

# Soybean Herbicide Effectiveness Ratings<sup>1</sup>

Weed response to selected soybean herbicides (E = Excellent G = Good F = Fair P = Poor).

	Grasses										Broadleaves					Perennials					
	Crop tolerance	Crabgrass	Fall panicum	Foxtail (spp.)	Woolly cupgrass	Shattercane	Amaranthus spp. <sup>2</sup>	Black nightshade	Cocklebur <sup>2</sup>	Common ragweed	Giant ragweed <sup>2</sup>	Lambquarter	Smartweed	Sunflower <sup>2</sup>	Velvetleaf	Canada thistle	Hemp dogbane	Jerusalem artichoke	Quackgrass	Yellow nutsedge	
<b>Preplant/Preemergence</b>																					
Authority/Spartan	G	P	P	P	P	P	E	E	F	F	F	F	F	F	F	P	P	P	P	P	F-G
Command	E	G-E	G-E	E	F	F	P	F	G	P	P	G	G	F	E	P	P	P	P	P	P
Dual II MAGNUM, MicroTech, Frontier, Outlook	E	E	E	E	F	F	F-G	G	G-E	P	P	P	P	P	P	P	P	P	P	P	P
FirstRate/Amplify	G-E	P	P	P	P	P	F-G	P	G	G-E	G	G-E	G	G	F-G	P	P	P	P	P	F-G
Sencor	F-G	P	P	P-F	P	P	E	F	F	E	P	E	E	F-G	G-E	P	P	P	P	P	P-F
Pendimax, Prowl, Sonalan, or Treflan/Trust	G-E	E	E	E	E	G-E	G	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Pursuit	G	F-G	F	F-G	P-F	G	F-E	G-E	F	F	P	G-E	F-G	G	G	P	P	P	P	P	P
Python	E	P	P	P	P	P	E	F	F	F	P	F-G	G-E	F	E	P	P	P	P	P	P
Valor	F-G	P	P	P	P	P	G-E	E	F	G	F	F	F	F	F	P	P	P	P	P	P
<b>Postemergence</b>																					
Assure II, Fusilade DX, Fusion,	E	E	E	E	E	E	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Poast Plus, or Select	E	P	P	P	P	P	P-F	P-F	E	E	F	E	E	G	G-E	G*	P	F	P	G*	P
Basagran	F-G	P	P	F	F	F	E	G	F	F	F	F	F	F	F	F	F	F	F	P	P
Blazer	G	P	P	P	P	P	E	P	E	G-E	F	G-E	E	G-E	F	F	F	F	P	P	P
Classic	F	F	P	P	P	P	E	G	G-E	E	F-G	F	G	F	F	F	F	F	P	P	G-E
Cobra/Phoenix	G	P	P	P	P	P	E	G	E	E	F	G	G	G	F	F	F	F	P	P	P
FirstRate/Amplify	E	E	G-E	E	E	E	G-E	G-E	E	E	E	E	E	E	G	P	P	P	P	P	P
Glyphosate <sup>3</sup>	F	P	P	P	P	P	E	P	F	F	P	G-E	E	G	G	G	G	G	G	G	F
Harmony GT	F	P	P	P	P	P	E	P	F	F	P	G-E	G-E	G	P	P	P	P	P	P	P
Pursuit	G	G	G	F-G	F	E	F-G	E	G-E	G	F	P-F	E	G	F	F	F	F	F	F	P
Raptor	G	G-E	G-E	G-E	G	E	F-G	E	G-E	G	G	E	E	E	G-E	F	F	F	F	F	F
Reflex, Flexstar	F-G	P	P	P	P	P	E	F-G	F	G	G	G-E	F	F	F	P-F	P	P	P	P	P
Resource	G-E	P	P	P	P	P	G	F	F-G	P	F	P	P	E	P	P	P	P	P	P	P

<sup>1</sup>Ratings in this table are based on full label rates. Premix products containing ingredients marketed as single a.i. products may not be included in this table.  
<sup>2</sup>ALS-resistant biotypes have been identified in Iowa. These biotypes may not be controlled by all ALS products.  
<sup>3</sup>Use only on appropriate resistant varieties.  
 \*Degree of perennial weed control is often a result of repeated application.  
 This chart should be used only as a guide. Ratings of herbicides may be higher or lower than indicated depending on soil characteristics, managerial factors, environmental variables, and rates applied. The evaluations for herbicides applied to the soil reflect appropriate mechanical weed control practices.

# Corn Herbicide Effectiveness Ratings<sup>1</sup>

Weed response to selected corn herbicides (E = Excellent G = Good F = Fair P = Poor).

	Broadleaves										Perennials								
	Grasses	Fall panicum & Witchgrass	Foxtail (ssp.)	Woolly cupgrass	Shattercane	Amaranthus spp. <sup>2</sup>	Black nightshade	Cocklebur <sup>2</sup>	Common ragweed <sup>2</sup>	Giant ragweed <sup>2</sup>	Lambsquarter	Smartweed	Sunflower <sup>2</sup>	Velvetleaf	Canada thistle	Hemp dogbane	Jerusalem artichoke	Quackgrass	Yellow nutsedge
<b>Preplant/Preemergence</b>																			
Atrazine	E	F	P	F	F	F	G	G	E	F-G	E	E	G	G	P	F	F	F	F
Axiom, Dual II MAGNUM, Micro Tech, Frontier, Outlook	E	E	E	E	F	F	G	P	P	F-G	P	P	P	P	P	F	P	P	G
Balanced Pro	F-G	G	F-G	G	G-E	F-G	F-G	F-G	F-G	F-G	G-E	F	G-E	F	P	P	P	P	G
Callisto	E	P	P	P	P	P	F-G	F-G	F-G	F-G	E	F-G	G-E	E	P	P	P	P	P
Define, Degree, Confidence, Harness, Surpass or Topnotch	E	E	E	E	F-G	F-G	G	P	P	G	P-F	P	P	P	P	P	P	P	G
Eradicane, Sutan +	E	E	E	E	G	G	G	G	G	G	G	P	P	F	P	P	P	P	G
Hornet WDG	G	P	P	P	P	P	P	G	G	G	G-E	G-E	G	G	P	P	P	P	P
Pendimax, Prowl	F-G	G-E	G-E	G	G	G	F	P	P	G-E	F	P	P-F	P	P	P	P	P	P
Pursuit <sup>3</sup>	E	F-G	F	F-G	P-F	G	F-E	G-E	F	F	P	G-E	F-G	G	P	P	P	P	P
Pythron	G	P	P	P	P	P	E	F	F	F	F	G-E	F-G	E	P	P	P	P	P
<b>Postemergence</b>																			
Accent/Steadfast	G-E	P	G	G-E	E	E	G	P	P	P	P	G	P	F	P	P	P	P	F
Alti/Avalanche	G	P	P	P	P	P	G-E	P	P	P	G-E	P	P	E	P	P	P	P	P
Atrazine	G	F	P	F	P	P	E	E	E	E	E	E	E	E	F*	F*	F*	F*	G
Basagran	E	P	P	P	P	P	P	E	E	E	P	E	E	E	P	P	P	P	G*
Basis	F	F	F-G	G	F	G	G	F	F	F	G-E	G-E	G	G-E	P	F-G	G	G	P
Basis Gold or Accent Gold	G	P	G	G-E	F-G	E	G	F-G	G	G-E	G	F-G	F-G	F-G	P	P	P	P	P
Banvel, Clarity, Oracle or Sterling	F-G	P	P	P	P	P	G-E	G	G	E	E	G	F-G	F-G	G*	F-G*	P	P	P
Beacon	G	P	F-G	P-F	P	E	E	G	E	G	P	G	F-G	F-G	F-G*	G-E	G	G	F
Buctril or Moxy	G	P	P	P	P	P	G	G-E	F	G	G-E	E	G	E	P	P	P	P	P
Callisto	G-E	P	P	P	P	P	E	E	F	G	E	G-E	E	E	P	P	P	P	P
Distinct	F-G	P	F	F	F	F	G-E	E	G-E	G	E	G	G	G	G*	F-G	P	P	P
Equip	E	E	G-E	F-G	E	E	G	E	E	G	E	E	E	E	G*	F	F	P	P
Glyphosate <sup>3</sup>	E	E	E	E	E	E	G-E	F-G	E	E	E	E	E	E	G	G	G	G	F
Hornet WDG	G	P	P	P	P	P	E	F	E	E	G	G-E	E	E	G	F	G	P	P
Liberty <sup>3</sup>	E	E	G	G-E	E	E	F-G	E	E	G	F	G-E	G-E	G-E	F-G	F-G	G	G	F
Lightning <sup>3</sup>	G-E	G	G	F	E	E	F-G	E	E	G	F-G	E	E	E	F-G	G	G	F	F
NorthStar	G	P	F-G	F	P	E	F-G	G	E	E	E	E	E	E	F-G	G	G	F	F
Option	G-E	P	G-E	F-G	E	E	G	F	P	P	P	G	G	G	F-G	G	G	F	F
Permit	G	P	P	P	P	P	E	E	F	F	P	P	G	G	P	P	P	P	G
Pursuit <sup>3</sup>	G-E	G	G	F-G	F	E	F-G	E	G	F	P-F	E	G	E	F	F-G	P	P	P
Resource	G-E	P	P	P	P	P	G	F	F-G	P	F	P	E	E	P	P	P	P	P
Yukon	F-G	P	P	P	P	P	G	G-E	G	G	G-E	E	E	E	P	P	P	P	G
2,4-D (2- to 5-leaf stage of corn)	F	P	P	P	P	P	G	E	G	G-E	G	F	G	G	F*	F*	F*	F*	P

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<sup>2</sup>ALS-resistant biotypes of these weeds have been identified in Iowa. These biotypes may not be controlled by all ALS herbicides.

<sup>3</sup>Use only on designated resistant hybrids.

\*Degree of perennial weed control is often a result of repeated application.

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