



Growing Advice for Superior Results

Focus On Canopy Health to Maximize Yield

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For the 2015 production year, remember to remain vigilant in keeping your sugarbeet canopy healthy to maximize photosynthetic potential. On the Ag side of American Crystal Sugar Company, we are tasked/involved with two essential seasons: First, the production season and second, the storage season. Sugar and yield result from photosynthesis and keeping your “solar panels” in the best shape increases your ability to maximize sugar and yield. As you have been accustomed to seeing in previous years, from the mining of our database, three applications of fungicides continues to not only maximize production, these fungicide applications also aid in reducing sugar respiration losses in our long-term storage piles. Three fungicide applications (see 5-Year average tables below) return the highest yields and sugar content and therefore highest returns in dollars per ton and per acre. Stay on top of your Cercospora management, and focus on three fungicide applications. Don’t put yourself in the position of kicking yourself for not investing in three sprays for your crop. Once the sugarbeets are in the pile, it’s too late to make that third Cercospora fungicide investment.

Cercospora Fungicide Crop Data

All American Crystal Sugar Company data and beet payment information is based on 5-year averages (2010-2014)

Yield And Sugar Content by Number of Applications		
# of Apps	Tons/Acre	Percent Sugar
1	23.2	17.71
2	24.8	17.94
3	25.7	18.29

Revenue Per Ton/Acre by Number of Applications		
# of Apps	\$/Ton	\$/Acre
1	54.51	1,265
2	56.06	1,390
3	57.93	1,489

- Fertility
- Variety Selection
- Stand Establishment
- Weed Control
- Disease & Insect Control
- Harvest

YOUR WAY TO GROW

2015 Cercospora Control Recommendations

Late July to Early August (3 Spray Program)

- Application 1- Triazole or TPTH + Triazole
- Application 2- TPTH or TPTH + Benzimidazole
- Application 3- Headline/Priaxor (apply Aug 25 through 1st week of September)

Early to Mid-August (2 Spray Program)

- Application 1- TPTH + Triazole or TPTH + Benzimidazole
- Application 2- Headline/Priaxor (apply Aug 25 through 1st week of September)

Late August (1 Spray Program)

- Headline/Priaxor + TPTH (apply Aug 25 through 1st week of September) or
- Headline/Priaxor + Triazole (apply Aug 25 through 1st week of September)

*Benzimidazoles should be used only once per season and never alone.

**In tank mixing order, dry formulations go in first followed by liquids.

Fungicide Use Information

Fungicide Class/Group	Fungicide	Rate/Acre	REI- (Reentry Interval) Hours	PHI- (Preharvest Interval) Days	Water Volume (Gallons Per Acre)
Triazole	Inspire XT	7.0 oz.	12	21	15 gpa
Triazole	Proline	5.7 oz.	12	7	10 gpa or more
Triazole	Minerva/Eminent	13.0 oz.	12	14	5 gpa or more
Triazole + TPTH	Minerva Duo	16.0 oz.	48	14	20 gpa
TPTH	Super Tin/Agri Tin (dry)	5.0 oz.	48	7	15 gpa or more
TPTH	Super Tin/Agri Tin (liquid)	8.0 oz.	48	7	15 gpa or more
Strobilurin	Headline SC	9.0 oz.	12	7	Sufficient for Coverage
Strobilurin	Priaxor	6.7 oz.	12	7	Sufficient for Coverage
Strobilurin	Gem	3.5 oz.	12	21	10 gpa or more
Benzimidazole	Topsin M 70W/T-Methyl 70 WSB (dry)	0.5 lbs.	24	21	Sufficient for Coverage
Benzimidazole	Topsin 4.5 FL/T-Methyl 4.5 F (liquid)	10.0 oz.	24	21	Sufficient for Coverage
EBDC	Manzate/Penncozeb DF	1.5-2 lbs.	24	14	2 gpa or more

*** This chart is no substitute for the product label. Always refer to the label for details.

**** Contact your Agriculturist for further Cercospora management questions .

Ask David

For prompt answers to your questions and comments, call and leave a message and David Berg or one of his staff will respond to your call as soon as possible.

Shareholders:

Toll Free

1-800-633-8941

We've Got Agronomy Apps for That

The American Crystal Sugar Agronomy App is available for further Cercospora management and DIV (Daily Infection Values) readings for your nearest NDAWN station.