

## Relative Response of Cover Crops and Weeds to Burndown Herbicides

HERBICIDE	COVER CROPS									WEEDS																
	Alfalfa	Clover, Red	Clover, White	Fescue, Tall	Orchardgrass	Rye	Ryegrass, Annual	Vetch, Hairy	Wheat	Brome spp.	Corn, Volunteer	Chickweed, Common	Dandelion	Dock, Curly	Fleabane, Annual	Foxtails	Henbit/Deadnettle	Johnsongrass (seedling)	Johnsongrass (rhizome)	Lettuce, Prickly	Marestail (Horseweed)#	Mustard spp.	Pokeweed	Ragweed, Giant	Thistle, Musk	Wild Garlic
Atrazine + Oil	3	5	4	6	3	6	5	6	6	7	0	9	4	4	-	6	8	0	0	8	7	8	2	8	4	-
Dicamba <sup>1</sup> (Clarity, Engenia, FeXapan, Xtendimax, etc)	8	9	8	0	0	0	0	8	0	0	0	7	8	7	8	0	6	0	0	9	8	7	6	9	7	6
2,4-D Ester / Enlist One	6	8	5	0	0	0	0	8	0	0	0	5	8	4	6	0	4	0	0	8	8	8	5	8	7	6
Enlist Duo	6	7	5	7	5	8	7	8	9	9	9*	9	8	6	8	9	8	9	8	8	8	8	6	9	7	6
Expert	4	4	3	5	3	6	6	4	7	9	9*	9	5	2	6	9	8	9	7	7	8*	7	5	9	5	-
Harmony SG	-	-	-	-	-	0	0	7	0	0	0	6	-	8	-	-	6	0	0	-	-	8	-	-	-	8
Glyphosate <sup>2</sup>	6	6	5	7	5	8	7	6	9	9	9*	9	6	4	8	9	8	9	8	8	8*	8	6	9	6	-
Leadoff / Crusher	-	-	-	-	-	0	0	7	0	0	0	9	8	8	-	0	8	0	0	6	7	8	-	-	-	-
Liberty (glufosinate) <sup>3</sup>	-	-	-	-	-	-	3	8	5	-	7*	9	6	7	-	8	7	8	3	8	8	8	-	8	-	-
Paraquat (Gramoxone)	3	7	5	5	3	7	6	7	7	7	6	9	4	2	6	9	8	7	3	5	4	6	4	7	3	8
Paraquat (Gramoxone) + Atrazine	4	7	5	8	6	8	7	8	9	8	7	9	7	5	6	9	9	7	3	9	8	9	4	9	5	8
Sharpen	4	6	5	0	0	2	-	6	2	2	0	7	5	5	7	2	6	0	0	8	8	8	-	8	5	-
Verdict	4	6	5	0	0	2	-	6	2	2	0	7	5	5	7	2	6	0	0	8	8	8	-	8	5	-

GOOD= 8-9

FAIR = 6-7

POOR = 5 or less

- Insufficient Data

**This table should be used only as a guide.** Information presented in this table is the relative burndown response of emerged plants to herbicides applied at normal rates for no-till corn. 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. If a farmer is achieving satisfactory results under their conditions, they should not necessarily change products as a result of information in this table.

<sup>1</sup> Examples of DICAMBA products labeled for use as a burndown treatment in corn include Clarity, Banvel, DiFlexx, Engenia, FeXapan, Sterling Blue, Vision, and Xtendimax.

<sup>2</sup> Examples of GLYPHOSATE products labeled for use as a burndown treatment in corn include: **Abundit Extra, Buccaneer, Credit, Duramax, DurangoDMA, GlyStar Plus, Honcho, Roundup Original, Roundup PowerMAX, Roundup WeatherMAX.** Consult the label for specific use directions including use of additives, if needed. [See page 22 for list of other GLYPHOSATE products]

<sup>3</sup> Environmental stress conditions such as cool temperatures and cloudy weather may limit burndown activity for weed control with LIBERTY (glufosinate-ammonium)

# Glyphosate will not effectively control biotypes of horseweed (marestail) that are tolerant to this herbicide.

\* Volunteer corn plants containing genetic traits with herbicide tolerance (eg. RR-corn hybrids or LL-corn hybrids) will not be effectively controlled.