

TABLE 1: HERBICIDES LABELED FOR USE IN POTATOES

Herbicides labeled for use in potatoes: Site of Action (SOA) classification group number, examples of trade names, active ingredient, chemical family, and SOA. Herbicides in the same color row within each Chart have the same SOA.

SOA Group #	Trade Names ¹	Active Ingredient	Chemical Family ²	Site of Action (SOA)
1	Poast Plus or Poast Ultra	sethoxydim	Cyclohexanedione (DIMs)	Acetyl CoA carboxylase (ACCase) inhibitor
	Select	clethodim		
	Venture (sold in Canada)	fluazifop-P-butyl	Aryloxyphenoxy-propionate (FOPs)	
2	Matrix and others (labeled as Prism in Canada)	rimsulfuron	Sulfonylurea (SUs)	Inhibits Acetolactate synthase (ALS) (a.k.a. Acetohydroxyacid synthase [AHAS])
3	Prowl H2O	pendimethalin	Dinitroaniline (DNAs)	Microtubule assembly inhibitor
	Sonalan HFP	ethalfluralin		
	Treflan HFP	trifluralin		
5	Metribuzin (various trade names)	metribuzin	Triazinone	Inhibits photosynthesis at Photosystem II (PS II) Site A
7	Linex/Lorox	linuron	Urea	Inhibits photosynthesis at PSW II Site A; different behavior from Group 5
8	Eptam	EPTC	Thiocarbamate	Lipid synthesis inhibitor (not ACCase inhibition)
9	Roundup PowerMAX, Touchdown, and others	glyphosate	Glycine	EPSP synthase inhibitor
10	Rely (and others)	glufosinate (for vine kill only)	Phosphinic acid	Glutamine synthetase inhibitor
14	Chateau	flumioxazin	N-phenylphthalimide	Protoporphyrinogen oxidase (PPO) inhibitor
	Sulfentrazone (various trade names)	sulfentrazone	Triazolinone	
	Reflex	fomesafen	Diphenyl ether	
	AIM EC	carfentrazone-ethyl	Triazolinone	
	Vida	pyraflufen ethyl (for vine kill only)	Phenylpyrazole	
15	Dual Magnum/Dual II Magnum	S-metolachlor	Chloroacetamide	Mitosis inhibitor
	Metolachlor (various trade names)	metolachlor		
	Outlook	dimethenamid-p		
	Zidua	pyroxasulfone	Isooxazoline	
22	Gramoxone and others	paraquat dichloride	Bipyridilium	Photosystem I (PSI) electron diverter
	Reglone and others	Diquat dibromide (for vine kill only)		
Formulated pre-mixes/co-packs				
15	Boundary (pre-mix)	S-metolachlor	Chloroacetamide	Mitosis inhibitor
+ 5		+ metribuzin	Triazinone	+ PS II inhibitor
2	Titus Pro (co-pack two containers [sold in Canada])	rimsulfuron	Sulfonylurea (SUs)	ALS inhibitor
+ 5		+ metribuzin	Triazinone	+ PS II inhibitor

SOA Group #	Trade Names ¹	Active Ingredient	Chemical Family ²	Site of Action (SOA)
14	Sencor STZ (co-pack two containers [sold in Canada]) or Sulfentrazone MTZ (pre-mix)	sulfentrazone	Triazolinone	PPO inhibitor
+ 5		+ metribuzin	Triazinone	+ PS II inhibitor
15	Sequence (pre-mix)	S-metolachlor	Chloroacetamide	Mitosis inhibitor
+ 9		+ glyphosate	Glycine	+ EPSP synthase inhibitor

¹ Not all trade names are listed. Mention of a trade name in no way endorses that product. Always read and follow instructions on the herbicide labels.

² Only the chemical families for the potato herbicides are listed. Visit www.weedscience.com for information on more chemical families that may be included in each Group.

Adapted from information in Hutchinson 2021, Campbell et al. 2011, and other sources such as Heap 2019 (www.weedscience.com).