

2019 SMBSC Cercospora Recommendations

1. Begin spraying prior to, or at row closure.
2. Always alternate main fungicide modes of action. Never spray two fungicides from the same fungicide group back to back.
- 3. Tank mixing fungicides in every application is critical to obtain adequate control of Cercospora Leaf Spot and critical for fungicide resistance management.**
4. Cercospora Disease Index Values can be accessed during the Cercospora season at https://www.smbc.com/Agronomy/CLS_DIVvalues.aspx
5. Be aware of varietal differences in susceptibility to disease. (See Page 2)
6. Plant a variety highly resistant to CLS on common lines to 2018 and 2020 sugarbeet fields.

Recommended program is 10-12 day interval. Shorter intervals may be required due to rain.

Six Spray Program:

1. Tin + EBDC
2. Triazole + EBDC
3. Tin + Copper
4. Triazole + EBDC
5. Tin + EBDC
6. Triazole + Copper

If a 7th application is necessary use EBDC + Copper

- Consider an early EBDC application or picture frame of the field. Especially in protected areas and common lines to 2018 fields.
- Alternate triazole products on the 2nd, 4th and 6th sprays.
- Observe pre-harvest intervals.
- Use adjuvants as recommended on the fungicide label.
- Don't use nozzles outside of the recommended manufacturer range.

Labeled Cercospora Leaf Spot Fungicides

Fungicide Group	Product Name	Rate per acre	Restricted Entry Interval	Pre- Harvest Interval	
Triazoles	Eminent VP	13 oz.	12 hour	14 days	
	Minerva	13 oz.	12 hour	14 days	
	Provysol	5 oz.	12 hour	21 days	
	Inspire XT	7 oz.	12 hour	21 days	
	Proline	5.7 oz.	12 hour	7 days	
	Enable	8 oz.	12 hour	14 days	
	Topguard	14 oz.	12 hour	21 days	
Tin	Super Tin 4L	8 oz.	48 hour	7 days	
	Super Tin 80WP	5 oz.	48 hour	7 days	
	Agri Tin	5 oz.	48 hour	7 days	
	Agri Tin Flowable	8oz.	48 hour	7 days	
Strobilurins	Not recommended for use in 2019.				
EBDC	Manzate Max	1.6 qt.	24 hour	14 days	
	Manzate Prostick	2 lb.	24 hour	14 days	
	Penncozeb 80WP	2 lb.	24 hour	14 days	
	Penncozeb 75DF	2 lb.	24 hour	14 days	
	Dithane M45	2 lb.	24 hour	14 days	
	Dithane F-45	1.6 qt.	24 hour	14 days	
Several other products labeled. Refer to specific product label for directions.					
Benzimidazoles	"Topsin" or "T-Methyl" are not recommended for use in 2019.				
Copper	Badge SC	2 pt.	48 hour	0 days	
	Kocide 3000	1.25 lb.	48 hour	0 days	
	Kocide 2000	2.5 lb.	48 hour	0 days	
	Champion	1.25 lb.	48 hour	0 days	
	Champ Formula 2 Flowable	2 pt.	48 hour	0 days	
Pre-Mixes	Propulse (Proline + Fluopyram [SDHI]) ¹	13.6 oz.	12 hour	7 days	
	Brixen (Minerva + Azoxystrobin) ¹	21 oz.	12 hour	14 days	Contains strobilurin
	Acropolis (Tetraconazole + T-Methyl) ¹	32 oz.	24 hour	21 days	Contains benzimidazole
	Lucento (Topguard + Bixafen [SDHI]) ¹	5.5 oz.	12 hour	21 days	
	Minerva Duo (Minerva + Tin) ²	16 oz.	48 hour	14 days	

¹When using a fungicide premix ensure the product contains two effective modes of action prior to use. Strobilurin, benzimidazole, and SDHI products are not considered effective modes of action for CLS.

²Minerva Duo should be an effective tank-mix, but this product does not allow for the alternation of chemistries (tin and triazoles). Contact your Agriculturist with questions.

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Application Instructions

1. Always follow the label for application instructions and restrictions.
2. Ground Applications: 20-25 gallons of water per acre and medium-fine to fine droplets.
3. Use an appropriate nozzle to achieve a medium-fine to fine droplet size without exceeding manufacturer recommendations.
4. Aerial applications: 5-7 gallons of water per acre
5. **Always alternate fungicide modes of action when making applications.**
6. Consult labels before tank-mixing fungicides with other crop protection products.
7. **SMBSC does not recommend tank mixing fungicides and glyphosate.**
8. Do not exceed 15 oz/A of Super Tin/Agri Tin 80 WP or 24 oz/A of Super Tin/Agri Tin 4L per season.
9. Some fungicides recommend an adjuvant and/or a sticker/spreader. Example: EBDC products.
10. Do not spray glyphosate within 7 days of a copper fungicide application, as this may cause leaf burn.

Variety Ratings

**higher numbers indicate more susceptible and lower numbers indicate more resistance.*

2019 Approved Varieties

2 year CLS Rating*

SV RR863	3.7
Beta 9780	3.8
Crystal M509	3.8
Beta 9475	4.0
Beta 9505	4.0
Hilleshog 9739	4.1
SV RR862	4.1
Crystal M623	4.2
Beta 9606	4.3
Maribo MA109RR	4.3
Beta 92RR30	4.4
Crystal RR018	4.5
Crystal M380	4.9

** Lower ratings are more tolerant, higher ratings are more susceptible.*

Varieties shown in red have CLS ratings over 4.5 and may require additional sprays to maintain disease control.

Contact your agriculturist with specific questions regarding control of Cercospora Leaf Spot.

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