



Fungicide Modes of Action (MOA) Families

DMI – Triazoles	EBDC's	Tins – TPTH	Benzimidazole	Qoi - Strobilurin
Provysol Inspire XT Proline Minerva Minerva Duo	Several: Penncozeb Mancozeb Maneb Etc.	Super Tin Agritin	Topsin M Thiophanate Methyl85	Headline Priaxor

- Good resistance management starts with rotating different modes of action
- **Never** use fungicides from the same mode of action back-to-back
 - Except with EBDC's in 5 & 6 application spray programs
 - There is no known resistance to EBDC's

2020 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*						

- * TPTH:
 - Should NOT be used more than twice per year & used only at Full Rate
- ** Benzimidazole (Topsin)
 - Should be used only once per season and NEVER alone.
 - Be aware of 21-day Pre-Harvest Interval.
- *** Triazoles:
 - Not to exceed 50% of total applications in a season.
 - Due to high level of CLS cross resistance, if only two Triazole apps are used, do not use both Provysol & Inspire XT in the same growing season.
 - Consider starting with Triazoles that have longer Pre-Harvest Intervals.
- **** Headline/Priaxor:
 - Time application August 25 through 1st week of September.
- Other Notes:
 - 12-day spray intervals on all products except EBDC alone is 7-8 days.
 - In tank mixing order, dry formulations go in first followed by liquids.
 - Always start with plenty of water and good agitation start to finish.