**Herbicides for Lima Bean Weed Control in New York***
by Julie Kikkert, Cornell Vegetable Program and Robin Bellinder, Cornell University
(July 15, 2014)

<table>
<thead>
<tr>
<th>Herbicide</th>
<th>Rate/A PHI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pre-Plant Incorporated</strong></td>
<td></td>
</tr>
<tr>
<td>Dual Magnum¹ (s-metolachlor)</td>
<td>1.0-2.0 pt</td>
</tr>
<tr>
<td>Dual II Magnum¹ (s-metolachlor)</td>
<td>1.0-2.0 pt</td>
</tr>
<tr>
<td>Micro-Tech¹² (alachlor)</td>
<td>2.0-3.0 qt</td>
</tr>
<tr>
<td>Pursuit⁶ (imazethapyr)</td>
<td>2.0-3.0 fl oz</td>
</tr>
<tr>
<td>Prowl⁶ (pendimethalin)</td>
<td>1.2-3.6 pt</td>
</tr>
<tr>
<td>Treflan (trifluralin)</td>
<td>1.0-1.5 pt</td>
</tr>
<tr>
<td><strong>Pre-Emergence</strong></td>
<td></td>
</tr>
<tr>
<td>Dual Magnum¹ (s-metolachlor)</td>
<td>1.0-2.0 pt</td>
</tr>
<tr>
<td>Dual II Magnum¹ (s-metolachlor)</td>
<td>1.0-2.0 pt</td>
</tr>
<tr>
<td>Pursuit⁵ (imazethapyr)</td>
<td>≤ 3 fl oz</td>
</tr>
<tr>
<td>Sandea¹ (halosulfuron)</td>
<td>0.5-1.0 oz</td>
</tr>
<tr>
<td><strong>Post-Emergence</strong></td>
<td></td>
</tr>
<tr>
<td>Basagran (bentazon)</td>
<td>1.0-2.0 pt</td>
</tr>
<tr>
<td>Sandea¹ (halosulfuron)</td>
<td>0.5-0.67 oz</td>
</tr>
<tr>
<td>Poast (sethoxydim)</td>
<td>1.0-1.5 pt</td>
</tr>
<tr>
<td>Select Max (clethodim)</td>
<td>12-16 fl oz</td>
</tr>
</tbody>
</table>

* 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 2014 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

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

3 - Eastern black nightshade only

4 - Hairy nightshade only

5 - Only the pre-plant incorporated application is effective

6 - Read the label regarding crop rotational restrictions

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**Key to Comparative Effectiveness**

E = Excellent
G = Good
F = Fair
P = Poor
N = None

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**BROADLEAF ANNUALS**

- Lambsquarters
- Purslane
- Common Ragweed
- Pigweed
- Smartweed
- Galinsoga
- Mustard
- Nightshade
- Velveteen
- Barnyardgrass
- Crabgrass
- Fall Panicum
- Foxtail sp.
- Quackgrass
- Yellow Nutsedge

**GRASSES**

- Annual
- Perennial

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