

**TABLE 2A: HERBICIDES LABELED FOR USE IN POTATOES: EFFECTIVENESS ON BROADLEAF WEEDS**

Herbicides	Annuals									Perennials	
	Kochia	Common lambs-quarters	Mustard spp.	Cutleaf nightshade	Black nightshade	Eastern black nightshade	Hairy nightshade	Redroot pigweed	Russian thistle	Canada thistle	Field bindweed
<b>Chateau</b> (flumioxazin)	S	S	S	S	G	G	G	S	–	N	–
<b>Dual Magnum/Dual II Magnum</b> (S-metolachlor)	F	F	P	F-G	F	F	F	G	P	N	–
<b>Eptam</b> (EPTC)	P-F	G	P	F-G	G	G	G	F-G	P	P	P
<b>Linex/Lorox</b> (linuron)	F	G	G	–	–	S	F	G	–	P	–
<b>Matrix</b> or others (rimsulfuron) PRE/POST	G/G	P/F	G/G	N/N	G/G	G/G	G/G	G/G	P/P	–/F	P/P
<b>Prism<sup>1</sup></b> (rimsulfuron) POST only, Canada only	F-G	S	–	N	–	–	F-G	–	–	–	P
<b>Metribuzin</b> (various trade names) PRE/POST	G/G	G/G	G/G	P/P	P/F	P/F	P/P	G/G	G/G	P/F	P/P
<b>Outlook</b> (dimethenamid-p)	P-F	P	P	F-G	G	G	G	G	–	–	P
<b>Prowl 3.3</b> or <b>H2O</b> (pendimethalin)	F-G	F-G	–	P-F	P-F	P-F	P-F	F-G	G	–	P
<b>Reflex</b> (fomesafen)	–	P	G	F	G	G	F	G	–	N	–
<b>Sonalan HFP</b> (ethalfluralin)	F-G	F-G	P	–	F	F	F	G	F-G	–	–
<b>Metolachlor</b> (various trade names)	F	F	P	F	F	F	F	G	P	N	–
<b>Sulfentrazone</b> (various trade names)	G	G	G	G	G	G	G	F-G	G	–	P

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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<b>Treflan HFP</b> or others (trifluralin)	F-G	F-G	P	P	P	P	P	G	F-G	P	P
<b>Zidua</b> (pyroxasulfone)	P-F	P	–	F-G	F-G	F-G	F-G	F-G	–	–	–
<b>Boundary</b> (S-metolachlor + metribuzin)	F	F-G	F	F-G	F	F	F	G	F-G	P-F	P
<b>Sencor STZ</b> (Canada), <b>Sulfentrazone MTZ</b> , and other trade names (metribuzin + sulfentrazone)	G	G	G	G	G	G	G	G	G	F	P

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Adapted from Hutchinson 2021; herbicide effectiveness chart and control ratings are also 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.

<sup>1</sup>Product 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.