

# 2021 CLS Quicksheet

## SMBSC CLS Fungicide Principles

- Start with an EBDC alone (application zero) when the leaves between rows are 4 inches apart.
- Always use two effective modes of action in every application after application zero.
- Alternate chemistries and alternate triazole products used during the season.
- Use a spray volume of 20 to 25 gpa (5 to 7 gpa for aerial applications).
- Make fungicide applications on a 10 to 12 day interval, unless environmental conditions dictate otherwise.
  - CLS DIV's will begin posting in June when CLS may become active: [https://www.smbosc.com/Agronomy/CLS\\_DIVvalues.aspx](https://www.smbosc.com/Agronomy/CLS_DIVvalues.aspx)
- Utilize nozzle selection, pressure, and adjuvants to achieve optimal coverage.
  - Optimal droplet size for coverage will depend on wind conditions.
  - A medium droplet size will provide the best coverage in the most situations (200-350 microns).
- Strobilurins, benzimidazoles (Topsin), and SDHI fungicide products are not considered effective tank mix partners.
- 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.

## Variety Ratings

Variety	Rating
Crystal M002	2.1
Beta 9986	2.3
Crystal M951	2.4
Beta 9098	2.7
Beta 9952	2.8
SES-V 862	3.7
Crystal M821	3.8
Beta 9810	4
Crystal M837	4
Beta 9935	4
SES-V 863	4.1
Beta 9780	4.1
Hilleshog 2327	4.2
Hilleshog 2219	4.2
SES-V 881	4.2
SES-V 883	4.3
Crystal M509	4.4
SES-V 894	4.4
Crystal M977	4.6

\* Lower ratings are more tolerant, higher ratings are more susceptible. These are 1 year ratings from 2020.

## Standard Fungicide Program

0. EBDC Alone
1. Triazole + EBDC
2. Tin + EBDC
3. Triazole + EBDC
4. Tin + EBDC *Scout*
5. Triazole + EBDC (copper?)
6. Tin + EBDC

## HCT Fungicide Program

0. EBDC Alone
1. Triazole + EBDC
2. Skip
3. Tin + EBDC *Scout*
4. Skip
5. Triazole + EBDC
6. Skip

\*Small plot research and field observations show that application zero provides significantly better control than fungicide spray programs that started later. Delaying the onset of disease is critical.

Tin Products	Rate/Acre	REI	PHI	Triazole Products	Rate/Acre	REI	PHI
Super Tin 4L	8 oz	48hrs	7 days	Eminent VP/Minerva	13oz	12hrs	14 days
				Provysol	5oz	12hrs	7 days
Agri Tin	5 oz	48hrs	7 days	Inspire XT	7oz	12hrs	21 days
				Proline 480 SC	5.7oz	12hrs	7 days
				Enable 2F	8oz	12hrs	14 days
Agri Tin Flowable	8 oz	48hrs	7 days	Topguard	14oz	12hrs	21 days
				<p><b>*Do not exceed 15 oz/A of Agri Tin 80 WP or 24 oz/A of Super Tin 4L/Agri Tin Flowable per season.</b></p>			

EBDC Products	Rate/Acre	REI	PHI	Premixed Products	Rate	REI	PHI
Manzate Max	1.6 qts	24hrs	14 days	Veltyma <i>Provysol+Headline</i>	10 oz	12hrs	7 days
Manzate Pro-Stick	2 lbs	24hrs	14 days				
Dithane M45	2 lbs	24hrs	14 days	Propulse <i>Proline+SDHI</i>	13.6 oz	12hrs	7 days
Dithane F-45	1.6 qts	24hrs	14 days	Brixen <i>Minerva+Azoxystrobin</i>	21 oz	12hrs	14 days
Koverall	2 lbs	24hrs	14 days	Acropolis <i>Minerva+T-Methyl</i>	32 oz	24hrs	21 days
Penncozeb 80WP	2 lbs	24hrs	14 days	Lucento <i>Topguard+SDHI</i>	5.5 oz	12hrs	21 days
Penncozeb 75DF	2 lbs	24hrs	14 days	Minerva Duo <i>Minerva+Tin</i>	16 oz	48hrs	14 days
<p><b>*There may be other EBDC products available for use in sugar beets. Follow label instructions.</b></p>				Delaro <i>Proline+Trifloxystrobin</i>	11 oz	12hrs	21 days

Copper Products	Rate/Acre	REI	PHI
Badge SC	2 pts	48hrs	0 day
Badge X2	2 lbs	48hrs	0 day
Champion	1.25 lbs	48hrs	0 day
Champ 2 Flowable	2 pts	48hrs	0 day
Cuprofix Ultra	2 lbs	48hrs	0 day
Kocide 3000	1.25 lbs	48hrs	0 day
<p><b>*There may be other copper products available for use in sugar beets. Follow label instructions.</b></p> <p><b>*Do not apply glyphosate within 7 to 10 days of a copper product as this may cause phytotoxicity.</b></p>			

**\*Premixed fungicide products may not contain two effective modes of action (most do not). If these products are used it should be tank mixed with EBDC.**

**\*\*Delaro does not contain a full rate of Proline.**

The information contained in this quicksheet is meant to provide options for a CLS fungicide program for your operation in 2021. However, it can not provide all the details for every application. **Consult your agriculturalist and the product label.**

