

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) | 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) | F-G | G | G | E | | G-E | E | E/F ¹⁰ | P | N | N | N | N | N | F ¹¹ |
| Chateau/Valor SW ² (flumioxazin) | E | F | F | E | F | G | E | E | P | P | P | P | P | P | P |
| 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 | 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 ² (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 2009 Guidelines for Vegetable Production for more details. Always read and follow label directions.***

Footnotes to the Herbicides for Bean Weed Control Chart:

- 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