

# 2025 CLS Quicksheet

## CLS Fungicide Program BMPs

- **Start early** when the leaves between rows are ~4 inches apart. This is proven to be important for both tolerant and susceptible varieties. Small plot research and field observations show that an early application provides significantly better control than fungicide programs that start later. Delaying the onset of disease is critical and early season testing shows CLS infections ramping up after the 3rd week of June.
- Use a **spray volume of 20 to 25 gpa** (5 to 7 gpa for aerial applications).
- Utilize nozzle selection, pressure, and deposition aid adjuvants to achieve **optimal coverage**.
  - A medium droplet size will provide the best coverage in the most situations (200-350 microns).
- **Make fungicide applications on a 14-day interval for all varieties, unless environmental conditions dictate otherwise.**
  - CLS DIV's will begin posting in June when CLS may become active:  
<https://www.smbc.com/agronomy/AgronomyDefault>
- Maintaining protection into September is important as the new DIV matrix being developed indicates that free water is important for CLS infection and September has the potential for a high occurrence of overnight dew.
- SDHI fungicide products are not considered effective tank mix partners. However, early season leaf sample testing indicates that the CLS population may be susceptible to benzimidazoles (Topsin) and QoIs (Headline, Priaxor, etc) at least during the early part of the growing season.
- New resistance testing show cross resistance between Inspire XT and Provysol, and also between Proline/Phobos, Minerva/Domark, Enable, and Topguard. Products from these two groups should be rotated during the season.
- Do not tank mix fungicides and glyphosate.
- Consult labels before tank-mixing fungicides with other crop protection products.
- Always follow the label for application instructions and restrictions.
- **Please follow the CLS Program outlined below.**

## CLS Fungicide Program

**Start when leaves are ~4" apart or ~June 21**  
**Applications on ~14-day intervals**  
**Weather Dependent**

1. Proline\* + EBDC
2. Tin + Topsin / T-methyl
3. QoI (strobi) + EBDC
4. Tin + EBDC
5. Inspire XT\*\* / Provysol + EBDC
6. Tin + EBDC
7. EBDC + Copper (if needed)



\*Or generic.

\*\*Or generic. Regev and Luna Flex have a 7-day PHI compared to Inspire XT 21-day PHI.

Triazole Products	Rate/Acre	REI	PHI
<b>Domark</b>	6.9 oz	12hrs	14 days
<b>Minerva</b>	13 oz	12hrs	14 days
<b>Proline 480 SC</b>	5.7 oz	12hrs	7 days
<b>Enable 2F</b>	8 oz	12hrs	14 days
<b>Phobos FC</b>	7.6 oz	12hrs	7 days
<b>Topguard</b>	14 oz	12hrs	21 days
<b>Provysol</b>	5 oz	12hrs	7 days
<b>Inspire XT</b>	7 oz	12hrs	21 days
<b>*Lucento</b> Topguard+SDHI	5.5 oz	12hrs	21 days
<b>*Luna Flex</b> Inspire+SDHI	13.6 oz	12hrs	7 days
<b>*REGEV</b> Inspire+TTO	8.5 oz	12hrs	7 days

\*Cross resistance has been documented between Proline/Phobos, Minerva/Domark, Enable, and Topguard products (purple font), and also between Inspire XT and Provysol (black font). Rotate the use of these two groups in season. We should only use each product once during a season.

\*These premixed fungicide products do not contain two effective modes of action. If these products are used, they should be tank mixed with an EBDC.

\*Be aware of which triazole is in the premix so that we are not applying more than one triazole from a resistance group per season.

\*Other premixes are available for use in sugar beets. However, these products do not align with the program goals.

QoI Products	Rate	REI	PHI
<b>Gem 500 SC / Flint Extra</b>	3.6 oz	12 hrs	21 days
<b>Headline</b>	9 oz	12 hrs	7 days
<b>Priaxor</b> Headline+SDHI	6.7 oz	12 hrs	7 days

\*There may be other QoI products available for use in sugar beets. Follow label instructions.

Copper	Rate	REI	PHI
<b>Badge SC</b>	2 pts	48hrs	0 day
<b>Champ 2 Flowable</b>	2 pts		
<b>Cuprofix Ultra</b>	2 lbs		
<b>Kocide 3000</b>	1.25 lbs		

\*There may be other copper products available for use in sugar beets. Follow label instructions.

\*Do not apply glyphosate within 7 to 10 days of a copper product as this may cause phytotoxicity.

Benzimidazole	Rate	REI	PHI
<b>T-Methyl 4.5F / Topsin 4.5FL</b>	10 oz	24hrs	21 days
<b>Topsin M WSB / T-Methyl 70 WSB</b>	0.5 lb		

\*There may be other products available for use in sugar beets. Follow label instructions.

Tin Products	Rate	REI	PHI
<b>Super Tin 4L</b>	8 oz	48hrs	7 days
<b>Agri Tin Flowable</b>	8 oz		

\*Do not exceed 24 oz/A of Super Tin 4L/Agri Tin Flowable per season.

EBDC Products	Rate	REI	PHI
<b>Manzate Max / Dithane F-45</b>	1.6 qts	24hrs	14 days
<b>Manzate Pro-Stick / Koverall / Dithane M45 / Penncozeb 80WP or 75DF</b>	2 lbs		

\*There may be other EBDC products available for use in sugar beets. Follow label instructions.

The information contained in this quicksheet is meant to provide options for a CLS fungicide program for your operation in 2025. However, it can not provide all the details for every application. **Consult your agriculturalist and the product label.**



# Cercospora Leaf Spot Rating Scale

