



Glyphosate formulations approved for RR[®] Sugarbeet in 2014*

3.0 lb Acid Equivalent	3.7 lb Acid Equivalent	4.0 lb Acid Equivalent	4.17 lb Acid Equivalent	4.5 lb Acid Equivalent	4.7 lb Acid Equivalent	5.0 lb Acid Equivalent	
Abundit Extra Alecto 41 HL Alecto 41S Alecto 41 UL Axss Glyphosate Plus (ND only) Buccaneer Buccaneer Plus Bullseye (MN only) Clean Field 41% Plus Clearout 41 Plus Consus Glyphosate 41% Plus Cornerstone Cornerstone Plus Credit 41 Credit 41 Extra CropSmart - Glyphosate 41 Plus Crop-Sure Glyphosate Plus Eraser A/P Four Power Plus Genesis Extra II Glycana Plus 41 Glyfine Plus Glyfos X-TRA Glypho 41 Glyphogan Glyphogan Plus Glyphosate Plus Glysort Glysort Plus	Gly Star Original Gly Star Gold Gly Star Plus Gly Supreme Plus Gly-4 Plus Grandslam 4XS Helosate Plus Advanced Honcho Honcho Plus Imitator Plus Mad Dog Mad Dog Plus Makaze Makaze Yield Pro Mirage Mirage Plus Quali-Pro - Glyphosate Plus Rascal Rascal Plus Rascal Plus EX (ND) Shar-Max Glyphosate 41% SL (ND only) Showdown Strikeout Extra Strikeout Loaded Tomahawk 4 Willowood - "Glyphosate 41% (ND only) Wise Up Plus Z-Glyphosate 41% Max	Buccaneer 5 Extra Credit 5	Cornerstone 5 Plus Duramax Durango DMA Gly Star 5 Extra Glyfine 5 plus RapidFire Tomahawk 5	Touchdown CT2 Touchdown - Total Traxion	Credit Extreme Roundup - OriginalMAX Roundup - PowerMAX Roundup - WeatherMAX	Helosate 70	Touchdown - HiTech
<h2><u>I M P O R T A N T N O T E S</u></h2> <p> Full adjuvant load = add NIS (0.25% v/v), unless prohibited by label Partial adjuvant load = add NIS (0.25 to 0.5% v/v), unless prohibited by label No adjuvant load = no NIS in product; NIS (0.5 to 1.0% v/v) is required </p> <p> Please read and follow label directions. The label on the container being used must allow for the application of the product over Roundup Ready[®] sugarbeet </p> <p style="text-align: center;"> *Do Not refer to this table after the 2014 growing season </p> <p> SG Formulations: Roundup UltraDry; Helosate 75SG and Cleanfield 88.8 WDG </p> <p> One additional formulation: Gly-N-GO (95% SG (soluble granule) requiring addition of N-GO (adjuvant) which is included) </p>							
Updated by Tom Peters, Extension Sugarbeet Agronomist, NDSU/UofMN							

Equivalent Rate for Different Formulations*

Formulation lb/Gal Acid Equivalent	Ounces Need to Apply Acid Equivalent Rates		
	0.75 lbs/A	0.98 lb/A	1.125 lb/A
5.0	18	24.5	28
4.7	20	26	30
4.5	22	28	32
4.17	23	30	34.5
4.0	24	31	36
3.7	26	33	38
3.0	32	41	48

* Use of generic glyphosate will disqualify growers from the Monsanto Rewards Program on other crops

Tips on Maximizing Weed Control with Glyphosate Products

- Use maximum allowable rates in every application
- Weed control is best when sprays are made between 9 a.m. and 5 p.m.
- Ideal temperatures for applying glyphosate are 65 to 85 F
- Apply to small, actively growing weeds, 1-2 inch tall to maximize control
- Add a high quality nonionic surfactant at 0.25% v/v to fully loaded formulations (unless prohibited) to improve common lambsquarters control, add 0.25 to 0.50% to partially loaded formulations and add 0.5 to 1.0% v/v to non-loaded formulations
- Add 8.5 to 17 lb AMS per 100 gallon spray solution
- Reduced spray volumes (5-10 GPA) improves weed control if coverage is good
- Rain within 4-6 hours after application may reduce control
- Avoid spraying with dust on plants
- Avoid spraying with heavy dew on plants, some dew is fine
- Cool weather slows activity and increases length of time needed to kill weeds
- Frost immediately before application will usually reduce control
- Extended dry soil conditions creates slow weed growth and reduces glyphosate activity
- Delay cultivation at least one day after glyphosate application on annual weeds to maximize weed control
- Air temperature over 95 degrees F and low humidity during application can reduce weed control
- Avoid mixing foliar fertilizers with glyphosate whenever possible
- Time between glyphosate applications should be 10 days or greater depending on weed size and density
- Don't spray after sunset – weed control can be reduced

Contact your
agriculturist and
Extension Sugarbeet
Weed Control
Agronomist if you
suspect you have
resistant weeds in
any field