

NO-TILL SOYBEAN

Relative Response of Cover Crops and Weeds to Burndown Herbicides¹

HERBICIDE	COVER CROPS									COOL SEASON WEEDS									WARM SEASON WEEDS													
	Alfalfa	Clover, Red	Clover, White	Fescue, Tall	Orchardgrass	Rye	Ryegrass, Annual	Vetch	Wheat	Brome spp.	Chickweed	Dandelion	Dock, Curly	Fleabane	Garlic, Wild	Henbit / Purple Deadnettle	Lettuce, Prickly	Horseweed (Marestail)	Mustard spp.	Musk Thistle	Barnyardgrass	Crabgrass	Foxtail, Giant	Fall Panicum	Johnsongrass (seedling)	Johnsongrass (rhizome)	Lambsquarters	Yellow Nutsedge	Pokeweed	Ragweed, Common	Ragweed, Giant	Smartweed
Paraquat	3	7	5	5	3	7	6	7	7	7	9	4	2	6	7	8	5	4	6	3	7	9	9	6	7	3	6	4	4	7	7	5
Glyphosate ²	6	6	5	7	6	8	7	6	9	9	9	6	4	8	-	8	8	8*	8	6	8	9	9	8	9	8	9	6	6	9	9	8
Canopy	4	-	-	-	-	3	-	6	3	6	9	-	-	-	8	9	8	8	-	3	5	5	3	5	3	9	7	-	9	8	7	
Canopy EX	-	-	-	-	-	-	-	-	-	-	9	7	5	8	7	9	9	-	-	-	-	-	-	-	-	-	-	-	-	8	-	
2,4-D Ester ³	6	8	5	0	0	0	0	7	0	0	5	7	4	6	7	4	8	8	8	7	0	0	0	0	0	0	8	-	5	9	9	6
Dicamba (Clarity) ³	8	9	8	0	0	0	0	8	0	0	7	8	7	8	6	6	9	8	7	7	0	0	0	0	0	0	-	-	6	9	9	-
Envive	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	9	9	-	
FirstShot / HarmonyExtra	-	-	-	-	-	0	0	7	0	0	9	-	8	-	8	8	-	7	-	0	0	0	0	0	0	8	-	-	6	4	-	
Flexstar GT	6	6	5	7	6	8	7	6	9	9	9	6	4	8	-	8	8	8*	8	6	8	9	9	8	9	8	9	6	6	9	9	8
LeadOff ³	-	-	-	-	-	0	0	7	0	0	9	8	8	-	8	8	-	-	-	0	0	0	0	0	0	8	-	-	6	4	-	
Liberty ⁴	-	-	-	-	-	-	3	8	5	-	9	6	7	-	-	7	-	8	-	7	7	8	8	8	-	8	-	-	9	8	9	
Sequence	6	6	5	7	6	8	7	6	9	9	9	6	4	8	-	8	8	8*	8	6	8	9	9	8	9	7	9	6	6	9	9	8
Sharpen ³	4	-	5	-	-	-	-	6	1	-	8	7	7	7	-	7	8	8	-	6	-	-	-	-	-	-	8	-	-	-	8	-
Verdict ³	4	-	5	-	-	-	-	6	1	-	8	7	7	7	-	7	8	8	-	6	-	-	-	-	-	-	8	-	-	-	8	-
Zidua PRO ³	4	-	-	-	-	-	-	-	1	-	8	7	-	7	-	7	8	8	-	6	-	-	7	-	-	-	8	-	-	-	8	-

GOOD= 8-9

FAIR = 6-7

POOR = 5 or less

- Insufficient Data

1 Information presented in this table is the relative burndown response of emerged plants to herbicides applied at normal rates for no-till soybeans. This information generally does not reflect soil residual effects of the herbicides. The relative response values are based on a numerical scale from 0 to 9 and compare effectiveness of herbicides to control a particular cover crop or weed species. A herbicide may perform better or worse than indicated in the table due to weed size, environmental conditions or when tank mixed with other herbicides. This table should be used only as a guide. If a farmer is achieving satisfactory results under his conditions, he should not necessarily change products as a result of information in this table.

2 See page 22 for list of glyphosate products.

3 Consult label for preplant interval requirements to limit the risk for soybean injury.

4 Environmental stress conditions such as cool temperatures and cloudy weather may limit burndown weed control with Liberty.

* Populations of marestail are resistant to glyphosate.