

CURRENTLY REGISTERED HERBICIDES FOR USE IN SEEDLING ALFALFA AND IN ESTABLISHED ALFALFA GROWN FOR SEED PRODUCTION - 2010

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Accurate information on currently registered herbicides for use in seedling alfalfa and in established alfalfa grown for seed production is important for every alfalfa seed producer. The attached tables provide information on registered herbicides for seedling alfalfa in 2010 (Table 1) and registered herbicides in established alfalfa for seed production in 2010 (Table 2). Further details on the use of these registered herbicides may be found in the 2010 Saskatchewan Guide to Crop Protection and on the crop protection product labels.

Table 1. Weed Control in Seedling Alfalfa Grown for Seed

	Barnyard Grass	Canada Thistle	Cleavers	Curled Dock	Dandelion	Flaxweed	Foxtail Barley	Field Hoserail	Green Foxtail	Hemp-nettle	Kochia	Lamb's Quarters	Narrow-leaved Hawk's-beard	Perennial Sowthistle	Plantain	Prickly Lettuce	Quack grass	Redroot Pigweed	Russian Pigweed	Russian Thistle	Shepherd's Purse	Stinkweed	Stork's Bill	Volunteer Barley	Volunteer Canola	Volunteer Oats	Wild Buckwheat	Wild Mustard	Wild Oats	Companion Crop	Rain Fastness (Hours)	Mode of Action (Group #)	2009 Cost (\$/Acre)
2,4-DB	S	S	S			S				C	C	S	C			C			C	C						C	C		B, O, W	8	4	15.94 - 23.02	
Avadex*																											C ⁴		B, CA, F, P, W	0	8	11.54 - 24.65	
Avenge 200 C*																											C ⁴		B, W	6	8	19.57 - 24.91	
Basagran	S	C								C						S		C	C	C	C		C				C		F, P	8	6	22.83 - 29.26	
Bromoxynil									C	C								C	C						C	C		B, F, O, W	1	6	6.40 - 11.30		
Clethodim	C						C ¹								S							C	C	C			C ¹		CA, F, P	1	1	4.85 - 17.50	
Edge Granular	C	S					C ³	S	C	C						C		S			S		S	S	C	S		CA, P	0	3	17.30 - 28.86		
Eptam 8-E	C						C		C						S	C						C	C	C			C ⁴		None	0	8	24.94	
Imazethapyr						S										C			S	C			C ²			C ²		CL CA, P	8	2	26.88		
MCPA Amine**				•				•	•				•			•		•	•	•						•		B, O, W	4	4	1.74 - 2.19		
MCPA Na**				•				•	•				•			•		•	•	•						•		B, O, W	6	4	2.80 - 3.02		
MCPB + MCPA	S	C				S	S	C	S	C		S	C			C			C	C			C			C		B, O, P, W	8	4	16.26 - 25.80		
Odyssey	C	C ²		C		C	S	S ¹	S							C		S ¹	C	C	C	C	C ²	C	C ²	S	C ²	C ²	CL CA, P	3	2	24.28	
Poast Ultra	C				S	C ¹									S							C	C	C			C ¹		CA, F, P	1	1	4.93 - 17.41	
Quizalofop	C					C ¹								S								C	C	C			C ¹		CA, F, P	1	1	4.96 - 10.12	
Tralkoxydim*	C					C ¹																	C				C ¹		B, W	1	1	18.75 - 19.43	
Trifluralin***	C					C ³		C							C										C	S		W, B, CA, F, P	0	3	10.29 - 18.84		
Venture L	C					C ¹								S								C		C			C ¹		CA, F, P	2	1	8.96 - 22.41	

* = use only when under-seeded

** = use only when under-seeded; do not apply to Flemish (purple flowered) varieties of alfalfa

*** = spring application of liquid formulations only

Companion crop: B = barley, CA = canola, CL CA = CLEARFIELD canola, F = flax, O = oats, P = peas, W = wheat

Control ratings: C = control, C¹ = control of Group 1 susceptible wild oats or green foxtail only,

C² = control of Group 2 susceptible cleavers, wild mustard, wild oats, canola or wheat only, C³ = control of Group 3 susceptible green foxtail only,

C⁴ = control of Group 8 susceptible wild oats only, S = suppression, S¹ = suppression of Group 2 susceptible kochia or Russian thistle only,

• = control at rates higher than registered in seedling alfalfa

Source: Adapted from the 2010 Saskatchewan Guide to Crop Protection

Table 2. Weed Control in Established Alfalfa Grown for Seed

	Barnyard Grass	Bluebur	Canada Thistle	Cleavers	Dandelion	Flixweed	Foxtail Barley	Green Foxtail	Hemp-nettle	Kochia	Lamb's Quarters	Narrow-leaved Hawk's-beard	Perennial Sowthistle	Quack grass	Redroot Pigweed	Russian Pigweed	Russian Thistle	Shepherd's Purse	Stinkweed	Scentless Chamomile	Stork's Bill	Volunteer Barley	Volunteer Canola	Volunteer Clovers	Volunteer Oats	Wild Buckwheat	Wild Mustard	Wild Oats	Rain Fastness (Hours)	Mode of Action (Group #)	2009 Cost (\$/Acre)	
Basagran		S	C							C				S	C	C	C			C										8	6	22.83 - 29.26
Bromoxynil	C							C	C					C	C	C		C							C	C			1	6	6.40 - 11.30	
Imazethapyr							S							C			S	C			C ²					C ²			8	2	26.88	
Kerb 50-WSP						C								C							C		C	C			C		0	15	67.01 - 124.58	
Odyssey	C		C ²		C	C	S	S ¹	S					C		S ¹	C	C		C	C	C ²		C	C ²	S	C ²	C ²	3	2	24.28	
Poast Ultra	C					S	C ¹							S							C			C	C			C ¹	1	1	4.93 - 17.41	
Princep Nine-T	C									C															C		C		0	5	8.37	
Quizalofop	C						C ¹							S							C			C	C			C ¹	1	1	4.96 - 10.12	
Reglone	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	0.25	22	19.88 - 31.24
Velpar DF				C							C	C		C					C										0	5	25.39 - 50.78	
Venture L	C						C ¹							S							C						C ¹		2	1	8.96 - 22.41	

Control ratings: C = control, C¹ = control of Group 1 susceptible wild oats or green foxtail only, C² = control of Group 2 susceptible cleavers, wild mustard, wild oats, canola, or wheat only, S = suppression, S¹ = suppression of Group 2 susceptible kochia or Russian thistle only, D = desiccant

Source: Adapted from the 2010 Saskatchewan Guide to Crop Protection