Agricultural Beet

2021: Maintaining the Momentum

Establishing scouting-based CLS ratings to make important end-of-season fungicide decisions.

Recent rains and potentially more in the forecast inject an interesting twist into our cat and mouse game of controlling late season CLS. Certainly it is going to necessitate continued field scouting to make end-of-season fungicide decisions. But, what should you be looking for when you scout your field? In an upcoming AgBeet you will receive a model that utilizes a CLS rating of your field to predict when you might expect your field to reach important thresholds. The ability to accurately assess CLS infections in your field(s) is critical for making these upcoming fungicide decisions. Familiarize yourself with these categories in order to use the model that is based on real SMBSC fields and research plots.

Categories of CLS infection are provided for you at right. This document limits an ability to fully visualize leaf infection levels. However, if you can attend the SMBSC Cercospora Tour on August 31st, there will be handouts with larger leaf examples for you to pick up or you may call your Agriculturist.

Bottom Line: Recent rainfall means that accurately rating CLS infections in your field over time is critical to making end-of-season decisions. Attend the upcoming SMBSC CLS tour and also look for a future AgBeet that will include a CLS *Infection Progression Model* that can be used for making field-by-field fungicide program termination decisions through the use of infection ratings / categories made in real time and relating to your own specific field(s).

Cercospora leaf Spot Damage Categories

Category 1
1-5 spots/leaf
0.1% severity

Category 2
6-12 spots/leaf
0.35% severity

Category 3
13-25 spots/leaf
0.75% severity

Category 4
26-50 spots/leaf
1.5% severity

Category 5
51-75 spots/leaf
2.5% severity

Category 6
3% severity
PROVEN ECONOMIC DAMAGE

Category 7
6% severity

Category 8
12% severity

Category 9
25% severity

Category 10
50% severity

Steve Roehl – Ag Strategy Manager