



## Relative Effectiveness of Herbicides Available for Use in Peas in New York for 2021

Compiled by Julie Kikkert, CCE Cornell Vegetable Program with information from the late Robin Bellinder, Cornell University

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

Herbicides <sup>1</sup>	Rate/A <sup>2</sup>	PHI	BROADLEAF ANNUALS												ANNUAL GRASS				PERENNIALS			
			Lambsquarters	Purslane	Common Ragweed	Pigweed	Smartweed	Galinsoga	Mustard	Eastern Black Nightshade	Hairy Nightshade	Velvetleaf	Jimsonweed	Chamomile "daisy"	Barnyardgrass	Crabgrass	Fall Panicum	Foxtail sp.	Quackgrass	Yellow Nutsedge	Canadian Thistle	
<b>Pre-Plant, Pre-Plant Incorporated or Pre-Emergence</b>																						
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
<b>Pre-Plant Incorporated</b>																						
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)	1.2-3.6 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	
<b>Pre-Emergence</b>																						
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	
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	
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	
<b>Pre-Plant Incorporated or Pre-Emergence</b>																						
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	
<b>Post-Emergence</b>																						
Basagran <sup>3</sup> (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	
Thistrol 2S <sup>4</sup> (4-MCPB)	2.0 pt		G	P	P	G	G	P	P	P	P	P	P	P	P	P	P	P	P	P	F	
Raptor <sup>5</sup> (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	
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 <sup>6</sup> (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	
<b>Pre-Plant Incorporated, Pre- or Post-Emergence</b>																						
Pursuit (imazethapyr)	2.0-3.0 fl oz	30 d	G <sup>7</sup>	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 2021 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.