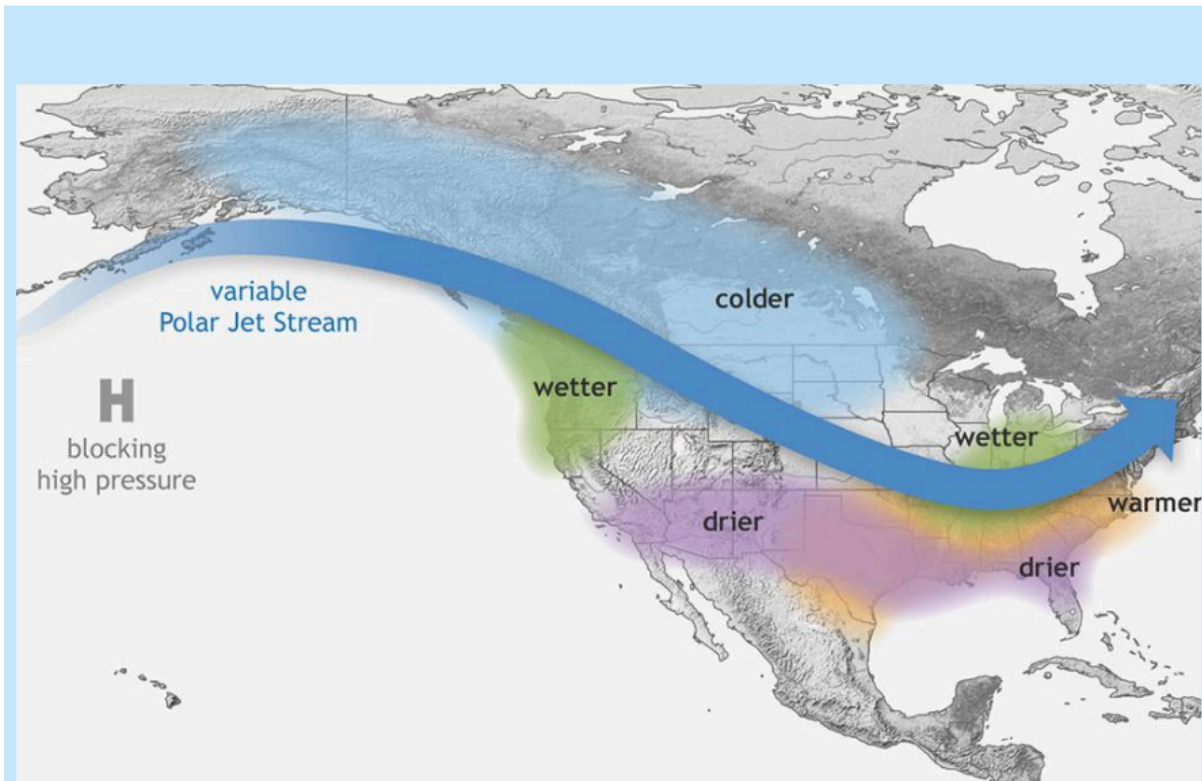
**Major hurricanes**

4 - 7

Be prepared: Visit [hurricanes.gov](https://hurricanes.gov) and follow @NWS and @NHC\_Atlantic on X.

August 2024

# LA NINA WINTERS





2. Growing Degree Days (GDD). (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: 07 Aug 2024 (Base: 86/50)			Planting Date				Silking Date				
Location	Elevation (ft)	Latitude N	May 1	May 10	May 20	May 30	July 14	July 18	July 22	July 26	July 30
Poland	675	43.23	1744	1670	1576	1415	609	518	452	375	298
Canastota	420	43.08	1923	1832	1714	1540	665	565	495	408	328
Saratoga Springs	365	43.08	1907	1820	1713	1535	672	570	497	409	326
Frankfort	530	43.03	1909	1825	1716	1541	661	562	490	406	326
Galway	749	43.02	1817	1734	1631	1463	629	532	465	384	308
St Johnsville	650	43	1752	1672	1577	1412	596	502	440	366	294
Fenner	1480	42.97	1717	1643	1552	1400	611	516	450	372	295
Fultonville	489	42.95	1855	1767	1661	1486	624	527	462	382	308
Bouckville	1170	42.93	1716	1639	1552	1399	603	508	444	367	293
Richfield Springs	1580	42.85	1662	1587	1504	1350	576	485	424	352	283
Cherry Valley	758	42.81	1631	1559	1478	1325	561	472	414	342	274
Burlington	1959	42.72	1579	1506	1432	1291	559	470	411	340	274
Sherburne	1115	42.69	1760	1675	1585	1421	610	515	449	373	302
Cobleskill	937	42.68	1759	1675	1581	1418	604	509	446	369	294
Oneonta	1107	42.47	1536	1462	1394	1257	544	456	400	331	268
Oxford	1499	42.4	1539	1466	1396	1260	550	460	400	334	269
Bainbridge	1000	42.3	1624	1543	1469	1324	573	480	419	347	281

*Remember:* Silage corn needs 750-800 GDD (depending on hybrid maturity) **after** silking to reach a whole plant DM of 32%. Under typical late season dry down conditions we can expect the crop to reach 35% DM four to seven days later. We can expect to accumulate 20-25 GDD per day, or even up to 30, so peak maturity can creep up on us quickly. But no matter what the numbers say, always check your crop to see how close you may be to harvest. For more details, see this article: <https://ecommons.cornell.edu/server/api/core/bitstreams/5a5c472d-0fa1-452a-abd4-929ebcb9feec/content>

### 3. Pest Monitoring

Moth trap numbers have dropped dramatically in Central NY, but Katelyn Miller, my counterpart in western NY, trapped a large number of fall armyworms in her traps this week. I'll keep you in the loop if any outbreaks occur.