

2024 Sugarbeet Weed Management Recommendations

This is not a substitute for reading product labels/Contact Agriculturist for further information

Resistant Waterhemp Management

PPI/PRE:	*1st Application On 2-Leaf Sugarbeets:	*2nd Application 10-14 Days After Treatment:	*3rd Application 10-14 Days After Treatment:	***Rescue Treatment
Ethofumesate = 2-3 pt/A & **Dual Magnum = 0.5-0.75 pt/A -OR- Ethofumesate = 5-7.5 pt/A -OR- **Dual Magnum = 0.75 - 1.0 pt/A	PowerMAX 3 [®] = 25 - 30 fl oz/A + Outlook = 12 fl oz/A -OR- Dual = 1 pt/A -OR- Warrant = 3 pt/A + ^Ethofumesate = 4-6 fl oz/A + Betamix = 12 fl oz/A -OR- Progress = 9 fl oz/A	PowerMAX 3 [®] = 20 - 25 fl oz/A + Outlook = 12 fl oz/A -OR- Dual = 1 pt/A -OR- Warrant = 3 pt/A + ^Ethofumesate = 4-6 fl oz/A + Betamix = 16 fl oz/A -OR- Progress = 12 fl oz/A	PowerMAX 3 [®] = 20 fl oz/A + ^Ethofumesate = 4 fl oz/A + Betamix = 16 fl oz/A -OR- Progress = 12 fl oz/A	***Ultra Blazer = 16 fl oz/A & NIS @ 0.125% v/v Contact Agriculturist due to timing environmental conditions and adjuvant use. Target waterhemp less than 4" tall Application prior to 6-leaf stage will increase the likelihood of sugarbeet injury Refer to Ag Note Issue #624 *** Pending Section 18 Approval

** Dual Magnum - Recommended to be used as a PRE and not as a PPI.
 Syngenta requires farmers to sign indemnified label for PPI/PRE
 application and must be the branded product

*Use following Adjuvants for glyphosate/conventional herbicide tank-mix

AMS = 1 lb/A + HSMOC = 1 pt/A + NIS = .25% v/v

^Ethofumesate: Max = 12 oz/A POST (talk to Agriculturist about rates & options)

[Refer Ag. Note Issue # 631](#)

Resistant Ragweed Management

*1st Application On Cotyledon Sugarbeets:	*2nd Application 10-14 Days After Treatment:	*3rd Application 10-14 Days After Treatment (if needed):
PowerMAX 3 [®] = 25 - 30 fl oz/A + Stinger = 3 - 4 fl oz/A -OR- Stinger HL = 1.8 - 2.4 fl oz/A	PowerMAX 3 [®] = 20 - 25 fl oz/A + Stinger = 3 - 4 fl oz/A -OR- Stinger HL = 1.8 - 2.4 fl oz/A	PowerMAX 3 [®] = 20 fl oz/A + Stinger = 3 - 4 fl oz/A -OR- Stinger HL = 1.8 - 2.4 fl oz/A

* Use following Adjuvants for glyphosate/conventional herbicide tank-mix

AMS = 1 lb/A + NIS = .25% v/v

Stinger HL rate is 60% of Stinger.

Target small Ragweed

[Refer Ag Note Issue #631](#)

2024





Resistant Kochia Management



PPI/PRE:	** Preemergence Burndown:	*1st Application On Cotyledon Kochia/ Cotyledon Sugarbeets:	2nd Application 5 Days After 1st Application	*3rd Application 5 Days After 2nd Application
Ethofumesate = 6-7.5 pt/A Requires rain or tillage for activation.	Gramoxone SL 3.0 = 1.3 - 2.7 pt/A + NIS = 1 qt/A **Sugarbeets emerged at time of application will be killed.	Spin-Aid® = 16 fl oz/A + ^Ethofumesate = 4 - 6 fl oz/A + PowerMAX 3® = 25 - 30 fl oz/A	Spin-Aid® = 24 fl oz/A + ^Ethofumesate = 4 - 6 fl oz/A	Spin-Aid® = 32 fl oz/A + ^Ethofumesate = 4 - 6 fl oz/A + PowerMAX 3® = 25 - 30 fl oz/A

*Use following Adjuvants for glyphosate/conventional herbicide tank-mix
AMS = 8.5 lb/100 gal water + HSMOC = 1 - 1.5 pt/A + NIS = .25% v/v
[Refer Ag. Note Issue #630 on Spin-Aid](#)
^Ethofumesate: Max = 12 oz/A POST (talk to Agriculturist about rates, & options)

Spin-Aid® herbicide is not a rescue treatment!
be a pre planned herbicide program.

Must
Contact Agriculturist due to timing environmental conditions and adjuvant use.

Maximum Glyphosate Labeled Rates

Roundup PowerMAX 3® (4.8 lb a.e): Refer to Glyphosate Equivalence Sheet for other formulation information

50 oz/A total maximum up to 8-lf stage, 30 oz/A maximum single application
40 oz/A total maximum after 8-lf stage, 20 oz/A maximum single application
90 oz/A total maximum per growing season, emergence through harvest

* Minimum of 10 days between glyphosate applications
* HSMOC adjuvant is suggested when tank-mixing glyphosate with Conventional herbicides to avoid antagonism
* Always include AMS at 1 lb/A or liquid equivalent with any glyphosate application **Unless Mixing with Lay-by (oil), Consider using ¾ Rate.
* All applications are based on Broadcast Rate*

- Product Notes:**
- **Stinger®:** Labeled on cotyledon to 8-lf sugarbeets; total maximum per season = 10.7 fl oz/A (6.4 fl oz/A for Stinger HL); 45-day PHI
 - **Ethofumesate:** up to 7.5 pt/A PRE or PPI; up to 12 oz/A POST
 - Ethofumesate PHI's:
 - Ethotron SC – 90 days
 - Ethofumesate 4SC, Maxtron 4SC - 45-day
 - Nortron® – No labeled PHI
 - **Betamix® & Progress®** = 75-day PHI
 - **Outlook®:** total maximum in season = 24 oz/A; <21 oz/A in single app. See plantback; 60-day PHI
 - **Dual Magnum® & Generics** {(S-metolachlor) (see top page for pre note)}; max season post <2.6 pts/A; 60-day PHI
 - **Warrant®** = 70-day PHI
 - **Ultra Blazer®** = 45-day PHI. Do not apply Ultra Blazer after July 29th
 - **Spin-Aid®** = 75-day PHI

- Tank-mixing Order for Glyphosate and Conventional Herbicides**
1. Fill spray tank 1/2 full of clean water (warmed water is best)
 2. If used – slurry UpBeet, Warrant in warm water (WDG's)
 3. Add AMS liquid or dry (water conditioner)
 4. If used – Add slurried WDG to tank
 5. If used – Add Ethofumesate (SC)
 6. Fill 2/3 full of water
 7. Add Betamix, Progress, Outlook, Dual Magnum (EC), Spin-Aid
 8. If used - Add Stinger (SL)
 9. Add glyphosate
 10. Add additives (NIS, COC, MSO, HSMOC and drift/deposition agents)
 11. Finish filling spray tank – continue agitation
 12. Spray tank empty as soon as possible