

**Soybean Herbicide Premixes:
Ingredients and Equivalent Rates**

Herbicide/Ingredients	lb ai/gal or %	Rate of: (per acre)	Provides the following ai:	Provides the equivalent of:
Authority Assist 4SC		10 fl oz		
sulfentrazone	3.33 lb		4.16 oz	8.3 fl oz Spartan 4F
imazethapyr	0.67 lb		0.84 oz	3.4 fl oz Pursuit 2L
Authority Elite 7SC		32 fl oz		
sulfentrazone	0.7 lb		2.8 oz	5.6 fl oz Spartan 4F
S-metolachlor	6.3 lb		1.57 lb	1.6 pt Dual II Magnum 7.8EC
Authority First 70DF		8 oz		
sulfentrazone	62.1%		4.97 oz	9.9 fl oz Spartan 4F
cloransulam-methyl	7.9%		0.63 oz	0.75 oz FirstRate 84WDG
Authority Maxx 66DF		6.5 oz		
sulfentrazone	62.12%		4.03 oz	8 fl oz Spartan 4F
chlorimuron ethyl	3.88%		0.25 oz	1 oz Classic 25DG
Authority MTZ 45DF		12 oz		
sulfentrazone	18.0%		2.16 oz	4.3 fl oz Spartan 4F
metribuzin	27.0%		3.24 oz	4.32 oz Metribuzin 75DF
Authority XL 70DF		3.2 oz		
sulfentrazone	62.22%		2.0 oz	4 fl oz Spartan 4F
chlorimuron ethyl	7.78%		0.25 oz	1 oz Classic 25DG
Autumn Super 51WDG		0.5 oz		
iodosulfuron	6%		0.03 oz	0.3 oz Autumn 10WDG
thiencarbazone	45%		0.225 oz	0.225 oz ai thiencarbazone-methyl
Axiom 68DF		13 oz		
flufenacet	54.4%		7.07 oz	11.8 oz Define 60DF
metribuzin	13.6%		1.77 oz	2.36 oz Sencor 75DF
Boundary 6.5EC		1.8 pt		
S-metolachlor	5.25 lb		1.18 lb	1.2 pt Dual II Magnum 7.8EC
metribuzin	1.25		0.28 lb	6 oz Sencor 75DF
Canopy 75 DG		2.25 oz		
metribuzin	64.3%		1.15 oz	1.5 oz Metribuzin 75DF
chlorimuron ethyl	10.7%		0.24 oz	1 oz Classic 25DG
Canopy EX 29.5WDG		1.1 oz		
chlorimuron ethyl	22.7%		0.24 oz	1 oz Classic 25DG
tribenuron methyl	6.8%		0.075 oz	0.15 oz Express 50SG
Enlite 47.86DG		2.8 oz		
flumioxazin	36%		1 oz	1.98 oz Valor SX 51WDG
chlorimuron ethyl	2.9%		0.08 oz	0.32 oz Classic 25DG
thifensulfuron methyl	8.8%		0.25 oz	0.49 oz of Harmony 50SG
Envive 41.3 DG		2.5 oz		
flumioxazin	29%		0.725 oz	1.42 oz Valor SX 51WDG
chlorimuron ethyl	9.2%		0.23 oz	0.92 oz Classic 25DG
thifensulfuron methyl	2.9%		0.0725 oz	0.14 oz of Harmony 50SG
Extreme 2.17SC		3 pt		
imazethapyr	0.17 lb ae		1.02 oz ae	1.44 oz Pursuit 70DG or 4 fl oz of the 2SC
glyphosate	1.5 lb ae		0.56 lb ae	16 fl oz Roundup PowerMax
Fierce 76WDG		3 oz		
flumioxazin	33.50%		1 oz	1.96 oz Valor SX 51WDG
pyroxasulfone	42.50%		1.27 oz	1.49 oz Zidua 85WDG
Flexstar GT 3.5SL		3.5 pt		
fomesafen	0.56 lb		0.24 lb	1 pt Flexstar 1.88ME
glyphosate	2.26 lb ae		0.99 lb ae	30.4 fl oz Touchdown Total 4.17SL

ae = acid equivalent; ai = active ingredient

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Fusion 2.56EC				
		8 fl oz		
fluazifop	2.0 lb		2.0 oz	8 fl oz Fusilade DX 2EC
fenoxaprop	0.56 lb		0.56 oz	6.7 fl oz Option II 0.67EC
Gangster (co-pack)				
flumioxazin	50%	1.5 oz	0.75 oz	1.47 oz of Valor SX 51WDG
cloransulam-methyl	84%	0.3 oz	0.26 oz	0.3 oz of FirstRate 84WDG
Marvel 3SC				
		6 fl oz		
fluthiacet methyl	0.117 lb		0.0055 lb	0.77 fl oz Cadet 0.91EC
fomesafen	2.883 lb		0.135 lb	0.57 pt Flexstar 1.88ME
OpTill 68 WDG				
		2 oz/a		
saflufenacil	17.8%		0.36 oz	1 fl oz Sharpen 2.85 SC
imazethapyr	50.2%		1 oz ae	1.43 oz Pursuit 70DG or 4 fl oz of the 2SC
OpTill Pro (co-pack)				
saflufenacil	17.8%	2 oz/a	0.36 oz	1 fl oz Sharpen 2.85 SC
imazethapyr	50.2%		1 oz ae	1.43 oz Pursuit 70DG or 4 fl oz of the 2SC
dimethenamid-P	6 lb	10 fl oz	0.47 lb	10 fl oz Outlook 6EC
Prefix 2.59SL				
		2 pt/a		
S-metolachlor	4.34 lb		1.08 lb	1.11 pt Dual II Magnum 7.8EC
fomesafen	0.95 lb		0.24 lb	1 pt Flexstar 1.88ME
Pursuit Plus 2.9EC				
		2.5 pt		
imazethapyr	0.2 lb ae		0.99 oz ae	1.41 oz Pursuit 70DG or 3.96 fl oz of the 2SC
pendimethalin	2.7 lb		0.84 lb	2 pt Prowl 3.3 EC
Sequence 5.25SL				
		2.5 pt		
S-metolachlor	3 lb		0.94 lb	0.96 pt Dual II Magnum 7.8EC
glyphosate	2.25 lb ae		0.70 lb ae	21.5 fl oz Touchdown Total 4.17SL
Synchrony XP 28.4DG				
		0.375 oz		
chlorimuron ethyl	21.5%		0.08 oz	0.32 oz Classic 25DG
thifensulfuron methyl	6.9%		0.026 oz	0.05 oz of Harmony 50SG
Valor XLT 40.3WDG				
		2.5 oz		
flumioxazin	30%		0.75 oz	1.47 oz Valor SX 51WDG
chlorimuron ethyl	10.3%		0.26 oz	1 oz Classic 25DG

ae = acid equivalent; ai = active ingredient

The list is for comparison only. Read and follow the manufacturers label concerning crop uses, rates, timings, and restrictions.

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