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Issue 601
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www.crystalsugar.com

Reminder to Ag Notes Recipients

We are making the transition to a paperless means of delivering future Ag Notes. This Issue, #601, will be the last issue printed and mailed hard copy (paper). Our plan for shareholders is to issue a text message indicating when the latest issue of Ag Notes will be posted to the www.crystalsugar.com website, which is publicly available to the Allied Industry as well.

Cercospora Leafspot Management Notes



QR code links to
Ag Notes archive at
crystalsugar.com

For this upcoming crop year, Cercospora Leafspot (CLS) management will involve added measures for reducing CLS presence amidst increasing occurrence of fungicide resistance. We continue to wait for final label ruling on potential fungicide availability and use. In the meantime, here are measures to follow as was discussed at this past winter's Your Way to Grow Meetings at your respective district, our recommendations for best overall resistance management strategy are:

1. **Tank mixes** – All fungicide applications should contain more than one chemistry or mode of action. Utilizing all available fungicide chemistry wisely is vitally important to current fungicide options today and tomorrow.
2. **Full Rates** – For these tank mixes, utilize full application rates of each tank mix partner following label recommendations.
3. **Glyphosate tank mixes** – Please decouple glyphosate applications tank mixed with fungicide applications as water volume requirements vary between glyphosate and CLS fungicide applications.
4. **Water volume** – CLS fungicides require excellent coverage as nearly all are contact/coverage oriented products. 15 to 20 gallons of water per acre should be utilized.
5. **Pressure** – For maximum coverage, higher pressure application will provide improved leaf coverage. Utilize 90 – 100 psi application pressure.
6. **Spray nozzles/tips** – Obtain and use proper nozzles for fungicide application (for example, flat fan or spray tips used for applying glyphosate are not recommended).
7. **Tins (TPTH)** – Tin (TPTH) to be used in only two applications per cropping season and only as a tank mix with other chemistry. Tins are vital to CLS management and concerns of overuse may incite further resistance concern.
8. **EBDC's (Mancozeb/Manzate)** – EBDC chemistry will be included in our fungicide management plan as a tank mix partner.



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

Your Way
TO GROW



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

**Shareholders:
1-800-633-8941**

9. **Headline/Priaxor (Strobilurin)** – Amidst increasing resistance to this chemistry/mode of action, Headline/Priaxor remain in our recommendation for harvest frost deterrence and plant health benefits and only in concert with a tank mix of Tin (TPTH) at full rate. Your Agriculturist has resistance information pertaining to your region on Headline/Priaxor recommendations.
10. **Topsin (Benzimidazole)** – To only be used with tank mix (e.g. Tins TPTH) and only once per season.
11. **Infection values** – The current Cercospora Model works well, pay attention to Daily Infection Values (DIV's) and weather forecasts for fungicide application timing. NDAWN website or Crystal Agronomy App.
12. **Spray intervals** – the time between applications should not exceed 14 days, plan best as possible around adverse weather conditions (rain, wind, hail).
13. **No chemistries back to back** – Pay attention to chemistry and classes of fungicides while focusing on not applying same chemistry back to back.
14. **Contact Agriculturist** – For further details in regards to your growing region, please contact your Agriculturist.



HERBICIDE DISTRIBUTION PROGRAM

PROGRAM PURPOSE

TO DISTRIBUTE THE REMAINING CONVENTIONAL HERBICIDE REMAINING IN INVENTORY FROM THE 2010 ROUND-UP READY CONTINGENCY PLAN

Who can participate?

- Any active American Crystal Sugarbeet grower

How do I request the chemical?

- Beginning May 8th at 8am, log on to your shareholder records by visiting www.crystalsugar.com, click on members only and then click on shareholder records
 - The site should take you directly to the request page
 - If you have inability to log in, please contact your Agriculturist for assistance
 - You must fill in all fields of the request form
- Requests will be filled on a FIRST COME FIRST SERVE basis
- American Crystal Sugar Company reserves the right to prorate any request as needed



CONTACT YOUR AGRICULTURIST

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