

TABLE 3: HERBICIDES LABELED FOR USE IN POTATOES: EFFECTIVENESS ON GRASS AND SEDGE WEEDS

Herbicides	Annual grasses								Perennial grasses	Sedge (perennial)
	Barnyardgrass	Crabgrass	Foxtail spp.	Field sandbur	Volunteer barley	Volunteer oat	Wild oat	Volunteer wheat	Quackgrass	Yellow nutsedge
Chateau (flumioxazin)	N	N	N	N	N	N	N	N	N	–
Dual Magnum/Dual II Magnum (S-metolachlor)	G	G	G	F	–	–	P-F	–	P	F-G
Eptam (EPTC)	G	G	G	G	F-G	F-G	F-G	F-G	F-G	F
Linex/Lorox (linuron)	F-G	G	G	–	–	–	–	–	P	–
Matrix or others (rimsulfuron) PRE/POST	G/G	F/G	F-G/ F-G	–/–	G/G	F/G	F/G	G/G	N/G	–/F
Prism¹ (rimsulfuron) POST only, Canada only	G	G	G	–	–	–	–	–	G	–
Metribuzin (various trade names) PRE/POST	F/P	F/P	G/F	P/P	P/P	G/F	F-G/ F-G	P/P	P-F/ P-F	P/P
Outlook (dimethenamid-p)	G	G	G	P-F	F-G	F-G	F-G	F-G	P	F
Prowl 3.3 or H2O (pendimethalin)	G	G	G	–	–	–	P-F	–	–	P
Reflex (fomesafen)	S	S	S	–	S	S	S	S	N	S
Sonalan HFP (ethalfluralin)	G	G	G	G	P	G	F-G	F	P	–
Metolachlor (various trade names)	G	G	G	G	–	–	F	–	P	F-G
Sulfentrazone (various trade names)	N	N	N	N	N	N	N	N	N	G

SEASON-LONG CONTROL:

G (good) = 90%–100% **F** (fair) = 80%–89% **P** (poor) = 0%–30% **N** (none) = 0%
S (suppression only) = approximately 50% control – = no information available

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Treflan HFP or others (trifluralin)	G	G	G	G	P	G	F	F	P	P
Zidua (pyroxasulfone)	F-G	F-G	F-G	P	-	-	-	-	-	-
Boundary (S-metolachlor + metribuzin)	G	G	G	F	P	F	F	P	P	F-G
Metribuzin STZ (Canada), Sulfentrazone MTZ , and other trade names (metribuzin + sulfentrazone)	F	F	G	P	P	G	F	P	P	G
Select (clethodim)	G	G	G	G	G	G	G	G	G	N
Poast Plus (sethoxydim)	G	F	G	G	G	G	G	G	F	N
Venture (fluazifop-P-butyl) (Canada)	F	F	G	F	G	G	G	G	G	N

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Adapted from Hutchinson 2021; herbicide effectiveness chart and control ratings are derived from herbicide labels and potato field research trial results. Response of weeds to any of the listed herbicides may be altered by growing conditions, weed populations, type of irrigation, genetic variations, soil type, pH, organic matter (OM), time of application, and application rate. Ratings may vary from season to season and from site to site. Weed control generally decreases as the season progresses.

¹Product used only in Canada. The Prism rate in Canada is 60 g/ha (0.86 oz/A) POST only. Matrix rate range in the United States is 1–1.5 oz/A PRE or POST.