

2021 ACSC Recommended Cercospora Leaf Spot (CLS) Spray Program

Fungicide Application Sequence based on Initial Fungicide Application Timing	Timing of Initial Fungicide Application						
	Late June 6 Spray Program	Early-Mid July 5 Spray Program	Mid-Late July 4 Spray Program	Late July- Early Aug 3 Spray Program		Early-Mid Aug 2 Spray Program	Late Aug 1 Spray Program
				Option 1	Option 2		
Application #1	Triazole + EBDC	Triazole + EBDC	Triazole + EBDC	TPTH + Topsin	Triazole + EBDC	Triazole + EBDC	Headline/Priaxor + TPTH
Application #2	EBDC	TPTH + Topsin	TPTH* + Topsin	Triazole + EBDC	TPTH + Topsin	Headline/Priaxor + TPTH	
Application #3	TPTH + Topsin	Triazole + EBDC	Triazole + EBDC	Headline/Priaxor + TPTH	Headline/Priaxor + EBDC		
Application #4	Triazole + EBDC	EBDC	Headline/Priaxor + TPTH				
Application #5	EBDC	Headline/Priaxor + TPTH					
Application #6	Headline/Priaxor + TPTH						



Fungicide Use Information

Fungicide Class	Fungicide	Rate/Acre	REI – (Reentry Interval) Hours	PHI – (Pre-Harvest Interval) Days
Triazole	Provysol	4.0 oz.	12	7
Triazole	Inspire XT	7.0 oz.	12	21
Triazole	Proline	5.7 oz.	12	7
Triazole	Minerva / Eminent VP	13 oz.	12	14
Triazole & TPTH	Minerva Duo	16 oz.	48	14
Triazole & SDHI	Lucento	5.5 oz.	12	21
EBDC	Several Available	Ranges by Product	24	14
TPTH (Liquid)	Agri Tin Flowable / Super Tin 4L	8.0 oz.	48	7
TPTH (Dry)	Agri Tin / Super Tin 80 WP	5.0 oz.	48	7 MN / 21 ND
Benzimidazole (Liquid)	Topsin 4.5 FL / T-Methyl 4.5F	10.0 oz.	24	21
Benzimidazole (Dry)	Topsin M 70W / T-Methyl 70WSB	0.5 lbs.	24	21
Strobilurin	Headline SC	9.0 oz.	12	7
Strobilurin + Xemium	Priaxor	6.7 oz.	12	7
Copper	Several Available	Ranges by Product	48	0

This table is not a substitute for the product label.
Always refer to the label for product details.

Fungicide Application Tips & Detail

CLS variety rating – CLS control should improve with a better CLS variety rating. However, this may not equate to fewer fungicide applications.

Water volume – CLS fungicides need excellent coverage to protect the sugarbeet leaf surface. To achieve this requires **15 to 20 gallons** of water per acre. Using nozzles that will produce Medium droplet sizes of 250–350µm (microns) is optimum for fungicide applications. Utilize nozzle manufacturer's recommended application pressure for maximum leaf coverage.

Spray intervals – Start early and stay on track once CLS is found in your area. The time interval between applications should not exceed 12 days, plan best as possible around adverse weather conditions (rain, wind, hail). For EBDC's alone follow a 7-8-day spray interval.

Glyphosate tank mixes – Are not recommend with CLS fungicide applications since optimum water volume requirements are different for glyphosate and CLS fungicide applications as the target pests are not the same.

Triazoles

- Do not use in more than 50% of applications per cropping season and only in a tank-mix.
- Triazoles are vital to CLS management and overuse may further increase resistance.
- Alternate different Triazoles if used more than once in a spray season.
- Due to a high probability of cross-resistant CLS spores if applying just 2 Triazoles per season:
 - Do not use both Provysol & Inspire XT in the same growing season.
- Watch Preharvest intervals (PHI's) for Triazoles, they can range from 7 to 14 to 21 days.
- Consider applying Triazoles with longer PHI's early in the spray season and shorter PHI's later in your fungicide program for harvest planning.

EBDC's (Mancozeb/Manzate):

- Are an effective tank mix partner for CLS control and resistance management.
- There is no known resistance to EBDC's.
- Pre-Slurrying product helps in tank-mixing.
- Manebs are not as effective on CLS as Mancozeb's.

Tins (TPTH):

- Use in only **2** applications per cropping season and only in a tank-mix.
- Tins are vital to CLS management and overuse may further increase resistance.
- Watch Pre-Harvest intervals (PHI's) as they range from 7 - 21 days.

Topsin (Benzimidazole):

- Use only **once** per season early in spray program & only in a tank-mix (e.g. Tins - TPTH).

Headline/Priaxor (Strobilurin):

- Headline/Priaxor benefits include: plant health; harvest frost deterrence/recovery; and storage benefits.
- Use only with a tank mix of Tin (TPTH) at full rate. Exception is in the 3 Spray program under Option 2 where EBDC is used as the tank mix.

Copper

- Coppers have a 0-day Pre-Harvest Interval (PHI), creates an option if up against Pre-Harvest Intervals during pre-pile or before stockpile harvest as a tank-mix partner.
- Ideally tank-mix copper with a non-contact fungicide (Triazole) to avoid two contact fungicides in the same application. Must adhere to the PHI of tank mix partner.
- Talk to your Agriculturist if you are planning to use a Copper product.



CONTACT YOUR AGRICULTURIST

Contact your American Crystal Agriculturist for the most up-to-date information on issues affecting sugarbeets in your area.

