



SWNY Field Crop Finds

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September 6th, 2023

Pheromone Trap Data

	WBCW	WBCW	FAW	FAW
	Ashford, NY	Cherry Creek, NY	Brant, NY	Arkport, NY
17-Jul	8	0	0	2
24-Jul	15	2	0	0
31-Jul	5	0	0	0
8-Aug	3	0	0	0
14-Aug	1	0	1	0
21-Aug	0	0	4	0
28-Aug	0	0	0	0
5-Sep	0	0	0	0

No pest flights were identified the past two weeks.

Weed of the Week!

The final weed of the week was **Broadleaf Plantain!** Did you guess right?

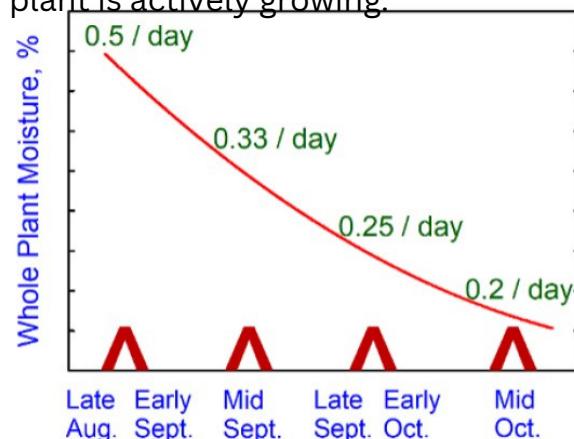


On average we assume a plant will dry down 0.5% per day, but it is not guaranteed. Warm weather can increase this rate, and cold, wet weather can slow it. Additionally, the time in season can also impact dry down, as shown in the figure to the right by Jerry Cherney and Bill Cox.

Because of this, it is crucial to get into the field and check progress!

Patience is Key for Corn Silage Harvest

As we experience 4th of July weather after Labor Day, corn silage dry down may not be happening at the pace you think. Get into your corn fields and assess the progress by walking the field, paying attention to kernel maturity, and taking samples for whole plant dry matter (WPDM). Once plants have hit 26-28% WPDM, it is an indication that ear dry down has begun. A dry matter of 25% or less indicates that the plant is actively growing.



Hybrid Relative Maturity	GDD from Silking to Reach 32% DM
101-110	800
96-100	750
<96	750 or slightly less (extrapolated)

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, meaning that corn development starts at 50°F and stops at 86°F. Silage needs 750-800 GDD (depending on hybrid maturity) after silking to reach whole plant matter of 32%. We can expect 20-25 GDD per day meaning the crop can reach 35% DM 4-7 days later, but always check your crop to see how close you may be to harvest.

9/6/2023		Planting Date		Silking Date					
Location	Elevation (ft)	5/10	5/15	7/20	7/24	7/28	8/1	8/5	8/9
Cherry Creek	1319	1708	1673	815	749	669	603	538	467
Little Valley	1371	1479	1456	716	658	584	525	471	405
Collins	882	1822	1784	852	782	695	627	556	482
Springville	1296	1755	1716	812	743	659	594	528	458

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