

Corn Herbicide Effectiveness Ratings¹

Weed response to selected herbicides

E = excellent
F = fair
G = good
P = poor

	Grasses										Broadleaves						Perennials		
	Crop tolerance	Crabgrass	Fall panicum	Foxtail	Woolly cupgrass	Shattercane	Amaranthus spp. ²	Black nightshade	Cocklebur ²	Common ragweed	Giant ragweed ²	Lambsquarter	Smartweed	Sunflower ²	Velvetleaf	Canada thistle	Quackgrass	Yellow nutsedge	
Preplant/Preemergence																			
Atrazine	E	F	P	F	P	P	E	G	G	G	E	F-G	E	G	G	P	F	F	
Axiom, Breakfree, Dual II Magnum, Frontier, Outlook, etc	E	E	E	E	F	F	F-G	G	P	P	P	P	P	P	P	P	P	G	
Balance Pro	F-G	G	F-G	G	G-E	F-G	G-E	F	P-F	F-G	G	G-E	F	G-E	F	P	P	G	
Callisto	E	P	P	P	P	P	G-E	G-E	F-G	F	E	F-G	E	G-E	E	P	P	P	
Degree, Harness, Surpass, Topnotch, etc	E	E	E	E	F-G	F-G	G	P	P	P	P-F	P-F	P	P	P	P	P	G	
Hornet WDG	G	P	P	P	P	P	F-G	P	G	G	G	G-E	G	G-E	G	P	P	P	
Pendimax, Prowl, etc	F-G	G-E	G-E	G-E	G	G	G	P	P	P	G-E	F	P	P	P-F	P	P	P	
Pursuit ³	E	F-G	F	F-G	P-F	G	F-E	G-E	F	G	F	G-E	F-G	G	P	P	P	P	
Python	G	P	P	P	P	P	E	F	F	F	P	G-E	F-G	E	P	P	P	P	
Postemergence																			
Accent, Steadfast	G-E	P	G	G-E	G-E	E	G	P	F	P	P	G	P	F	F	F	G	F	
Aim	G	P	P	P	P	P	F-G	G	P	P	F	G	P	P	E	P	P	P	
Atrazine	G	F	P	F	P	P	E	E	E	E	G	E	E	E	E	F*	F	G	
Basagran	E	P	P	P	P	P	P	P	E	E	F	P	E	G	G-E	G*	P	G*	
Basis	F	F	F-G	G	F	G	G	P	F	F	P	G-E	G-E	G	G	P	G	P	
Banvel, Clarity, etc	F-G	P	P	P	P	P	G-E	G	E	G-E	E	G	E	G	F-G	G*	P	P	
Beacon	G	P	F-G	P-F	P	E	E	G	E	P	G	G	G	G	F-G	F-G*	G	F	
Buctril	G	P	P	P	P	P	G	G-E	E	E	G	G-E	E	G	P	P	P	P	
Callisto	G-E	P	P	P	P	P	E	E	G-E	F	G	E	E	G-E	E	P	P	P	
Distinct	F-G	P	F	F	P	F	G-E	G	E	G-E	G	E	G	G	G	G*	P	P	
Equip	F-G	P	G	G-E	F-G	E	G	E	E	E	G	E	E	E	G-E	G*	G	P	
Glyphosate (Roundup, Touchdown) ³	E	E	E	G-E	E	E	G-E	F-G	E	E	G-E	E	E	E	G	G	G-E	F	
Hornet WDG	G	P	P	P	P	P	E	F	E	E	G	F	G-E	E	G	G	P	P	
Impact	G-E	F-G	F	G	F	F	G-E	G-E	G-E	G	G	G	E	E	E	P	P	P	
Liberty ³	E	E	G	G-E	E	E	G	E	E	E	G	E	E	E	E	F-G	G	F	
Lightning ³	G-E	G	G	E	G	E	F-G	E	E	G	F-G	E	E	E	E	G	F	F	
NorthStar	G	P	F-G	F	P	E	F-G	G	E	E	E	E	E	E	G	F-G	G	F	
Option	G	P	G	G-E	F-G	E	G	F	F	P	P	P	P	G	G	P	G	P	
Permit, etc	G	P	P	P	P	P	E	P	G-E	G-E	G	P	G-E	E	E	P	P	G	
Pursuit ³	G-E	G	G	F-G	F	E	F-G	E	G-E	G	F	P-F	E	G	G-E	F	P	P	
Resolve	F	F	F-G	G	F	G	G	P	F	F	P	G-E	G	P	F-G	F	G	F	
Resource	G-E	P	P	P	P	P	G	P	F	F-G	P	F	P	E	P	P	P	P	
Yukon	F-G	P	P	P	P	P	G	G	G-E	G	G	G-E	E	E	E	P	P	G	
2,4-D	F	P	P	P	P	P	G	F	E	G	G-E	F	G	G	F*	P	P	P	

¹Ratings in this table are based on full label rates. Premix products containing ingredients marketed as single a.i. products may not be listed in this table.

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

³Use only on designated resistant hybrids.

*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.

Soybean Herbicide Effectiveness Ratings¹

Weed response to selected herbicides

E = excellent
F = fair
G = good
P = poor

	Grasses										Broadleaves						Perennials		
	Crop tolerance	Crabgrass	Fall panicum	Foxtail	Woolly cupgrass	Shattercane	Amaranthus spp. ²	Black nightshade	Cocklebur ²	Common ragweed	Giant ragweed ²	Lambsquarter	Smartweed	Sunflower ²	Velvetleaf	Canada thistle	Quackgrass	Yellow nutsedge	
Preplant/Preemergence																			
Authority/Spartan	G	P	P	P	P	P	E	E	F	F	F	F	F	F	F	F	P	F-G	
Command	E	G-E	G-E	E	F	F	P	F	F	G	P	G-E	G	F	E	P	P	P	
Dual II Magnum, INT/RR0, Frontier, etc	E	E	E	E	F	F	F-G	G	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	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-F	
Pendimax, Prowl, Sonalan, Treflan, etc	G-E	E	E	E	E	G-E	G	P	P	P	G	F	P	P	P	P	P	P	
Pursuit	G	F-G	F	F-G	P-F	G	F-E	G-E	F	G	F	P	G-E	F-G	G	P	P	P	
Pythron	E	P	P	P	P	P	E	F	F	F	P	F-G	G-E	F	E	P	P	P	
Valor SX	F-G	P	P	P	P	P	G-E	E	F	G	F	E	F	P	F	P	P	P	
Postemergence																			
Assure II, Fusilade DX, Fusion, Poast Plus, Select, etc.	E	E	E	E	E	E	P	P	P	P	P	P	P	P	P	P	G-E*	P	
Basagran	E	P	P	P	P	P	P-F	P-F	E	E	F	P	E	G	G-E	G*	P	G*	
Blazer	F-G	P	P	F	P	F	E	G	F	G	F	E	F	F	F	F	P	P	
Classic	G	P	P	P	P	P	E	P	E	G-E	F	P	G-E	E	G-E	F	P	G-E	
Cobra/Phoenix	F-G	F	P	P	P	P	E	G	G-E	E	F-G	F	G	G	F	F	P	P	
FirstRate/Amplify	G	P	P	P	P	P	P	P	G-E	E	E	P	G	E	G	P	P	P	
Glyphosate (Roundup, Touchdown) ³	E	E	G-E	E	E	E	G-E	F-G	E	E	G-E	G	E	E	G	G	G-E	F	
Harmony GT	F	P	P	P	P	P	E	P	F	F	P	G-E	G-E	G	P	P	P	P	
Pursuit	G	G	G	F-G	F	E	F-G	E	G-E	G	F	P-F	E	G	G-E	F	P	P	
Raptor	G	G-E	G-E	G-E	G	E	F-G	E	G-E	G	G	G	E	E	G-E	F	F	F	
Reflex/Flexstar	F-G	P	P	P	P	P	E	F-G	F	G	G	F	G-E	F	F	P-F	P	P	
Resource	G-E	P	P	P	P	P	G	P	F	F-G	P	F	P	E	P	P	P	P	

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