

Options for Preharvest Weed Control in Wheat

Please note: Paraquat is NOT labeled for pre-harvest treatment in wheat.

Herbicide	Trade Name	Rate	Weeds controlled	Application timing	PHI (days)	Comments
Metsulfuron	Ally, others	0.1 oz	Some broadleaf weeds	Hard dough stage	10	Use 0.25 to 0.5 % v/v nonionic surfactant
						Apply in combination with glyphosate or 2,4-D
						Do not use on soils with a pH greater than 7.9
						12- to 34-month rotation interval for soybeans
						Kochia, pigweeds, and marestalk may be resistant
2,4-D LVE		1 pt of 4lb/gal product or 2/3 pt of 6 lb/gal product	Broadleaf weeds	Hard dough stage	14	Weak on kochia and wild buckwheat
Dicamba		0.5 pt	Broadleaf weeds	Hard dough stage and green color is gone from nodes	7	Do not use treated wheat for seed unless a germination test results in 95% or greater seed germination
Glyphosate		1 qt of 3 lb ae/gal product, 22 fl oz of 4.5 lb ae/gal product	Grasses and broadleaf weeds	Hard dough stage (30% or less grain moisture)	7	Consult label for recommended adjuvants
						Not recommended for wheat being harvested for use as seed
						Kochia, pigweeds, and marestalk may be resistant
Carfentrazone	Aim EC, others	1 to 2 fl oz	Pigweeds, kochia, lambsquarters, Russian thistle, wild buckwheat		7	Use 1% v/v crop oil concentrate
						Acts quickly, usually within 3 days
						Weed regrowth may occur after 2-3 weeks or more, depending on rate
Saflufenacil	Sharpen	1 to 2 fl oz	Broadleaf weeds	Hard dough stage (30% or less grain moisture)	3	Use 1% v/v methylated seed oil + 1 to 2% w/v AMS or 1.25-2.5% v/v UAN
						1 month rotation interval for soybean
Flumioxazin	Valor EZ	1.5 to 2 fl oz	Some broadleaf weeds (including pigweeds)	Hard dough stage and grain has no more than 30% moisture	10	Recommended to mix with glyphosate
						Use MSO at 1 qt/A. Can add either ammonium sulfate at 2-2.5 lb/A or 28% or 32% at 1-2 qt/A) with MSO to enhance desiccation.
						30 day rotation to sorghum