



WEED CONTROL GUIDE FOR NEW YORK

Relative Effectiveness of Herbicides Available for Use in Peas, 2024

Compiled by Julie Kikkert, CCE Cornell Vegetable Program, with information from Cornell University trials

Key to Compare Effectiveness: E = Excellent, G = Good, F = Fair, P = Poor to None

Herbicides ¹	Rate/A ²	PHI	BROADLEAF ANNUALS													ANNUAL GRASS				PERENNIALS		
			Lambsquarters	Purslane	Common Ragweed	Pigweed	Smartweed	Galinsoga	Mustard	E. Black Nightshade	Hairy Nightshade	Velvetleaf	Jimsonweed	Chamomile "daisy"	Barnyardgrass	Crabgrass	Fall Panicum	Foxtail sp.	Quackgrass	Yellow Nutsedge	Canadian Thistle	
Pre-Plant, Pre-Plant Incorporated or Pre-Emergence																						
Optill (saflufenacil + imazethapyr)	1.5 oz		G	P	P	E	P	P	E	E	E	P	P	P	P	P	P	P	P	P	P	P
Pre-Plant Incorporated																						
Treflan HFP (trifluralin)	0.5-0.75 qt		F	F	P	P	P	P	P	P	P	P	P	P	E	E	G	E	P	P	P	
Prowl 3.3EC (pendimethalin)	1.8-3.6 pt		G	G	P	G	F	P	F	P	P	G	P	P	E	E	E	E	P	P	P	
Prowl H20 (pendimethalin)	1.5-3.0 pt		G	G	P	G	F	P	F	P	P	G	P	P	E	E	E	E	P	P	P	
Pre-Emergence																						
Command 3ME (clomazone)	21.3 fl oz		F	F	F	P	F	F	P	P	P	G	P	P	G	G	G	G	P	P	P	
Dual Magnum (s-metolachlor)	1.0-2.0 pt		G	G	P	E	P	E	P	G	P	P	P	P	E	E	E	E	P	E	P	
Reflex (fomesafen)	0.5-1.0 pt	46 d	G	G	G	E	P	G-E	E	E	F	P	P	P	P	P	P	P	P	F	P	
Pre-Plant Incorporated or Pre-Emergence																						
Dual II Magnum (s-metolachlor)	1.0-2.0 pt		G	G	P	E	P	E	P	G	P	P	P	P	E	E	E	E	P	E	P	
Sharpen (saflufenacil)	0.75 fl oz		F	P	P	F	P	P	P	F	P	F	P	P	P	P	P	P	P	P	P	
Post-Emergence																						
Basagran ³ (bentazon)	1.0-2.0 pt	10 d	G	F	G	F	G	P	G	P	G	G	G	F	P	P	P	P	P	P	P	
Basagran 5L ³ (bentazon)	0.8-1.6 pt	10 d	G	F	G	F	G	P	G	P	G	G	G	F	P	P	P	P	P	P	P	
Thistrol 2S ⁴ (4-MCPB)	2.0 pt		G	P	P	G	G	P	P	P	P	P	P	P	P	P	P	P	P	P	F	
Beyond Xtra (formerly Raptor) ⁵ (imazamox)	3.0 fl oz	0 d	F	F	P	E	F	F	E	E	E	P	P	P	P	P	P	F	P	P	P	
Varisto ⁵ (bentazon + imazamox)	16 fl oz	10 d	G	F	G	E	G	F	E	E	E	G	G	F	P	P	P	F	P	P	P	
Poast (sethoxydim)	1.0-1.5 pt	15 d	P	P	P	P	P	P	P	P	P	P	P	P	G	F	G	G	F	P	P	
Assure II (quizalofop P-ethyl)	0.375-0.75 pt	30 d	P	P	P	P	P	P	P	P	P	P	P	P	E	E	E	E	E	P	P	
Select Max ⁶ (clethodim)	9.0-16.0 fl oz	21 d	P	P	P	P	P	P	P	P	P	P	P	P	E	G	E	E	G	P	P	
Pre-Plant Incorporated, Pre- or Post-Emergence																						
Pursuit (imazethapyr)	2.0-3.0 fl oz	30 d	G ⁷	P	P	E	P	P	E	E	E	P	P	P	P	P	P	P	P	P	P	

1 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 2024 Cornell Guidelines for Commercial Vegetable Production for more details. Always read and follow label directions.

2 Weed species controlled depends on rate. Lower rates than listed in this chart will result in poorer weed control.

3 Peas must have 3 nodes with true leaves before application.

4 Do not apply later than 3 nodes before flowering.

5 Apply to peas at least 3 inches tall, but prior to 5 nodes before flowering. Basagran must be used with all Raptor applications.

6 Must be applied before blossom.

7 Only the pre-plant incorporated application is effective.