

Table 14. Weed Response to Preplant/Preemergence Herbicides in Soybeans—Broadleaf Weeds

This table compares the relative effectiveness of herbicides on individual weeds. Ratings are based on labeled application rate and weed size or growth stage. Performance may be better or worse than indicated in the table, due to weather or soil conditions or other variables. See pages 21–22 for more information on herbicide site of action classification and description of site of action groups.

Weed control rating:

9 = 90% to 100% control
 8 = 80% to 90% control
 7 = 70% to 80% control
 6 = 60% to 70% control
 - = less than 60% control, not recommended.

Crop tolerance rating:

0 = Excellent
 1 = Good
 2 = Fair
 3 = Poor
 Crop injury of 1 or less is rarely significant.

	Broadleaf Weeds																				
	Annual morning glory	Black nightshade	Burcucumber	Cocklebur	Common ragweed	Common ragweed (group 2-R)	Common ragweed group 2+14-R)	Giant ragweed	Giant ragweed (group 2-R)	Jimsonweed	Kochia	Lambsquarters	Lambsquarters (group 5-R)	Marestail (group 9-R) ¹	Marestail (group 2+9-R) ¹	Palmer amaranth (group 2-R)	Pigweed (redroot/smooth)	Smartweed	Velvetleaf	Waterhemp (group 2-R)	Waterhemp (group 2+14-R)
Preplant Incorporated Only																					
Sonalan	-	-	-	-	-	-	-	-	-	-	7+	8+	8+	-	-	8	9	-	-	8	8
Trifluralin	-	-	-	-	-	-	-	-	-	-	7+	8+	8+	-	-	8	9	-	-	8	8
Preplant or Preemergence																					
Alite 27 ²	-	9	7	-	9	9	9	6	6	9	9	9	9	9	9	8	9	8	9	8	8
Authority First/Sonic	8+	8	-	8	9	-	-	7	-	8	9	9	9	9	8	8+	9	9	8	8+	7
Authority MAXX/XL, Zone Maxx	8+	8	-	8	9	-	-	7	-	9	9	9	9	9	8	8+	9	9	8+	8+	7
Authority Edge/Supreme	8	9	-	-	-	-	-	-	-	-	8	9	9	8	8	9	9	8	7	9	8
Canopy Blend, Cloak DF	7+	-	6	8	9	-	-	7	-	9	7	9	9	9	6	6	9	9	8+	6	6
Canopy/Cloak EX, Fallout	7+	-	6	8	9	-	-	7	-	9	7	9	9	9	-	-	9	9	8+	-	-
Clomazone	-	6	-	6	7	7	-	-	-	8	9	9	9	-	-	-	-	8	9	-	-
Envive/Enlite	8	9	6	8	9	7	-	7	-	9	8	9	9	9	8	8+	9	9	8+	8+	7
Fierce EZ	7	9	-	-	8	8	6	-	-	-	7+	9	9	8	8	9	9	7	7	9	7
Fierce MTZ/Kyber	7	9	-	-	7	7	6	-	-	7	8	9	9	8+	8+	9	9	9	7	8+	7
Fierce XLT	8	9	6	8	9	7	-	7	-	9	7+	9	9	9	8	9	9	9	8+	9	7
FirstRate	7+	-	-	8	9	-	-	7	-	-	-	9	9	9	-	-	9	8	8+	-	-
Flumioxazin	7+	9	-	-	7	7	-	-	-	-	7+	9	9	8	8	8+	9	7	7	8+	7
Flumioxazin + metribuzin	7	9	-	-	7	7	6	-	-	7	8	9	9	8+	8+	8+	9	9	7	8	7
Intimidator	-	9	-	-	8	8	-	-	-	-	7+	9	7	6	6	8	9	9	6	8	7
Latir	8	9	-	7	8	7	-	6	-	8	9	9	9	8	8	8+	9	9	9	8+	7
Lorox	-	7	-	6	8	8	8	-	-	6	6	9	9	-	-	7	9	9	6	7	7
Matador	7	9	-	7	7	-	-	-	-	8	8	9	9	6	-	7	9	9	8	7	7
Metolachlor/metribuzin premix	-	8	-	-	6	6	6	-	-	6	-	8	6	6	6	8+	9	8	6	8+	8+
Metolachlor/S-metolachlor	-	8	-	-	-	-	-	-	-	-	-	6	6	-	-	7	8	-	-	7	7
Metribuzin >0.38 lb ai/A	-	-	-	-	6	6	6	-	-	7	8	9	-	8	8	8	9	9	7	8	8
Outlook	-	8	-	-	-	-	-	-	-	-	-	6	6	-	-	7+	8	-	-	7+	7+
Panther Pro	8	9	-	7	8	7	6	6	-	8	9	9	9	8+	8+	8+	9	9	9	8+	7+
Pendimethalin	-	-	-	-	-	-	-	-	-	-	7+	8+	8+	-	-	7	9	-	-	7	7

	Broadleaf Weeds																				
	Annual morning glory	Black nightshade	Burcucumber	Cocklebur	Common ragweed	Common ragweed (group 2-R)	Common ragweed group 2+14-R)	Giant ragweed	Giant ragweed (group 2-R)	Jimsonweed	Kochia	Lambsquarters	Lambsquarters (group 5-R)	Marestail (group 9-R) ¹	Marestail (group 2+9-R) ¹	Palmer amaranth (group 2-R)	Pigweed (redroot/smooth)	Smartweed	Velvetleaf	Waterhemp (group 2-R)	Waterhemp (group 2+14-R)
Prefix/Vise/Statement	-	8	-	-	8	8	-	-	-	-	-	7	7	-	-	8	8	-	-	8	7
Pummel	7	9	-	7	6	-	-	6	-	8	8	9	9	-	-	7	9	9	8	7	7
Pursuit	7	9	-	7	6	-	-	6	-	8	8	9	9	-	-	-	9	9	8	-	-
Python/Accolade	-	8	-	7	7	-	-	-	-	7	8	9	9	9	-	-	8	8+	-	-	-
Scepter	7	9	6	8	8	-	-	7	-	9	-	9	9	-	-	-	9	9	7	-	-
Sulfentrazone	8	9	-	-	-	-	-	-	-	-	8+	9	9	8	8	8+	9	8	7	8+	7
Sulfentrazone + imazethapyr	8+	9	-	7	6	-	-	-	-	8	9	9	9	8	8	8+	9	9	8	8+	7
Sulfentrazone + metolach/s-metolachlor	8	9	-	-	-	-	-	-	-	-	8+	9	9	8	8	9	9	8	7	8+	8
Sulfentrazone + metribuzin	7	8	-	-	-	-	-	-	-	6	9	9	9	9	9	9	9	9	7	9	8
Surveil	8	9	-	8	9	7	-	7	-	9	8	9	9	9	8	8+	9	9	8+	8+	7
Tendovo	7+	8	-	8	9	6	6	7	-	7	8	9	9	9	8	8+	9	9	8+	8+	8+
Torment	7	9	-	7	8	8	-	6	-	8	8	9	9	-	-	6	9	9	8	6	6
Tripzin ZC	-	-	-	-	6	6	6	-	-	7	8	9	8+	8	8	8	9	9	7	8	8
Trivence	8	9	6	8	9	7	-	7	-	9	8+	9	9	9	8	9	9	9	8+	9	6
Valor XLT	8	9	6	8	9	7	-	7	-	9	7+	9	9	9	8	8+	9	9	8+	8+	7
Warrant	-	8	-	-	-	-	-	-	-	-	-	8	8	-	-	8	8	6	-	7+	7+
Warrant Ultra	-	8	-	-	8	8	-	-	-	-	-	8	8	-	-	8	8	-	-	8	7
Zidua, Anthem Flex/Maxx	-	8	-	-	7	7	6	-	-	-	8	8	8	-	-	8	8	-	7	8	8
Zidua PRO	7	9	-	7	7	-	-	-	-	7	8	9	9	7	-	7	9	9	9	7	7
Zone Defense	8+	9	-	-	6	6	-	-	-	-	9	9	9	8+	8+	9	9	9	8+	9	7

¹Marestail ratings are for residual control only (not burndown), and are based on a weedfree start at planting through use of an effective burndown treatment.

²Use Alite 27 only on soybeans resistant to isoxaflutole, or GT27 soybeans. Not labeled for use in Illinois and only in some counties in Ohio.