The many different species of rhizobia are legume–specific. For instance, *Bradyrhizobium japonicum* will inoculate soybeans, but not dry beans. This guide lists the rhizobia species that will treat a variety of legume crops.
SOYBEANS
Rhizobia species: *Bradyrhizobium japonicum*
Treats all varieties of soybeans (*Glycine max, Glycine soja*).

PEAS, LENTILS, VETCHES & FABA BEANS (*Pisum spp., Lens spp., Vicia spp., Lathyrus spp.*)
Rhizobia species: *Rhizobium leguminosarum* biovar *viceae*
Treats the following varieties:

- Austrian winter pea
- Chickling vetch
- Common vetch
- Faba bean
- Field pea

- Flat pea
- Garden pea
- Hairy vetch
- Lentil
- Manantha vetch

- Narrowleaf vetch
- Purple vetch
- Rough pea
- Specter pea
- Sweet pea

- Tangier pea
- Trapper pea

PEANUTS, COWPEAS & LESPEDEZA
Rhizobia species: *Bradyrhizobium spp.*
Treats the following varieties:

- Acacia
- Adzuki bean
- Alyce clover
- Asparagus–bean
- Black eyed peas
- Centrosema
- Common lespedeza

- Cowpea
- Desmodium spp.
- Hairy indigo
- Jackbean
- Jointvetch (*Aeschynomene*)
- Korean lespedeza
- Kudzu

- Mung bean
- Patridge pea
- Peanut
- Pigeon pea
- Pink eyed purple hull pea
- Sericea lespedeza
- Siratro

- Slender bushclover
- Sunn crotalaria
- Tepary bean
- Velvet bean
- Wild indigo
- Winged bean
- Winged crotalaria
**ALFALFA & SWEET CLOVERS (Medicago spp., Melilotus spp.)**
Rhizobia species: *Sinorhizobium meliloti*
Treats the following varieties:

- Alfalfa
- Bitter clover (sour)
- Black medic
- Button clover
- California bur–clover
- Fenugreek
- Hubam sweetclover
- Little bur–clover
- Snail bur–clover
- Spotted bur–clover
- Tifton bur–clover
- Tubercle bur–clover
- Yellow alfalfa
- Yellow sweetclover

**TRUE CLOVERS (Trifolium spp.)**
Rhizobia species: *Rhizobium leguminosarum* biovar *trifolii*
Treats the following varieties:

- Alsike clover
- Ball clover
- Berseem clover
- Bigflower clover
- Carolina clover
- Cluster clover
- Crimson clover
- Hop clover
- Hungarian clover
- Ladino Red clover
- Large hop clover
- Persian clover
- Puff clover
- Rabbitfoot clover
- Seaside clover
- Small hop clover
- White clover
- Zigzag clover

**ALFALFA & CLOVERS COMBINATION**
Rhizobia species: *Sinorhizobium meliloti* and *Rhizobium leguminosarum* biovar *trifolii*
Treats all species listed in both the alfalfa/sweet clover and in the true clover groups.

**DRY & SNAP BEANS (Phaseolus vulgaris, Phaseolus coccineus)**
Rhizobia species: *Rhizobium leguminosarum* biovar *phaseoli*
Treats the following varieties:

- Black beans
- Cranberry beans
- Field/canning beans
- Garden or string beans
- Great Northern beans
- Kidney beans
- Navy beans
- Pink beans
- Pinto beans
- Scarlet runner beans
- Snap beans
- Wax beans
## GARDEN COMBINATION

Rhizobia species: *Rhizobium leguminosarum* biovar *viceae* and *Rhizobium leguminosarum* biovar *phaseoli* and *Bradyrhizobium* spp.

Treats the following varieties:

<table>
<thead>
<tr>
<th>Acacia</th>
<th>Agave</th>
<th>Black locust</th>
<th>Burgundy beans</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adzuki bean</td>
<td>Flat Pe</td>
<td>Great Northern beans</td>
<td></td>
</tr>
<tr>
<td>Alyce clover</td>
<td>Garden or string beans</td>
<td>Hairy indigo</td>
<td>Field or canning beans</td>
</tr>
<tr>
<td>Asparagus bean</td>
<td>Garden pea</td>
<td>Hairy vetch</td>
<td></td>
</tr>
<tr>
<td>Austrian winter pea</td>
<td></td>
<td>Jack bean</td>
<td></td>
</tr>
<tr>
<td>Black beans</td>
<td>Hairy vetch</td>
<td>Jointvetch (<em>Aeschynomene</em>)</td>
<td></td>
</tr>
<tr>
<td>Centrosema</td>
<td>Hairy vetch</td>
<td>Kangaroo–thorn</td>
<td></td>
</tr>
<tr>
<td>Common ilespedeza</td>
<td>Jack bean</td>
<td>Kidney beans</td>
<td></td>
</tr>
<tr>
<td>Common vetch</td>
<td></td>
<td>Korean ilespedeza</td>
<td></td>
</tr>
<tr>
<td>Cowpea</td>
<td></td>
<td>Kudzu</td>
<td></td>
</tr>
<tr>
<td>Cranberry beans</td>
<td></td>
<td>Lab lab</td>
<td></td>
</tr>
<tr>
<td><em>Desmodium</em> spp.</td>
<td></td>
<td>Leucaena</td>
<td></td>
</tr>
<tr>
<td>Faba bean</td>
<td></td>
<td>Lima bean</td>
<td></td>
</tr>
<tr>
<td>Field pea</td>
<td></td>
<td>Manantha vetch</td>
<td></td>
</tr>
<tr>
<td>Field or canning beans</td>
<td></td>
<td>Mung bean</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Narrowleaf vetch</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Navy beans</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Patridge pea</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Peanut</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pigeon pea</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pink bean</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Purple vetch</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rough pea</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Scarlet runner beans</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sericea ilespedeza</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sirato</td>
<td></td>
</tr>
</tbody>
</table>

## NOT AVAILABLE FROM BECKER UNDERWOOD

<table>
<thead>
<tr>
<th>Amorpha sp.</th>
<th>Cicer milkvetch</th>
<th>Lupine</th>
<th>Stylosanthes spp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arrowleaf clover</td>
<td>Crownvetch</td>
<td>Sesbania</td>
<td>(including <em>S. gracilis</em>)</td>
</tr>
<tr>
<td>(yuchi, meechi, amclo)</td>
<td></td>
<td>Medic species</td>
<td></td>
</tr>
<tr>
<td>Big trefoil</td>
<td>Guar</td>
<td>Sanfoin</td>
<td>Sweet vetch</td>
</tr>
<tr>
<td>Birdsfoot trefoil</td>
<td>Kura clover</td>
<td>Serradella</td>
<td>Texas blue bonnet</td>
</tr>
<tr>
<td>Black locust</td>
<td>Lab lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Burgundy beans</td>
<td>Leucaena</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For more information about Becker Underwood inoculants, visit www.beckerunderwood.com.

Phone: 800–892–2013

Email: request@beckerunderwood.com