

AGNOTES

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Weed, Insect, & Disease Control

The proper timing of pesticide applications is one of the biggest factors for successful control. Historical knowledge of the field and scouting help in identifying the potential pest pressures and to get the timing of applications right. These applications can be lay-by soil applied herbicides to control glyphosate resistant waterhemp before they emerge, treating emerged weeds such as common ragweed when they are less than 2", Rhizoctonia fungicide applications at the sugarbeet 4-8 leaf stage, or an insecticide application to control sugarbeet root maggot flies as they reach economic thresholds.

Below are details and resources focused on controlling these sugarbeet production concerns ([Follow the Blue links](#)). And as always, contact your Agriculturist for more information.

[ACSC Weed Control Resources](#)

[2026 Sugarbeet Weed Management Recs](#)

Kochia - Is the earliest emerging problematic weed and requires early control measures. Treating "dime-sized", "puff-ball" seedling kochia is paramount for control.

- [Spin-Aid](#) used for kochia control needs to be an initial part of the plan and is not a rescue treatment.
- Treatments need to occur on "dime-sized" kochia.
- Rates are determined based on kochia & sugarbeet size.
- Tallow Amine containing NIS adjuvants can provide control benefits.
 - Dr. Peters' research has shown some increase in levels of control with use.
 - Examples of tallow amine products: Level Best Pro, Last Chance Pro, Full Load, GlyLoad.



Common Ragweed - An early season weed, emerging just after kochia. There are areas where it has become increasingly tough to control as well.

- Use Stinger HL @ 1.8 oz./Acre 2 times
- Time treatments when ragweed is 2" or less in size.
- Plan for 2 treatments for control.

Waterhemp - Emerges later than kochia, however it continues to emerge throughout the growing season.

- The best control practice requires **layering** soil applied herbicides to create a barrier to prevent waterhemp emergence.
- This is accomplished through a PPI/PRE application followed by [2 Lay-by herbicide applications](#).

Common Lambsquarters - Emerges about the same time as common ragweed. At times it can be difficult to control due to a very waxy leaf cuticle, especially in dry conditions.

- Plan on 2 treatments for control.
- Maximize PowerMax3 rate
- Use a high quality NIS adjuvant.
- Adding Spin-Aid can help increase control.



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ACSC Insect Control Resources

Sugarbeet Root Maggot (SBRM)

2026 SBRM Management Recommendations

Use well-timed, effective POST insecticides to knock down the SBRM fly population. This reduces the number of eggs that are laid and therefore the resulting maggot population that the At-Plant insecticide must control.

- Thimet @ 7 lbs./acre applied 5-15 days prior to peak fly activity.
- Post liquid insecticide applications should be made as fly populations build at accumulated increments of 70-100 flies/stake.
- Post liquid insecticides include state registered chlorpyrifos products (ex. Pilot 4E), Mustang Maxx, or Asana XL.
- Only chlorpyrifos products that are labeled for use in their respective state can be used on sugarbeets.
 - Contact your Agriculturist with questions.
- **2026 Fly Stake Counts will be posted online or call Agriculturist.**
- [Link to SBRM Degree Days](#)



Complex Tank Mixtures
 When tank-mixing pesticides by combining herbicides, insecticides, or fungicides into one application, considerations need to be made in regard to crop safety. There are some combinations that are safe, of some concern, or heightened concern, or are not recommended at all. See link to [Complex Tank Mixtures](#) recommendations developed in coordination with Dr. Peters.

 **Contact Your Agriculturist**
 Contact your American Crystal Agriculturist for the most up-to-date information on issues affecting sugarbeets in your area.



ACSC Disease Control Resources

Rhizoctonia

2026 Rhizoctonia Management Recs

Rhizoctonia Management Map

All sugarbeet seed comes with Rhizoctonia fungicide seed treatment, but some scenarios may require a POST Rhizoctonia fungicide application.

- A POST Rhizoctonia fungicide may still be necessary depending on Rhizoctonia pressure based on field history, crop rotation, previous crop, and the tolerance of the planted variety.
- Time POST Rhizoctonia fungicide treatments at the 4 - 8 leaf sugarbeet stage.
- Rhizoctonia Fungicide tank-mixing
 - **Excalia** Rhizoctonia fungicide
 - No concerns of Excalia causing injury when added to complex tank-mixes.
 - No concerns tank-mixing Excalia with only Mustang Maxx or only liquid chlorpyrifos insecticides.
 - **Quadris (azoxystrobin)** Rhizoctonia fungicide
 - To avoid sugarbeet injury:
 - Do not tank-mix Quadris with **oil based** conventional pesticides/adjuvants.
 - Time application 3 days before or after a conventional pesticide application.
 - Do not tank-mix with liquid Chlorpyrifos insecticide.
 - No concerns with tank-mixing Quadris with PowerMAX3 & Stinger HL.
 - No concerns tank-mixing Quadris with only Mustang Maxx insecticide.



2026 Sugarbeet Production Guide