

Table 3. Weed Response to “Burndown” Herbicides

This table gives a general comparative rating of “burndown” herbicides used in no-till corn and/or soybean production. Under unfavorable conditions, some herbicides may not perform as well as indicated below. Under very favorable conditions, control may be better than indicated. Herbicide rate, weed size and stage of growth, and environmental conditions interact to influence herbicide performance.

Weed control rating:

9 = 90% to 100%

8 = 80% to 90%

7 = 70% to 80%

6 = 60% to 70% control, and - = less than 60% control, not recommended.

Ratings are for control of existing vegetation only (not residual control). Treatments containing glyphosate should be applied with ammonium sulfate (and surfactant if required by the glyphosate product label). Most other treatments should be applied with a crop oil concentrate or methylated seed oil (plus fertilizer solution if recommended by the label). Ratings for 2,4-D are based on a rate of 0.5 lb ai/A unless otherwise indicated - increasing the 2,4-D rate to 1.0 lb ai/A will improve control of legumes, dandelion, marestail, and some other weeds.

	Giant Foxtail	Lambsquarters	Commn Ragweed	Giant Ragweed	Annual smartweeds	Common chickweed	Mustards, Shepherd's-purse	Winter Wheat, Rye Cover	Orchardgrass/Fescue Sod	Canada Thistle	Red Clover	Alfalfa	Hairy Vetch	Marestail (glyphosate-resistant) ¹	Prickly Lettuce	Annual Bluegrass	Deadnettle, Henbit	Carolina Foxtail	Dandelion	Cressleaf Groundsel
Fall application																				
2,4-D (0.5 lb/1.0 lb)	-	-	-	-	-	-	9	-	-	-/6	6/8	-/7	6/8	8/9	8/9	-	-/8	-	6/7	9/9
2,4-D + dicamba	-	-	-	-	-	7	9	-	-	7	9	8	9	9	9	-	8	-	7	9
Autumn + glyphosate	-	-	-	-	-	9	9	-	-	-	6	-	6	9	9	9	9	9	8	9
Basis + 2,4-D	-	-	-	-	-	9	9	-	-	6	6	-	6	9	9	9	8+	9	8	9
Canopy/Envive/ValorXLT + 2,4-D	-	-	-	-	-	7	9	-	-	-	6	-	6	9	9	9	9	-	9	9
Canopy EX + 2,4-D	-	-	-	-	-	9	9	-	-	-	6	-	6	9	9	9	9	-	9	9
Express + 2,4-D (1.0 lb)	-	-	-	-	-	9	9	-	-	6	6	-	6	9	9	-	8	-	7	9
Glyphosate	-	-	-	-	-	9	9	9	9	9	8	8	8	7	8	9	8	9	8	9
Glyphosate + 2,4-D	-	-	-	-	-	9	9	9	8	8	9	9	9	9	9	9	9	9	8	9
Metribuzin + 2,4-D	-	-	-	-	-	7+	9	-	-	-	-	-	6	9	9	-	9	7	7	9
Simazine + 2,4-D	-	-	-	-	-	9	9	-	-	-	-	-	6	9	9	8	8+	8	8	9
Spring application																				
2,4-D (0.5 lb/1.0 lb)	NR	9	9	9	7/8	-	8/9	-	-	-	7/8	7/8	8/9	7/8	8/9	-	-/7	-	6/7	7/8
2,4-d + Dicamba	NR	9	9	9	9	6	9	-	-	6	9	8	9	9	9	-	-	-	8	9
Atrazine + 2,4-D	7	9	9	9	9	8+	9	-	-	-	8	7	8	9	9	8	9	9	6	8
Atrazine + paraquat	9	9	9	9	9	9	9	8	6	-	7	-	8	9	9	9	9	9	-	9
Atrazine + Hornet	7	9	9	9	9	8	8	-	-	8	6	6	7	8	9	8	9	9	-	8
Balance/Radius + atrazine + 2,4-D	8	9	9	8	9	9	9	-	-	-	6	-	7	9	9	8	9	9	6	9
Canopy + glyphosate	9	8	9	9	9	7	8	9	-	6	7	6	6	8	8+	9	9	9	8+	9
Canopy + glyphosate + 2,4-D	9	9	9	9	9	7	9	9	-	6	8	8	8	9	9	9	9	9	8+	9
Dicamba	NR	9	9	9	9	6	7	-	-	-	9	8	8	7	9	-	-	-	7	-
Expert	9	9	9	9	8	8	8	8	-	-	6	-	7	8	8	9	8	9	7	8
Expert + 2,4-D	9	9	9	9	9	8	9	8	-	6	7	7	8	9	9	9	9	9	8	9

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	Giant Foxtail	Lambsquarters	Commn Ragweed	Giant Ragweed	Annual smartweeds	Common chickweed	Mustards, Shepherd's-purse	Winter Wheat, Rye Cover	Orchardgrass/Fescue Sod	Canada Thistle	Red Clover	Alfalfa	Hairy Vetch	Marestail (glyphosate-resistant) ¹	Prickly Lettuce	Annual Bluegrass	Deadnettle, Henbit	Carolina Foxtail	Dandelion	Cressleaf Groundsel
Gangster + glyphosate + 2,4-D	9	9	9	9	9	7	9	9	-	6	8	8	8	9	9	9	8	9	8	9
Glyphosate	9	8	9	8	7	7	8	9	-	6	7	6	6	6	8	9	-	9	7	7
Glyphosate + 2,4-D	9	9	9	9	8	7	9	9	-	6	8	8	8	8+	9	9	6	9	8	9
Lumax/Lexar	6	9	9	9	9	9	8	-	-	6	-	-	7	8	9	8	9	9	8+	8
Lumax/Lexar + 2,4-D	6	9	9	9	9	9	9	-	-	6	7	7	8	9	9	8	9	9	8+	9
Metribuzin + paraquat + 2,4-D	9	9	9	9	9	9	9	7	-	-	7	7	8	8+	9	9	9	9	6	9
Paraquat	9	8	8	8	6	7	7	7	-	-	7	-	7	-	6	9	-	9	-	6
Paraquat + 2,4-D	9	9	9	9	9	7	8	7	-	-	7	7	8	7	8	9	7	9	6	8
Python + glyphosate + 2,4-D	9	9	9	9	8	7	9	9	-	6	8	8	8	9	9	9	6	9	8	9
Scepter + glyphosate + 2,4-D	9	9	9	9	8	7	9	9	-	6	8	8	8	8+	9	9	6	9	8	9
Sonic/AuthorityFirst + glyphosate + 2,4-D	9	9	9	9	9	7	9	9	-	6	8	8	8	9	9	9	8	9	8	9
Valor + glyphosate + 2,4-D	9	9	9	9	8	7	9	9	-	6	8	8	8	8+	9	9	8	9	7	9
Valor XLT/Envive + glyphosate	9	8	9	9	9	7	8	9	-	6	7	6	6	8	8+	9	9	9	8+	9
Valor XLT/Envive + glyphosate + 2,4-D	9	9	9	9	9	7	9	9	-	6	8	8	8	9	9	9	9	9	8+	9

¹Ratings are for control of emerged marestail only. Marestail emerges in fall, spring, and early summer, and use of burndown plus residual herbicides in early spring results in most effective control. See "horseweed (marestail)" in the "Problem Weed" section for more information.