

Herbicides for Snap and Dry Bean Weed Control*

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Key to Comparative Effectiveness	BROADLEAF ANNUALS								GRASSES						
									ANNUAL				PERENNIAL		
	Lambsquarters	Purslane	Common Ragweed	Pigweed	Smartweed	Galinsoga	Mustard	Nightshade	Velvetleaf	Barnyardgrass	Crabgrass	Fall Panicum	Foxtail sp.	Quackgrass	Yellow Nutsedge
Pre-Plant Incorporated															
Treflan (trifluralin)	F	F	P	P	P	P	P	P	P	E	E	G	E	P	P
Prowl ⁹ (pendimethalin)	G	G	P	G	F	P	F	P	G	E	E	E	E	P	P
Sonalan ^{1,2,9} (ethalfluralin)	G	G	P	G	P	P	P	F	P	E	E	E	E	P	P
Eptam (EPTC)	F	G	P	F	P	P	P	G	P	E	E	E	E	P	F
Micro-Tech ^{1,2,4} (alachlor)	P	G	P	G	P	G	P	F	P	E	E	E	E	P	G
Dual Magnum ¹ (s-metolachlor)	G	G	P	E	P	E	P	G ⁵	P	E	E	E	E	P	E
Pre-Emergence															
Command 3ME ^{3,9} (clomazone)	F	F	F	P	F	F	P	P	G	G	G	G	G	P	P
Dual Magnum ¹ (s-metolachlor)	F-G	G	P	E	P	E	P	G ⁵	P	E	E	E	E	P	E
Permit ^{1,2} /Sanda ¹ (halosulfuron)	E	P	E	E	G	G	G	P	G	P	P	P	P	P	F
Reflex ⁹ (fomesafen)	G	G	G	E	P	G-E	E	E/F ¹⁰	P	N	N	N	N	N	F ¹¹
Post-Emergence															
Basagran (bentazon)	G	F	G	F	G	P	G	G ⁶	G	P	P	P	P	P	P
Reflex ⁹ (fomesafen)	F	G	E	E	F-G	G	E	G ⁷	P	P	P	P	P	P	P
Raptor (imazamox)	F	F	P	E	F	F	E	E	P	P	P	P	F	P	P
Poast (sethoxydim)	P	P	P	P	P	P	P	P	P	G	F	G	G	F	P
Assure II/Targa (quizalofop P-ethyl)	P	P	P	P	P	P	P	P	P	E	E	E	E	E	P
Select Max (clethodim)	P	P	P	P	P	P	P	P	P	E	E	E	E	G	P
Permit ^{1,2} /Sanda ^{1,3} (halosulfuron)	F	P	E	E	P	G	G	P	G	P	P	P	P	P	E
PPI, Pre- or Post-Emergence															
Pursuit ^{2,9} (imazethapyr)	G ⁸	P	P	E	P	P	E	E	P	P	P	P	P	P	P
Outlook ^{1,2} (dimethenamid-p)	G	G	F	E	P	E	P	G	P	E	E	E	E	P	E

*** For general comparison only. Effectiveness may vary with method of application, rate, use of an adjuvant, size of weed, soil type and weather. See the Cornell 2012 Guidelines for Vegetable Production for more details. Always read and follow label directions.**

1 - Crop injury is possible on coarse soils if heavy rain occurs shortly after application and beans are emerging, especially black beans

2 - Dry beans only

3 - Snap beans only

4 - MicroTech is slightly better than Lasso EC on some annual broadleaves and grasses

5 - Eastern black nightshade only

6 - Hairy nightshade only

7 - Very small Eastern black nightshade and very small hairy nightshade only

8 - Only the pre-plant incorporated application is effective

9 - Read the label regarding crop rotational restrictions

10 - Excellent – Eastern black nightshade; Fair – hairy nightshade

11 - Fair at snap/dry bean rates