



## SWNY Field Crop Finds

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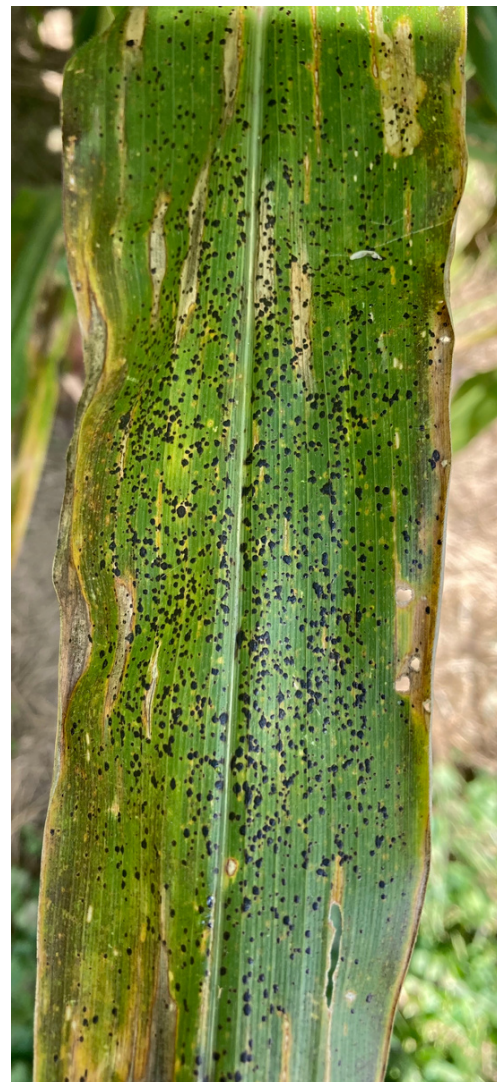
### Tar Spot is Sweeping Through Southwest, NY

There is a high prevalence of tar spot in Erie and Chautauqua counties this season. Tar spot is a new reality for producers, causing challenges to silage and grain production. A severe infection reduces silage feed quality by reducing moisture, decreasing digestible components and reducing energy. It also reduces grain yield by reducing ear weight, causing poor kernel fill, and can increase stalk rot and lodging. There are no associated mycotoxins with this feed. Management options include:

1. Rotating to other crops
2. Managing residue
3. Fungicide use
4. Scouting

**Although there is no rescue treatment, knowing if you have tar spot present can help you manage it in the future.**

**If you think you have tar spot, or need help identifying ear rot, call Katelyn Miller at 716-640-2047.**



### Ear Rot in Corn

Reports of ear rots are coming in this year. Identifying which ear rot may be present is important because some produce mycotoxins, which are dangerous to livestock.

**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.

9/21/2023		Silking Date					
Location	Elevation (ft)	7/20	7/24	7/28	8/1	8/5	8/9
Cherry Creek	1319	969	902	822	756	692	621
Little Valley	1371	847	789	716	656	602	535
Collins	882	1014	945	858	790	721	646
Springville	1296	962	895	811	745	678	608

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