

# Weed Control Quicksheet

Post emergence weed control options in sugar beets are very limited. Utilizing a pre-emergence product along with a lay-by application(s) is currently our best option for optimizing waterhemp control. The information contained in this quicksheet is meant to provide options for a weed control program for your operation in 2021. However, it can not provide all the details for every application. **Consult your agriculturist and the product label.**

## Pre-Emerge Herbicide Options

Herbicide	Rate	Cover Crop Compatibility	Additional Notes
Dual Magnum*	0.5 to 0.75 pt/A depending on organic matter	Yes	Some risk of beet injury on low organic matter soils in cool/wet conditions.
Ethofumesate**	Up to 7.5 pt/acre	No, unless using less than 2 pt/A	Good on waterhemp. Higher rates will carry longer into the season.
Eptam	2.3 to 3.4 pt/A	Stunts cover crop	<u>Must be incorporated</u> . Some risk of beet injury.
Ro-Neet SB	4 to 5.3 pt/A	Stunts cover crop	<u>Must be incorporated</u> .

\*Indemnification form needed to use pre-emerge Dual Magnum in sugar beets. Go to <https://www.syngenta-us.com/labels/indemnified-label-login>

\*\*Ethofumesate products labeled for sugar beet: Nortron SC, Ethofumesate 4SC, Ethotron SC, and Nektron SC.

## Lay-by Herbicide Options

Herbicide	Single Application Rate	Split Application Rate	Additional Notes
Dual Magnum (or generic S-metolachlor)	1 to 1.66 pt/A Cannot exceed 2.67 pt/A postemergence.	1 pt/A	Needs 0.5" of rain needs for activation. 60 day PHI. <i>Be aware of generic S-metolachlor products not labeled for sugar beets.</i>
Outlook	18 to 21 oz/A	12 oz/A (24 oz/A max use rate if split applied)	Only needs 0.25" of rain for activation. Cannot replant to sugar beet. 60 day PHI or 95 day PHI if applied from 9 to 12 leaf beets.
Warrant	2.5 to 4 pt/A Cannot exceed 8 pt/A in a season.	2 to 3 pt/A	Needs at least 0.75" of rain for activation. Cannot replant to sugar beet. 70 day PHI.

Crop injury risk is higher for single applications compared to split applications made a lower rates.

## Broadleaf Herbicide Options

Herbicide	Rate	Target Weed Stage	Additional Notes
<b>Glyphosate (PowerMax)</b>	Emergence to 8 leaf beets: 32 oz/A (max of 56 oz/A Total from emergence to 8 leaf beets)  8 leaf to canopy closure: 22 oz/A (max of 2 applications)	Small weeds under 1" for best control.	These rates are based on PowerMax and WeatherMax rates. When using a generic product make sure you are using the same acid equivalent. Always use AMS and add that to the tank before the glyphosate. 30 day PHI.
<b>Stinger (clopyralid)</b>	4 to 8 oz/A	2 leaf weeds	Good on giant ragweed and volunteer soybean. May cause some temporary cupping of sugar beet leaves. Can be mixed with glyphosate or Sugarbeet Mix. 45 day PHI.
<b>Sugar Beet Mix</b>	See the Sugar Beet Mix Quicksheet or talk to your agriculturalist for a recommendation. The Sugar Beet Mix rate depends on the size of sugar beets, the size of the weeds, and tank mix partners.		

## Grass and Volunteer Corn Herbicide Options

Herbicide	Rate	PHI	Additional Notes
<b>Assure II</b>	7 to 12 oz/A	45 day PHI	<ul style="list-style-type: none"> <li>A spray adjuvant is recommended with these products.</li> <li>Spring cover crop <u>cannot</u> be terminated prior to 4 leaf beets.</li> <li>All products can be tank-mixed with glyphosate. Be aware of adjuvant requirements for these herbicides.</li> <li>If crop oil is required and application is tank-mixed with glyphosate use an HSMOC adjuvant.</li> </ul>
<b>Clethodim (generic Select)</b>	4 to 8 oz/A	40 day PHI	
<b>Fusilade DX</b>	5 to 12 oz/A	<b>90 day PHI</b>	
<b>Poast</b>	8 to 24 oz/A	60 day PHI	
<b>Select Max</b>	9 to 16 oz/A	40 day PHI	

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Updated February 9, 2021

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