

SMBSC Weed Management Quicksheet for 2019

The information contained in this quicksheet is meant to provide options for a weed control program for your operation in 2019. This quicksheet can not provide all the details for every application. **Consult your agriculturist and the product labels with questions.**

Pre-emergence Herbicide Options

<u>Product</u>	<u>Rates</u>	<u>Cover Crop Compatible</u>	<u>Comments</u>
1. Ethofumesate - (Nortron SC and generic Etho products)	6-7.5 pt./A Broadcast 3-3.75 pt./A in 11"band	No Yes- Strips	Good on waterhemp 90 day PHI
2. Dual Magnum Indemnification Form Needed Go to farmassist.com & click on Products then Indemnified Labels	0.5-1 pt/A depending on soil organic matter	May stunt cover crop	Some beet injury risk 60 day PHI
3. Eptam	2.3-3.4 pt./A	Stunts CC	Some beet injury risk 49 day PHI
4. Ro-Neet SB	4-5.3 pt./A	Stunts CC	
5. Ethofumesate+Dual Magnum Indemnification Form Needed	1-3 pt/A Etho + 0.5-0.75pt/A Dual Magnum	Stunts CC- Depends on rate	With a cover crop use 1-2 pt Etho. May damage cover crop 0.5pt Dual Magnum on low OM soils

Lay-by Herbicide Options

	<u>Rates</u>	<u>PHI</u>	<u>Comments</u>
1. Dual Magnum (and generic S-metolachlor)	1-1.66 pt / A	60 Days	Apply after 2 leaf sugarbeets
2. Outlook (and generic dimethenamid-P)	15-21 oz / A	60 Days, 95 if applied 12 lf or later	Apply after 2 leaf sugarbeets, can be split applied
3. Warrant	1.25-2 quarts / A	70 Days	Apply after 2 leaf sugarbeets
4. Treflan	1.5 pint/A	No PHI	Some beet injury risk, requires mechanical incorporation
5. Sequence Dual + Touchdown (Glyphosate) premix	2.5-3 pint/A	60 Days	Apply after 2 leaf sugarbeets

* Be aware of glyphosate maximum rates

Post-emergence for glyphosate resistant ragweed and vol. soybeans

Stinger (clopyralid) - Several generic formulations available

- Rates range from 4-10 ounces. Rates lower than 4 ounces may not control weeds.
- Need 6-8 oz/acre total to control glyphosate resistant ragweed.
- Spray two leaf weeds, not cotyledon or large weeds.
- May cause some temporary cupping of sugarbeet leaves.
- Can be mixed with glyphosate or Betamix.
- 45 day pre-harvest interval.
- Late applications with high rates can carryover to following soybean crop.

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Glyphosate Applications

1. Spray small weeds (under 1" for best control)
2. Always use the highest labeled rate of glyphosate for each application timing.
3. Always be sure to use Ammonium Sulfate at 8.5#/100 gallons or a high quality AMS replacement.
4. Ammonium Sulfate should be added to tank before any glyphosate is added.
5. Addition of non-ionic surfactants will increase control. Read the label of the glyphosate product you are applying for specifics.

**AE is acid equivalent. Glyphosate formulations differ on their acid equivalent. The table below shows product rates per acre for different acid equivalent glyphosates.

<u>lb. ae/gal.</u>	<u>ounces of product per acre</u>			
	<u>.77 lb. ae</u>	<u>.84 lb. ae</u>	<u>.98 lb. ae</u>	<u>1.125 lb. ae</u>
3	32	36	41	48
4.5	22	24	28	32
5	20	21.6	25	28.8

Maximum single application from emergence to 8 leaf = 1.125 lb. ae

Maximum single application after 8 leaf = 0.77 lb. ae

Total maximum applications from emergence to 8 leaf = 1.96 lb. ae

Total maximum applications after 8 leaf = 1.54 lb. ae

Volunteer Corn, Cover Crop, and Grass Herbicide Recommendations

<u>Product Name</u>	<u>Rates</u>	<u>PHI</u>	<u>Comments</u>
Assure II	7-12 oz/A	45 days	
Clethodim (generic Select)	4-8 oz/A	40 days	
Fusilade DX	5-12 oz/A	90 days	Note long pre-harvest interval
Poast	8-24 oz/A	60 days	
Select Max	9-16oz/A	40 days	

-A spray adjuvant is recommended with all these products.

-Spring cover cannot be exterminated prior to 4 leaf beets

-All products can be mixed with glyphosate. Be aware of adjuvant requirements for these herbicides.

-If crop oil is required and application is tank-mixed with glyphosate - Use an HSMOC adjuvant.

Addition of Sugarbeet Mix to Glyphosate Applications

See Directions on Sugarbeet Mix Quicksheet.

Be aware of mixing information and spray timing surrounding glyphosate applications.

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Herbicide Quicksheet developed by SMBSC, Mark Bloomquist Production Agronomist - Jan. 22, 2014

Updated -January 28, 2019. Chris Dunsmore - Agriculturist