

AGRI-FACTS

Practical Information for Alberta's Agriculture Industry

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Guide to Weed Control in Potatoes

Weed control in potatoes is becoming more of a challenge with each passing year. Wherever possible, pests should be managed throughout an entire rotation, not just in the current growing season.

If there is a problem in the current season, managing that pest in another crop in a following year, if at all possible, may be the best management practice. Certain weeds such as wild buckwheat, Canada thistle and perennial sow thistle are examples of such problem pests.

The table below shows herbicides registered for use on potatoes in Canada. Note that some herbicides are not registered for use on potatoes in the United States and

should not be used on consumable product destined for export. Most processing companies have their own list of approved chemicals that may be used on their respective contracted acres.

The information in Table 1 is based on available product information. The "S" indicates suppression only, whereas "P" indicates partial control. The weed species that are controlled will vary with the rate of product applied.

For details on rates, varietal restrictions, additional weeds controlled, re-cropping restrictions, timing and mixing instructions, please refer to the product label.

Table 1. Herbicides registered for use on potatoes

Herbicide	Common name	PHI (pre-harvest interval)	Weeds controlled											
			Barnyard Grass	Green Foxtail	Kochia	Lamb's quarters	Mustards	Quackgrass	Redroot Pigweed	Canada Thistle	Smartweeds	Volunteer Cereals	Wild Buckwheat	Wild Oats
Clethodim	Select	60	-	-				S				-		-
	Centurion	60	-	-				S				-		-
	Arrow 240	60	-	-				S				-		-
Chlorthal*	Dacthal W-75		-	-		-			-		-			
Diclofop-methyl*	Hoe-Grass 284*	60	-	-										-
Diquat	Reglone	14	Non-selective for green vegetation – vine kill											
EPTC	Eptam 8E	45	-	-		-		-	-			-		-
Fenoxaprop-f-ethyl*	Excel Super	35	-	-								-		-
Fluazifop-p-butyl*	Venture L	90	-	-				-				-		-
Glyphosate	Wide range of products (e.g. Roundup)		-	-		-		-	-	-	-	-	-	-

Table 1. Continued

Herbicide	Common name	PHI (pre-harvest interval)	Weeds controlled											
			Barnyard Grass	Green Foxtail	Kochia	Lamb's quarters	Mustards	Quackgrass	Redroot Pigweed	Canada Thistle	Smartweeds	Volunteer Cereals	Wild Buckwheat	Wild Oats
Metribuzin	Sencor (various)	60				-	-	-						
	Lexone	60				-	-		-					
Paraquat	Gramoxone	30	Kills top growth of most weeds											
Rimsulfuron	Prism	30	-	-		S		-					-	-
Sethoxydim	Poast Ultra	80	-	-				-					-	-
S-Metolachlor	Dual II Magnum		-	-					S					
Linuron	Linuron		-	-	-	-	-		-			-		-
	Lorox		P	-	-	-	-		-			-		-
Glufosinate Ammonium	Liberty	14 - 21	-	-	-	-	-	S	-	S		-	-	-

*Herbicides not registered for use in potatoes in the United States

The information in this factsheet is intended as a guide only. Every effort has been made to ensure accuracy; however, it remains the responsibility of the reader to follow information on the product label.