

2022 Sugarbeet Weed Management Recommendations



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

Resistant Waterhemp Management

PPI/PRE: Ethofumesate = 1-3 pt/A & *Dual Magnum = 0.5 pt/A -OR- Ethofumesate = 6-7.5 pt/a -OR- *Dual Magnum = 0.5 pt/A

*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

1st Application on 2-Leaf Sugarbeets:

PowerMAX® = 28 - 32 fl oz/A -OR- PowerMAX® 3 = 26 - 30 fl oz/A	Betamix = 12 fl oz/A -OR- Progress = 9 fl oz/A	Ethofumesate = 4 fl oz/A	Outlook = 12 fl oz/A, -OR- Dual = 1 pt/A, -OR- Warrant = 3 pt/A
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2nd Application 10-14 Days After Treatment:

PowerMAX® = 24 - 28 fl oz/A -OR- PowerMAX® 3 = 22 - 26 fl oz/A	Betamix = 16 fl oz/A -OR- Progress = 12 fl oz/A	Ethofumesate = 4 fl oz/A	Outlook = 12 fl oz/A, -OR- Dual = 1 pt/A, -OR- Warrant = 3 pt/A
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3rd Application 10-14 Days After Treatment:

PowerMAX® = 22 fl oz/A -OR- PowerMAX® 3 = 20 fl oz/A	Betamix = 22 fl oz/A -OR- Progress = 1 pt/A	Ethofumesate = 4 fl oz/A
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Use following Adjuvants for glyphosate/conventional herbicide tank-mix	HSMOC = 1 pt/A	NIS = .25% v/v	AMS = 1 lb/A
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**Rescue Treatment: Ultra Blazer 16 fl oz/A + NIS @ 0.125% v/v (Can only be tank-mixed with glyphosate & AMS)
Contact Agriculturist due to timing environmental conditions and adjuvant use.**



Resistant Kochia Management

PPI/PRE: Ethofumesate = 6 – 7.5 pt/A

1st Application on Cotyledon Kochia:

PowerMAX® = 28 - 32 fl oz/A -OR- PowerMAX® 3 = 26 - 30 fl oz/A	Betamix = 12 fl oz/A -OR- Progress = 9 fl oz/A	Ethofumesate = 4 fl oz/A
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2nd Application 10-14 Days After Treatment - Cotyledon Kochia & 4 lf Sugarbeet:

PowerMAX® = 24 - 28 fl oz/A -OR- PowerMAX® 3 = 22 - 26 fl oz/A	Betamix = 16 fl oz/A -OR- Progress = 12 fl oz/A	Ethofumesate = 4 fl oz/A
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3rd Application 10-14 Days After Treatment:

PowerMAX® = 22 fl oz/A -OR- PowerMAX® 3 = 20 fl oz/A	Betamix = 22 fl oz/A -OR- Progress = 1 pt/A	Ethofumesate = 4 fl oz/A
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4th Application 10-14 Days After Treatment (if needed):

PowerMAX® = 22 fl oz/A -OR- PowerMAX® 3 = 20 fl oz/A	Betamix = 2-3 pt/ -OR- Progress = 1.5-2.2 pt/A
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• Use following Adjuvants for glyphosate/conventional herbicide tank-mix	HSMOC = 1 pt/A	NIS = .25% v/v	AMS = 1 lb/A
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Resistant Ragweed Management

1st Application on Cotyledon Sugarbeets:	PowerMAX® = 28 - 32 fl oz/A -OR- PowerMAX® 3 = 26 - 30 fl oz/A	Stinger = 3 - 4 fl oz/A -OR- Stinger HL = 1.8 - 2.4 fl oz/A
2nd Application 10-14 Days After Treatment:	PowerMAX® = 24 - 28 fl oz/A -OR- PowerMAX® 3 = 22 - 26 fl oz/A	Stinger = 3 - 4 fl oz/A -OR- Stinger HL = 1.8 - 2.4 fl oz/A
3rd Application 10-14 Days After Treatment (if needed):	PowerMAX® = 22 fl oz/A -OR- 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	NIS = 0.25%v/v	AMS =1 lb/A Stinger HL rate is 60% of Stinger.



Maximize glyphosate labeled Rates

Roundup PowerMAX® 3 (4.8 lb a.e): 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, 22 oz/a maximum single application 90 oz/A total maximum per growing season, emergence through harvest	Roundup PowerMAX® (4.5 lb a.e): 56 oz/A total maximum up to 8-lf stage, 32 oz/A maximum single application 44 oz/A total maximum after 8-lf stage, 22 oz/a maximum single application 96 oz/A total maximum per growing season, emergence through harvest
• Minimum of 10 days between glyphosate applications *All applications are based on Broadcast Rate*	
• HSMOC adjuvant is required 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.	

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 & Nektron SC – 45 days
 - Nortron – No labeled PHI
- **Betamix & Progress** = 75-day PHI
- **Glyphosate** = 30-day PHI (see top page for in season totals)
- **UpBeet:** total maximum per season = 2.5 oz/A; 60-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

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**)
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