

Herbicide Efficacy Table

This table includes efficacy information about the herbicides recommended in this guide. The products are listed alphabetically by **Active Ingredient**, with their common **Placement relative to weeds**. Weed control will vary with soil type and weather. Italics indicates the rating occurred in the MSU E0433 bulletin. Non-italics indicates the rating is original to the Midwest Veg Guide.

- E=excellent
- G=good
- F=fair
- P=poor
- N=none

Active Ingredient	Placement relative to weeds	Barnyardgrass	Crabgrass, Large	Fall Panicum	Foxtails (green, giant, yellow)	Goosegrass	Lambsquarters, Common	Purslane, Common	Ragweed, Common	Galinsoga	Nightshade	Pigweed, Amaranth	Smartweeds, Ladysthumb	Velvetleaf	Jimsonweed	Morningglory, Annual	Yellow Nutsedge
2,4-D	Weeds <3"	N	N	N	N	N	G	P	G	G	G	G	P	F	F	G	N
acetochlor	Surface Pre	G	G	G	G	G	G	F	F	G	G	G	P	P	P	P	G
alachlor	Surface Pre	G	G	G	G	G	F	G	P	G	G	G	P	N	P	N	F
ametryn	Weeds <3"	G	G	G	G	G	G	F	G	G	F	G	G	G	G	G	F
atrazine	Surface Pre	G	G	P	F	G	G	G	G	G	G	G	G	F	G	F-G	F
atrazine	Weeds <3"	<i>G</i>	<i>G</i>	<i>F</i>	<i>G</i>	-	<i>E</i>	<i>E</i>	<i>E</i>	<i>G</i>	<i>G</i>	<i>E</i>	<i>E</i>	<i>G</i>	-	-	<i>P</i>
benfen	Incorp Pre	G	G	G	G	G	F	P	P	P	P	G	P	P	P	P	P
bensulide	Incorp Pre	G	G	G	G	G	F	F	N	N	N	F	N	N	N	N	N
bentazon	Weeds <3"	N	N	N	N	N	F	F-G	F	G	P	P	G	G	G	F	G
bromoxynil	Weeds <3"	N	N	N	N	N	G	P	G	N	G	F	G	G	G	G	N
carfentrazone	Weeds <3"	N	N	N	N	N	G	N	F	N	G	F-G	F	G	N	G	N
clethodim	Weeds <3"	G	G	G	G	G	N	N	N	N	N	N	N	N	N	N	N
clomazone	Surface Pre	G	G	G	G	G	G	G	G	P	P	P	G	G	F	F	N
clopyralid	Weeds <3"	N	N	N	N	N	P	N	G	G	F	P	F	N	G	N	N
cycloate	Incorp Pre	G	G	G	G	G	F	F	P	F	P	G	P	P	N	N	F
DCPA	Surface Pre	G	G	G	G	G	F	F	N	P	N	F	N	N	P	N	N
dicamba	Weeds <3"	N	N	N	N	N	G	G	G	G	G	G	G	G	F	G	N
dimethenamid-p	Incorp Pre	G	G	G	G	G	F	G	P	G	G	G	P	N	P	N	F
diuron	Surface Pre	G	F	F	G	G	G	G	G	G	G	G	G	G	G	G	P
EPTC	Incorp Pre	G	G	G	G	G	F	G	P	P	F-P	G	P	F	N	P	F
ethafluralin	Incorp Pre	G	G	G	G	G	F-G	F-G	N-P	N-F	F	F-G	P	N	N	N	N
ethofumesate	Surface Pre	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	-	<i>F</i>	<i>F</i>	<i>P</i>	<i>P</i>	<i>F</i>	<i>F</i>	<i>G</i>	<i>P</i>	-	-	<i>F</i>
ethofumesate	Weeds <3"	<i>P</i>	<i>P</i>	<i>P</i>	<i>F</i>	-	<i>F</i>	<i>F</i>	<i>P</i>	<i>P</i>	<i>G</i>	<i>P</i>	<i>G</i>	<i>P</i>	-	-	<i>F</i>
fluzifop-P	Weeds <3"	G	G	G	G	G	N	N	N	N	N	N	N	N	N	N	N
flumioxazin	Surface Pre	F	F	F	F	F	G	G	G	N	G	G	G	G	G	G	N
flumioxazin	Weeds <3"	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	-	<i>E</i>	<i>E</i>	<i>G</i>	<i>G</i>	<i>E</i>	<i>E</i>	<i>G</i>	<i>G</i>	-	-	<i>P</i>
fluroxypyr	Weeds <3"	N	N	N	N	N	P	G	G	N	F	P	P	G	F	G	N
fluthiacet-methyl	Weeds <3"	N	N	N	N	N	F	N	N	N	F	F	N	G	F	N	N
fomesafen	Surface Pre	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	-	<i>G</i>	<i>E</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>E</i>	<i>F</i>	<i>P</i>	-	-	<i>N</i>
fomesafen	Weeds <3"	N	N	N	N	N	N	N	F-G	N	F-G	N	N	N	N	N	N
foramsulfuron	Weeds <3"	G	F	G	G	G	G	G	G	P	G	G	F	G	G	F	P
glyphosate	Weeds <3"	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F
halosulfuron	Surface Pre	P	P	P	P	P	G	F	G	G	P	G	G	G	P	N	G
halosulfuron	Weeds <3"	N	N	N	N	N	P	N	G	G	N	F-G	F-G	G	N	F	G
imazamox	Weeds <3"	G	G	N	G	N	F	F	P-F	N	G	G	G	G	G	P-F	P-F
imazethapyr	Surface Pre	P	P	P	G	P	F	G	P	G	G	G	G	F	F	P	P
imazethapyr	Weeds <3"	<i>F</i>	<i>G</i>	<i>N</i>	<i>G</i>	-	<i>F</i>	<i>P</i>	<i>G</i>	<i>P</i>	<i>E</i>	<i>E</i>	<i>G</i>	<i>F</i>	-	-	<i>P</i>
imazosulfuron	Surface Pre	F	F	N	F	N	G	G	G	G	F	G	N	N	N	N	G
imazosulfuron	Weeds <3"	F	F	N	N	N	N	G	N	G	N	G	F	N	N	G	G
linuron	Surface Pre	F	F	F	F	F	G	G	G	G	F	G	G	G	F	P	N
linuron	Weeds <3"	F	F	F	F	F	G	G	G	G	G	G	G	G	F	G	N
MCPB	Weeds <3"	N	N	N	N	N	F	N	N	N	N	F	F	N	N	F	N
mesotrione	Surface Pre	N	N-P	N	N	N	G	N	P	G	G	G	G	G	G	F	N

Active Ingredient	Placement relative to weeds	Barnyardgrass	Crabgrass, Large	Fall Panicum	Foxtails (green, giant, yellow)	Goosegrass	Lambsquarters, Common	Purslane, Common	Ragweed, Common	Galinsoga	Nightshade	Pigweed, Amaranth	Smartweeds, Ladysthumb	Velvetleaf	Jimsonweed	Morningglory, Annual	Yellow Nutsedge
mesotrione	Weeds <3"	N	N-P	N	N	N	G	N	F	G	G	G	G	G	G	F	N
metribuzin	Surface Pre	F	F	F	F-G	F	G	G	G	G	N	G	G	G	F	N	N
metribuzin	Weeds <3"	F	F	F	F	F	G	G	G	G	P	G	G	G	F	F-G	N
napropamide	Incorp Pre	G	G	G	G	G	F	G	N	P	N	G	P	N	N	N	N
nicosulfuron	Weeds <3"	G	P	G	G	G	P-F	P	P	P	P	G	G	P	G	G	P
norflurazon	Surface Pre	G	G	G	G	G	F	F	G	G	F	F	F	F	N	N	F
oxyfluorfen	Surface Pre	P	F	F	P	P	G	G	G	G	G	G	G	F	F-G	F	N
oxyfluorfen	Weeds <3"	P	P	P	P	P	F	G	G	G	G	F	F	F	G	F	N
paraquat	Weeds <3"	G	G	G	G	G	G	G	G	F-G	G	G	G	G	G	G	G
pendimethalin	Incorp Pre	G	G	G	G	G	G	G	P	N	P	G	P	P	N	N	N
phenmedipham	Weeds <3"	N	N	N	N	N	G	G	G	G	F	P	G	F	F	F	N
primisulfuron	Weeds <3"	<i>P</i>	<i>P</i>	<i>G</i>	<i>F</i>	-	<i>F</i>	<i>N</i>	<i>E</i>	<i>N</i>	<i>G</i>	<i>E</i>	<i>G</i>	<i>G</i>	-	-	<i>F</i>
prometryn	Surface Pre	<i>F</i>	<i>G</i>	<i>F</i>	<i>F</i>	-	<i>E</i>	<i>G</i>	<i>G</i>	<i>F</i>	<i>G</i>	<i>E</i>	<i>F</i>	<i>F</i>	-	-	<i>P</i>
prometryn	Weeds <3"	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	-	<i>E</i>	<i>G</i>	<i>E</i>	<i>G</i>	<i>G</i>	<i>E</i>	<i>F</i>	<i>F</i>	-	-	<i>P</i>
pronamide	Surface Pre	F	F	P	F	F	F	G	F	P	P	P	F	P	P	P	P
pyroxasulfone	Surface Pre	G	G	G	G	G	F	G	P	G	G	G	P	N	P	P	F
quinclorac	Weeds <3"	<i>G</i>	<i>G</i>	-	<i>G</i>	-	<i>F</i>	-	<i>F</i>	-	-	-	-	<i>F</i>	-	-	-
quizalofop	Weeds <3"	G	G	G	G	G	N	N	N	N	N	N	N	N	N	N	N
rimsulfuron	Surface Pre	G	P-F	G	G	G	F	F	P-F	N	P	G	F	F	F	P	P
rimsulfuron	Weeds <3"	G	P-F	G	G	G	F	F	P-F	N	P	G	F	F	N	F	F
saflufenacil	Surface Pre	N	N	N	N	N	G	F-G	G	G	G	G	G	G	F-G	P-F	N
sethoxydim	Weeds <3"	G	F-G	G	G	G	N	N	N	N	N	N	N	N	N	N	N
s-metolachlor	Surface Pre	G	G	G	G	G	F	G	P	G	G	G	P	N	P	N	F-G
sulfentrazone	Surface Pre	F	F	F	F	F	G	G	N	G	F	G	G	F	G	G	G
sulfentrazone	Weeds <3"	<i>P</i>	<i>P</i>	<i>F</i>	<i>F</i>	-	<i>G</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>G</i>	<i>E</i>	<i>G</i>	<i>G</i>	-	-	<i>F</i>
tembotrione	Weeds <3"	G	G-F	F	F-G	G	G	N	G	G	G	G	G	G	P	F	N
terbacil	Surface Pre	G	G	G	F-G	G	G	G	G	G	G	F-G	G	G	G	F-G	P
terbacil	Weeds <3"	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	-	<i>E</i>	<i>E</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>F</i>	<i>G</i>	<i>F</i>	-	-	<i>P</i>
tolpyralate	Weeds <3"	F	G	N	G	F	G	N	G	N	F	G	F	G	N	F	N
topramezone	Weeds <3"	F	F	P	P-F	F	G	N	G	G	G	G	G	G	G	P	N
trifluralin	Incorp Pre	G	G	G	G	G	G	G	P	N	P	G	P	P	N	F	N
triflurosulfuron	Weeds <3"	<i>P</i>	<i>P</i>	<i>P</i>	<i>N</i>	-	<i>P</i>	<i>P</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>G</i>	-	-	<i>P</i>