

**Table 2.2-1a. Selected glyphosate products and premixes for agronomic use.**

Currently, numerous products contain glyphosate. Most of them are labeled for “burndown”/preemergence and/or spot applications. The majority, but not necessarily all, of the products below are labeled for over-the-top application in Roundup Ready crops (namely, RR corn and RR soybean). Refer to the product label for additional information on crop use, formulation, application rates, and other use restrictions.

Product and Amount of Glyphosate/ Gallon <sup>1</sup>	Company	Product Rate (fl oz) Equivalent to:				Formulation	
		0.375 lb ae	0.56 lb ae	0.75 lb ae	1.13 lb ae	Salt <sup>2</sup>	Adjuvant Load <sup>3</sup>
<b>5 lb ae/5.5 lb ai</b>							
Touchdown HiTech	Syngenta	10	14	19	29	Potassium	minimal
<b>4.5 lb ae/5.5 lb ai</b>							
Roundup WeatherMax	Monsanto	11	16	22	32	Potassium	fully loaded
Roundup PowerMax	Monsanto	11	16	22	32	Potassium	fully loaded
<b>4 lb ae/5 lb ai</b>							
Debit TMF	Nufarm	12	18	24	36	IPA	minimal
Durango DMA/Duramax 4S (5.4 ai)	Dow AgroSciences	12	18	24	36	Dimethylamine (DMA)	fully loaded
Gly Star 5	Albaugh/AgriStar	12	18	24	36	IPA	minimal
Roundup Custom	Monsanto	12	18	24	36	IPA	minimal
Touchdown Total	Syngenta	12	18	24	36	Potassium	fully loaded (IQ system)
<b>3.7 lb ae/5 lb ai</b>							
Roundup Ultra Max	Monsanto	13	20	26	40	IPA	fully loaded
<b>3 lb ae/4 lb ai</b>							
Buccaneer	Tenkoz	16	24	32	48	IPA	partial
Buccaneer Plus	Tenkoz	16	24	32	48	IPA	fully loaded
ClearOut 41	CPT	16	24	32	48	IPA	partial
ClearOut 41 Plus	CPT	16	24	32	48	IPA	fully loaded
Cornerstone	Agrilience	16	24	32	48	IPA	partial
Credit	Nufarm	16	24	32	48	IPA	partial
Credit Extra	Nufarm	16	24	32	48	IPA	fully loaded
Credit Duo Extra	Nufarm	16	24	32	48	IPA + monoammonium	fully loaded
Gly-4	UPCA	16	24	32	48	IPA	partial
Gly-4 Plus	UPCA	16	24	32	48	IPA	fully loaded
Glyfos	Cheminova	16	24	32	48	IPA	partial
Glyfos Xtra	Cheminova	16	24	32	48	IPA	fully loaded
Gly Star Original	Albaugh/AgriStar	16	24	32	48	IPA	partial
Gly Star Plus	Albaugh/AgriStar	16	24	32	48	IPA	fully loaded
Glyphogan	MANA	16	24	32	48	IPA	partial
Glyphomax	Dow AgroSciences	16	24	32	48	IPA	partial
Glyphomax Plus	Dow AgroSciences	16	24	32	48	IPA	fully loaded
Glyphosate 4	FarmSaver.com	16	24	32	48	IPA	partial
Glyphosate Herbicide	DuPont	16	24	32	48	IPA	partial
Honcho	Monsanto	16	24	32	48	IPA	minimal
Honcho Plus	Monsanto	16	24	32	48	IPA	fully loaded
Makaze	UAP	16	24	32	48	IPA	partial
Mirage	UAP	16	24	32	48	IPA	partial
Mirage Plus	UAP	16	24	32	48	IPA	fully loaded
Rattler	Helena	16	24	32	48	IPA	partial
Rattler Plus	Helena	16	24	32	48	IPA	fully loaded
Roundup Original	Monsanto	16	24	32	48	IPA	partial
<b>3 lb ae/3.7 lb ai</b>							
Touchdown IQ	Syngenta	16	24	32	48	diammonium	fully loaded (IQ system)

1. Glyphosate products can be formulated to have different concentrations of glyphosate acid per gallon of product. To improve handling, performance, and concentration, the glyphosate acid is formulated as a salt compound. Acid equivalent (ae) is only the weight of the glyphosate acid, which is herbicidally active. Active ingredient (ai) is the weight of the glyphosate acid plus the salt. It is best to refer to ae when comparing glyphosate products and rates.

2. Glyphosate can be formulated as different salts: isopropylamine (IPA), monoammonium, diammonium, or potassium.

3. Some glyphosate products contain all the necessary adjuvants (i.e., fully loaded). Others contain only a limited amount and additional surfactants must be added to the tank before application. All brands of glyphosate recommend adding ammonium sulfate (AMS), if using hard water as a carrier or under other challenging conditions. If using AMS, always add it to the spray solution before glyphosate. Refer to product label for more information.