

Which Inoculant for What Legume...

Rhizobia are legume specific. Listed below are species of rhizobia and the species they nodulate. For more information, please contact an INTX Microbials representative.

Soybeans

Bradyrhizobium japonicum

Treats all varieties of soybeans (*Glycine max*, *Glycine soja*)

Available Brands:

Primo, *Primo^{GL}*, *Primo^{GX2}*, *N-Take*, *N-Charge-S*, *N-Charge*, *Froze-N*, *N-Dure*

Peanuts & Lima Beans

Bradyrhizobium sp. (Vigna)

Treats all varieties of the following crops:

Acacia	Korean lespedeza	Common lespedeza
Mung Bean	Asparagus-bean	Siratro
Jointvetch	Pigeon pea	Velvet bean
Adzuki bean	Kudzu	Cowpea
Partridge pea	Centro	Slender bushclover
Kangaroo-thorn	Sericea lespedeza	Wild indigo
Alyceclover	Lima bean	Desmodium
Peanuts	Sunn crotalaria	Winged crotalaria
Striped crotalaria	Winged bean	Hairy indigo
Jackbean	Tepary bean	

Available Brands:

Primo, *Primo^{GX2}*, *N-Charge*, *N-Dure*

Peas, Vetch, Lentils

Rhizobium leguminosarum biovar viceae

Treats all varieties of the following crops:

Austrian winter pea	Common vetch	Faba bean
Garden pea	Hairy vetch	Lentil
Purple vetch	Rough pea	Sweet pea
Field pea	Manantha vetch	Tangier pea
Flat pea	Narrowleaf vetch	

Available Brands:

Primo, *Primo^{GX2}*, *N-Take*, *N-Charge*, *Froze-N*, *N-Dure*

Dry Beans

Rhizobium leguminosarum biovar phaseoli.

Treats all varieties of the following crops:

Black beans	Great Northern beans	Scarlet Runner beans
Cranberry beans	Kidney beans	Snap beans
Field or Canning beans	Navy beans	Wax beans
Garden/String beans	Pink beans	Pinto beans

Available Brands:

Primo^{GX2}, *N-Charge*, *Froze-N*, *N-Dure*

Garbanzo & Chickpea

Mesorhizobium ciceri

Treats all varieties of garbanzo and chickpeas.

Available Brands:

Primo^{GX2}, *N-Charge*, *N-Dure*

Alfalfa / Sweet Clover

Sinorhizobium meliloti

Treats all varieties of the following crops:

Alfalfa	Tubercle bur-clover	Button clover
Snail bur-clover	California bur-clover	Yellow sweet clover
Bitter clover	White sweet clover	Little bur-clover
Spotted bur-clover	Fenugreek	Tifton bur-clover
Black medic	Yellow alfalfa	Hubam sweetclover

Available Brands:

Pre-Vail

True Clover

Rhizobium leguminosarum biovar trifolii

Treats all varieties of the following crops:

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

Available Brands:

Pre-Vail

Alfalfa & Clover Combination

Sinorhizobium meliloti and Rhizobium leguminosarum biovar trifolii

Treats all varieties of Alfalfa/True Clover.

Available Brands:

Pre-Vail, N-Dure

Bird's-foot Trefoil

Mesorhizobium loti

Treats all varieties of both narrow-leaf and broad-leaf Bird's-foot.

Available Brands:

Pre-Vail, N-Dure

Crownvetch

Rhizobium sp.

Treats all varieties of crownvetch.

Available Brands:

N-Dure

Arrowleaf Clover

Rhizobium leguminosarum biovar trifolii

Treats all varieties of Arrowleaf including Yuchi, Meechi, Apache, and Amclo.

Available Brands:

Pre-Vail, N-Dure

Subterranean Clover

Rhizobium leguminosarum biovar trifolii

Treats all varieties of Subterranean Clover and Rose Clover.

Available Brands:

Pre-Vail, N-Dure

Garden Combinations

Bradyrhizobium sp. (Vigna), Rhizobium leguminosarum biovar viceae and Rhizobium leguminosarum biovar phaseoli

Treats all varieties of the following crops:

Cowpeas	Sweet peas	Lima beans
Garden peas	Garden beans	Peanuts

Available Brands:

Guard-N, N-Dure

Lupine

Bradyrhizobium sp. (Lupinus)

Treats all varieties of Blue lupine, Sundial, Washington lupine, Field lupine, Yellow lupine, White lupine.

Available Brands:

N-Dure

Sainfoin

Rhizobium sp.

Treats all varieties of Sainfoin.

Available Brands:

N-Dure

Specialty Inoculants

These are specific inoculants made with specially selected *Rhizobium* and *Bradyrhizobium* species.

Available Brands:

N-Dure