At BrettYoung, we strive to be a company like no other. We are proud of our strategic partnerships with world-class organizations through which we source leading technologies and genetics.

We are passionate about delivering the products which help keep your business profitable while backing them with knowledge and experience.

The ag industry has undergone significant change as consolidation continues and the number of choices declines.

Yet BrettYoung remains a family-owned company. We have strong connections to local markets where, along with investment in innovation and infrastructure, we continue to grow our presence.

We succeed in our markets by bringing distinct choices that deliver performance and value. By design, our success is deeply rooted within your success; the two are intertwined and grow together. We are Distinct By Design and we wouldn’t have it any other way.
## TABLE OF CONTENTS

### CANOLA

- Our Canola Breeding Partner – DL Seeds ........................................ 2
- Breeding for Field Performance .................................................. 4
- Canola Portfolio ........................................................................ 6
- Keys to Success in Canola .......................................................... 8

### BIOLOGICALS

- Recover™ PO₄ ........................................................................... 12
- Our Biologicals Partner – Lallemand Plant Care ......................... 14
- BioBoost® Liquid for Canola ...................................................... 16
- BioBoost®+ Enhanced for Soybeans ........................................... 18
- BYSI-N Liquid & Granular .......................................................... 20
Our Strategic Canola Breeding Partner

DL Seeds is our canola breeding partner and the source of our long-standing performance leader, 6070 RR, and the next wave of high-performance varieties, 6074 RR and 6080 RR. The DL Seeds head office is located in Morden, Manitoba, with greenhouses and a double-haploid and gene marker lab located at BrettYoung’s Winnipeg facility, plus satellite locations in Saskatoon and Edmonton.

DL Seeds’ focus on canola is second to none. It includes a large trial network across Western Canada and the Northern United States, with seven trial sites in North Dakota alone, all testing top-performing canola hybrids for the North American market. DL Seeds has expanded and will continue to increase its breeding capacity to deliver what North American farmers are looking for in a profitable canola hybrid variety.

A closer look at DL Seeds reveals that there is much more than just the Canadian-based operations. DL Seeds’ two German-based parents — DSV and NPZ Lembke — currently with more than 600 staff, are long-standing canola and winter oilseed rape breeding companies in the highly competitive European marketplace. Both DSV and NPZ Lembke were involved in these crops right from the start of their development in the mid-70s. Today, DSV and NPZ Lembke have the No. 1 combined market share position in the approximately 22-million-acre European Union and Commonwealth of Independent States’ spring canola and winter oilseed rape markets. At home in Germany, DL Seeds shareholders have close to a 50% market share.

DL Seeds — along with its parent companies — is truly a global oilseed breeding powerhouse with more than 15 oilseed/canola breeders operating in North America, Europe and Australia. The breeding program has unrivaled access to diverse germplasm that year after year produces new high-yielding canola varieties with leading Blackleg resistance and excellent tolerance to other diseases like Clubroot (including 5X pathotype), and now Sclerotinia.

This continued investment in people and technology keeps DL Seeds in the forefront of canola breeding in North America.

Learn more about DL Seeds, DSV and NPZ Lembke at their respective websites: www.dlseeds.ca; www.dsv-seeds.com; www.npz.de

DL Seeds Germany-based Shareholders
Successful canola production depends on top-performing varieties, sound agronomic management and a favorable environment. As a seed supplier, we are partnered with a leading breeding organization to develop products suited to your environment. The breeding program is international in scope, drawing germplasm from North America, Europe and Australia, and tested locally. The breeding program uses its own hybrid system to exploit yield potential to the fullest. Understanding hybrid vigor and heterosis are the keys to continued improvements in yield. This understanding is gained through an extensive multi-year and multi-location field testing program, and a comprehensive genetic analysis of germplasm and hybrid parents through marker-assisted breeding. The unique hybrid system offers a high level of flexibility in the development of new hybrids.

Disease Resistance

Disease resistance is an important part of the selection of new hybrids. Hybrids are selected for resistance to Blackleg, Clubroot, and Sclerotinia. Every hybrid is rated on all of these factors.

Blackleg and Clubroot are two diseases that are an area of focus in DL Seeds’ breeding programs. Nurseries are inoculated to insure high levels of the major Blackleg pathotypes are present in the screenings.

DL Seeds has significantly increased its resources and focus on selecting hybrids with resistance to Clubroot. Selection nurseries are used in key Clubroot areas to test and develop new Clubroot resistant hybrids.

New for 2017 — BrettYoung Introduces Sclerotinia Tolerance

Sclerotinia is a widespread and destructive disease that affects many crops, particularly canola. As part of an integrated approach to managing this disease, BrettYoung is proud to announce registration of a new Sclerotinia Tolerance Trait in our high yielding canola variety — 6074 RR.

6074 RR supplies genetic-based tolerance to Sclerotinia at levels that will:
  • reduce levels of disease incidence
  • slow progression of the disease
  • reduce yield loss caused by the disease

Our Sclerotinia Tolerance Trait, when used as part of a comprehensive approach to Sclerotinia management, allows for:
  • greater flexibility in fungicide application-timing, particularly when flowering is uneven and staggered
  • reduced impact of Sclerotinia in long-flowering crops where the window of fungicide protection has lapsed

Both of these common situations allow growers the peace of mind of knowing they have chosen technology that maximizes the performance of their fungicide while growing a leading-edge canola variety like 6074 RR.
Industry-Leading Varieties

Realize your yield potential with BrettYoung canola. BrettYoung has industry-leading varieties in the Genuity® Roundup Ready® and Clearfield® systems, sourcing the best technology and genetics to keep your business profitable.

### Canola Portfolio – Summary of Key Characteristics

<table>
<thead>
<tr>
<th>Product</th>
<th>Herbicide Tolerant Trait</th>
<th>Yield Potential¹</th>
<th>Average % Oil Content</th>
<th>Plant Height (inches)</th>
<th>Blackleg Rating</th>
<th>Clubroot Rating</th>
<th>Sclerotinia Rating</th>
<th>Seed Size</th>
<th>Relative Days to Maturity²</th>
<th>Seedling Vigor</th>
<th>Lodging Rating</th>
<th>Adaptability for Direct Harvest</th>
<th>Harvestability</th>
</tr>
</thead>
<tbody>
<tr>
<td>6080 RR</td>
<td>6074 RR</td>
<td>1</td>
<td>2</td>
<td>41</td>
<td>R</td>
<td>-</td>
<td>-</td>
<td>M</td>
<td>90</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>6070 RR</td>
<td>6056 CR</td>
<td>1</td>
<td>2</td>
<td>42</td>
<td>R</td>
<td>-</td>
<td>-</td>
<td>M</td>
<td>90</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>6056 CR</td>
<td>5545 CL</td>
<td>2</td>
<td>2</td>
<td>43</td>
<td>R</td>
<td>R</td>
<td>-</td>
<td>M</td>
<td>92</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>6070 RR</td>
<td>5535 CL</td>
<td>2</td>
<td>3</td>
<td>43</td>
<td>R</td>
<td>-</td>
<td>-</td>
<td>M</td>
<td>88</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>5525 CL</td>
<td>5535 CL</td>
<td>2²</td>
<td>3</td>
<td>42</td>
<td>R</td>
<td>-</td>
<td>-</td>
<td>M</td>
<td>88</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

¹ Estimated yield potential based on Canadian Co-op trials. 2015 will be the first year of testing in NDSU trials.
² Estimated yield potential based on checks 46A65 and Q2 from Canadian Registration Co-op trials.
³ Based on NDSU and private trial data from 2010 to 2013 converted to 90 DTM base.

### Ratings

#### Oil Content Rating

- **1** = Excellent
- **2** = Very Good
- **3** = Good
- **4** = Fair

- **1** = >2.5% above variety checks
- **2** = 1 – 2.5% above variety checks
- **3** = 0 – 1% above variety checks
- **4** = < variety checks

#### Seed Size (seeds per lb)

- **L** = Large (<100K)
- **M** = Medium (100K to 120K)
- **S** = Small (>120K)

#### Disease Rating

- **R** = Resistant
- **MR** = Moderately Resistant

Harvestability in canola goes hand-in-hand with a hybrid’s ability to resist lodging. The first factor of an easy harvest is putting down a good swath; lodging resistance is the key. The second factor is ease of combining.

We select products that have excellent standability and good harvesting characteristics to carry the Excellent Harvestability rating. The harvestability rating is based on plot trial data and field scale experience. Excellent Harvestability is the hallmark of our canola portfolio.

Developed by: DL Seeds
KEYS TO SUCCESS IN CANOLA

Control What You Can Control

Manage the factors of success within your control to be optimally prepared for the factors beyond your control.

Hybrid Selection

Hybrids are developed with yield, maturity and disease resistance as the key selection criteria. Selecting the proper hybrid for your situation is key for maximum yield performance.

Disease Management

Blackleg, Clubroot, and Sclerotinia are significant diseases plaguing canola crops in the Northern US.

Blackleg:
The management of the disease involves an integrated system: field scouting, use of resistant varieties, crop rotation and fungicide application.

Clubroot:
Choosing resistant hybrids, crop rotation, reduced tillage, and proper equipment sanitation are all key management practices to reduce Clubroot incidence.

Sclerotinia:
Choosing varieties with excellent standability and genetic resistance, along with field monitoring and fungicide applications when conditions warrant, are the best approach to managing Sclerotinia.

Seed Early

Data from university research conducted in the Northern US show the potential benefits in yield outweigh the risks of frost damage by seeding canola early. Considerations when seeding early include increasing the seeding rate to account for higher seedling losses early in spring. We recommend increasing target seedling rate by 10–20% for early season planting.

Seed to a Target Population

Canola has traditionally been seeded at 5 lbs per acre. This was fine when all varieties were open-pollinated. Modern hybrids can vary significantly in seed size and can perform better at lower plant populations than previous research has shown with open-pollinated varieties. Target for populations of more than five plants per square foot for hybrid varieties.
KEYS TO SUCCESS IN CANOLA

Fertilize for Optimum Yield
Nitrogen and sulfur are key nutrients for high canola yields. A 2000 lb/acre crop will use 120–140 lbs/acre of nitrogen and 25–30 lbs/acre of sulfur. Canola is a high user of sulfur relative to other crops. Sulfur is taken up by canola in the sulfate form. Elemental sulfur is not immediately available to the canola plant, so fertilizer programs incorporating sulfate fertilizer are recommended for sulfur-deficient soils.

BrettYoung’s BioBoost Liquid for canola aids in sulfur uptake by making sulfur more plant-available. See Page 16 to learn more about BioBoost Liquid for canola.

Early Weed Control
Weeds are highly competitive, and can use up resources — moisture, nutrients, access to sunlight — that would otherwise be available to the crop. Yield loss from weed competition can be significant. Best practices are to control weeds early with a combination of pre-seed weed control and one in-crop application before the 4-leaf stage.

Monitor Insects Early
Canola is susceptible to damage early in the spring by flea beetles. Seed is treated with insecticide to protect against flea beetle damage. Under certain conditions, flea beetle pressure may require additional post-emergent insecticide applications. Monitor the crop at emergence for flea beetle pressure. If damage is evident, monitor closely and be prepared to spray if cotyledon damage exceeds 10–20%. Once plants are at the large 1–2 leaf stage, the canola is able to outgrow the potential damage. Early damage to cotyledons and stems at emergence and cotyledon stage is normally protected by seed treatment but needs to be monitored closely.

Swath Timing
Don’t swath too early. Research indicates that the optimum time to swath is when an average of 60% seed color change (SCC) appears on the main stem. Delaying swathing of any canola variety up to this stage can typically improve yield and quality through increased seed size, reduced green seed and higher oil content, while avoiding economic shattering losses prior to or during swathing.

Dry Crops Sufficiently
Improper storage of canola can be costly. Dry canola as soon as possible, and if you can’t dry tough or damp canola immediately, aerate continuously and move canola between bins to prevent spoilage. Store canola at 10% moisture or lower and monitor bins for heating.
PHOSPHATE SOLUBILIZER

An Innovative Formulation of a Well-Proven Active

Description

There is a symbiotic relationship between RecoverPO4 and the growing root. The active organism, Penicillium bilaii (Pb) in RecoverPO4, feeds off sugars and other exudates from the roots; in turn, the Pb releases compounds (organic acids, etc.) that break the bonds that bind phosphate in a form that plants cannot normally access. Therefore, when you use RecoverPO4, you are “recovering” phosphate already in the soil for the benefit of this season’s crop and making the phosphate you applied in this and past seasons more efficient.

<table>
<thead>
<tr>
<th>Active Ingredient: Penicillium bilaii</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.2 x 10^8 CFUs/ml</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Formulation: Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Crops: Alfalfa, Canola, Chickpeas, Corn, Dry Beans, Lentils, Peas, Soybeans, Wheat (spring and winter)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Application: On-seed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Package Size: 10.14 oz (300 ml)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

Phosphate Uptake With and Without Pb1

The organism enhances the plant’s phosphate uptake at all phosphate application rates.

When and where to use RecoverPO4

Use RecoverPO4 as part of your phosphate fertility program:

1. Use in fields where soil tests show low to medium levels of available phosphate:
   - If soil tests recommend to apply 10 to 15 lbs/acre of phosphate – just use RecoverPO4
   - If soil tests recommend to apply 15 to 25 lbs/acre of phosphate – apply the lower amount of recommended phosphate and use RecoverPO4
2. Use in fields with high pH and high calcium levels. These soils will more readily tie-up phosphate, thus there is more phosphate to release from the soil and recover for your crop.
3. Use RecoverPO4 on the seed and reduce the amount of seed-placed phosphate to avoid any potential seedling damage from high seed-placed phosphate applications.

---

Our Strategic Partner in Ag-Biological Products

Lallemand Inc. became our newest strategic partner when it purchased our BioBoost® line of products and all intellectual property associated with it.

Lallemand is a privately owned company specializing in the research, development, production, marketing and distribution of yeast and bacteria for the use of plant care, animal nutrition, baking, beverage, bio-fuel, health solutions, and pharmaceutical industries.

Through various acquisitions, Lallemand has become an active proponent of biological plant care solutions by developing and producing fungal, bacterial and yeast biocontrol products, biofertilizers and biostimulants for application in agriculture, forestry, horticulture, turf management and consumer gardening.

Lallemand Plant Care is dedicated to the development, production, and marketing of biological plant protection, biostimulation, and biofertilization products that improve productivity and plant vitality, without releasing pesticide residues into the environment. Biological plant protection utilizes nature's own methods for the prevention of plant diseases and pests. Pathogens are controlled by their natural enemies — microbes isolated from nature. Biostimulation is another method used to improve plant resistance to disease and stress.

Biofertilization optimizes soil resources to stimulate root growth, permitting increased mineralization of the organic matter and solubilizing minerals already present in the soil, but in forms that cannot be utilized by plants.

Our long-term partnership agreement with Lallemand dramatically expands our ability to continue to bring value to our customers through unique, high-performance biological products.
**CANOLA PLANT GROWTH PROMOTER**

Proven 6.3% Yield Advantage

**Active Ingredient:** 1x10⁸ CFU/ml Delftia acidovorans  
**Description**

BioBoost® Liquid for canola is an innovative plant growth promoting rhizobacteria (PGPR). The active ingredient is the micro-organism Delftia acidovorans, which is active in the soil and rapidly colonizes the root zone of a canola plant. It is applied as post-emergent spray at the 0 to 6 leaf stage. For ease of application, BioBoost Liquid can be tank-mixed with Liberty® and glyphosate and applied with the first post-emergent application. BioBoost Liquid has boosted canola yields by an average of 6.3%.

**How it Works**

The active ingredient, the bacteria Delftia acidovorans, is active in the soil. It is attracted to root exudates and will move toward growing roots and colonize the root zone. The bacteria have a number of beneficial modes of action that positively impact plant root growth; this ultimately supports higher yields, depending upon environmental and soil conditions.

**Modes of Action – Delftia acidovorans**

In any given field and/or year, one or more of these BioBoost Liquid modes of action can be responsible for increasing canola yields.

- **The organism is a known sulfur oxidizer and can make more sulfur plant-available.**  
  - Research shows that the organism in combination with elemental sulfur shows an average yield increase of 9.66% over elemental sulfur alone (see table on opposite page for more detail)
- **The organism stimulates root and root hair development, thus helping the plant access more water and nutrients in limiting environmental conditions.**
- **The organism is an aggressive root colonizer and can out-compete other soil bacteria and fungi.**

---

**Efficacy Testing as an Elemental Sulfur Oxidizer**

<table>
<thead>
<tr>
<th>Treatment</th>
<th>8 Site Average*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>100.00%</td>
</tr>
<tr>
<td>Control + Elemental Sulfur</td>
<td>+7.75%</td>
</tr>
<tr>
<td>Control + Sulfate Sulfur</td>
<td>+12.51%</td>
</tr>
<tr>
<td>Control + BioBoost</td>
<td>+13.92%</td>
</tr>
<tr>
<td>Control + Elemental Sulfur + BioBoost</td>
<td>+17.41%</td>
</tr>
<tr>
<td>Control + Sulfate Sulfur + BioBoost</td>
<td>+17.45%</td>
</tr>
</tbody>
</table>

| Difference between Control + Elemental Sulfur and Control + Elemental Sulfur + BioBoost | 9.66% |

*  
**Active Ingredient:** 1x10⁸ CFU/ml Delftia acidovorans  
**Formulation:** Liquid  
**Yield Response:** Avg. 130 lb/acre (6.3%)  
**Application:** Post-emergent spray (0 to 6 leaf stage)  
**Package Size:** 2.75 US gal bladder/case  
**Area Treated/Case:** 40 acres

**Application Notes**

- Achieving good contact of the organism with the soil is essential to the performance of the product; applying product at the 0 to 6 leaf stage allows good soil contact to be achieved.
- Apply BioBoost Liquid in the morning and/or evening when cooler temperatures are typical. Do not apply BioBoost Liquid in hot and dry conditions.
- Recommended water rates assist the organism in entering the soil profile; reducing the water rate is not recommended.
- If tank-mixing BioBoost Liquid with a recommended herbicide (glyphosate, Liberty®), add the bacterial solution last and ensure it is applied to the appropriate herbicide-tolerant canola system.

**BioBoost Application**

<table>
<thead>
<tr>
<th>Crop</th>
<th>Rate/min</th>
<th>Minimum Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canola</td>
<td>8.8 oz</td>
<td>10 gal</td>
</tr>
</tbody>
</table>

**BioBoost Liquid Trials**

The key tests to evaluate any crop input product are trial results in real-world conditions. Our commitment to understanding and demonstrating the performance of all our products, means we will continue to conduct side-by-side trials with BioBoost with interested retailers and farmers. If you are interested in participating in a trial, talk to your local retailer or contact your local BrettYoung Sales Agent. Visit our website for complete trial data.
How it works

The synergy of two superior bacteria strains working together increases nitrogen fixation as well as enhances the overall growth and development of the plant. The relationship between *Bradyrhizobium japonicum* and the soybean plant results in nodules forming on the roots, where nitrogen fixation occurs, ensuring that nitrogen is available to the plant when the plant needs it.

*Delftia acidovorans*, a plant growth promoting rhizobacterium (PGPR), is active in the soil, is attracted to root exudates and will move toward growing roots where it will multiply and colonize the root zone. The bacteria have a number of beneficial modes of action that positively impact plant root growth; this ultimately supports higher yields, depending upon environmental and soil conditions.

An Enhanced Formulation for Maximum Yield Performance

BioBoost®+ has been reformulated to provide a higher concentration of the patented plant growth-promoting rhizobacteria (PGPR), *Delftia acidovorans* and *Bradyrhizobium japonicum*. This formulation contains double the concentration of *Bradyrhizobium japonicum* and *Delftia acidovorans* and also boasts an extended on-seed life of 30 days.

### Description

- **Two Active Ingredients:**
  - 2 x 10^7 CFUs/ml *Delftia acidovorans*
  - 4 x 10^9 CFUs/ml *Bradyrhizobium japonicum*
- **Easy to use**
  - one package to open (no mixing)
  - lower use rate (2.4 oz per 100 lbs)
  - limited tackiness/bridging
- **Package Size:**
  - 4 x 50 unit case
  - 1 x 200 unit case
  - 1 x 400 unit case
- **On-Seed Life:**
  - 30 days

### Modes of Action

- **Bradyrhizobium japonicum**
  - increases nitrogen fixation
- **Delftia acidovorans**
  - The organism is a known sulfur oxidizer and makes more sulfur available to the plant; and/or
  - The organism stimulates root and root hair development, thus helping the plant access more water and nutrients in limiting environmental conditions; and/or
  - The organism is an aggressive root colonizer and may out-compete other soil microbes.

### BioBoost+ in Trials

BioBoost+ products have been performance tested across the soybean production areas of Eastern and Western Canada and the Central and Northern US. BioBoost+ is a leading high-performance inoculant that combines the benefits of nitrogen fixation and the patented *Delftia acidivorans* for growth promotion.

### Performance in Trials

Combining *Delftia acidovorans* and *Bradyrhizobium japonicum* results in superior performance to *Bradyrhizobium japonicum* alone.

<table>
<thead>
<tr>
<th>Yield bu/acre</th>
<th>n=30</th>
</tr>
</thead>
<tbody>
<tr>
<td>BioBoost+</td>
<td>51.4</td>
</tr>
<tr>
<td><em>Bradyrhizobium japonicum</em> only</td>
<td>50.6</td>
</tr>
</tbody>
</table>

Based on average performance over 26 site years of testing across Canada and the United States.

1 See our website at brettyoungusa.com for the latest compatibility information.
## Single-Action Soybean Inoculant

### Liquid Formulation

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Crop:</strong></td>
<td>Soybean</td>
</tr>
<tr>
<td><strong>Active Ingredient:</strong></td>
<td>$4 \times 10^9$ Bradyrhizobium japonicum CFUs/ml</td>
</tr>
<tr>
<td><strong>Formulation:</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Application:</strong></td>
<td>On-seed and in-furrow</td>
</tr>
<tr>
<td><strong>Application Rate:</strong></td>
<td>3.4 ounces per 100 lbs</td>
</tr>
<tr>
<td><strong>Package Size:</strong></td>
<td>4 x 50 unit case, 2 x 200 unit case</td>
</tr>
<tr>
<td><strong>On-Seed Life:</strong></td>
<td>14 days</td>
</tr>
</tbody>
</table>

**Description**

BYSI-N Liquid for soybean is a high-quality, single-action inoculant for soybean with $4 \times 10^9$ viable Bradyrhizobium japonicum cells per milliliter. It is intended for soybean growers focusing solely on the benefits of good nitrogen fixation.

### Granular Formulation

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Crop:</strong></td>
<td>Soybean</td>
</tr>
<tr>
<td><strong>Active Ingredient:</strong></td>
<td>$1 \times 10^8$ Bradyrhizobium japonicum</td>
</tr>
<tr>
<td><strong>Formulation:</strong></td>
<td>Granular</td>
</tr>
<tr>
<td><strong>Application:</strong></td>
<td>In-furrow</td>
</tr>
<tr>
<td><strong>Application Rates:</strong></td>
<td>6.5 lbs/ac (7 in. row width), 5 lbs/ac (9 in. row width), 3.8 lbs/ac (12 in. row width)</td>
</tr>
<tr>
<td><strong>Package Size:</strong></td>
<td>40 lbs/bag</td>
</tr>
<tr>
<td><strong>Bulk Density:</strong></td>
<td>43 lbs/ft³</td>
</tr>
</tbody>
</table>

**Description**

BYSI-N Granular is a high-quality, single-action inoculant for soybeans. BYSI-N Granular uses the same field-proven, high-performing strain of Bradyrhizobium japonicum as the Liquid formulation. BYSI-N Granular is a well-proven, peat-based granular with good metering performance.

---

1. See our website at brettyoungusa.com for the latest compatibility information.
Single-Action Pea/Lentil Inoculant

Granular Formulation

<table>
<thead>
<tr>
<th>Crop</th>
<th>Pea and Lentil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Ingredient</td>
<td>1 x 10⁸ viable ( \text{Rhizobium leguminosarum} )</td>
</tr>
<tr>
<td>Formulation</td>
<td>Granular</td>
</tr>
<tr>
<td>Application</td>
<td>In-furrow</td>
</tr>
<tr>
<td>Application Rates</td>
<td>6.5 lbs/ac (7 in. row width)</td>
</tr>
<tr>
<td></td>
<td>5 lbs/ac (9 in. row width)</td>
</tr>
<tr>
<td></td>
<td>3.8 lbs/ac (12 in. row width)</td>
</tr>
<tr>
<td>Package Size</td>
<td>40 lbs/bag</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>43 lbs/ft³</td>
</tr>
</tbody>
</table>

Granular Formulation Advantages

- BYSI-N Granular provides the ideal environment for the maximum survival of the \( \text{Bradyrhizobium japonicum} \) in the root zone. The peat granule, and its ability to provide moisture, nutrients and temperature stability, ensures maximum rhizobia survival before they are able to nodulate the roots of the developing crop.

- BYSI-N Granular is a seed-row-placed product. This eliminates potential damage to rhizobia from seed-placed treatments. Compatibility issues are no longer a concern.

- BYSI-N provides consistent performance in a wide range of planting conditions. It provides the extra protection needed for successful performance in cold, dry and wet conditions. BYSI-N Granular makes the best of the worst conditions.

- Growers in the northerly production areas are often faced with lower carry-over of background rhizobium due to a number of factors. When seeding soybeans in these areas, it is recommended to double inoculate using BYSI-N Granular.

- Proper inoculation is critical to a successful pea or lentil crop.

Description

BYSI-N Granular for pea and lentil is a high-quality, single-action inoculant. BYSI-N Granular Pea & Lentil uses a field-proven, high-performing strain of \( \text{Rhizobium leguminosarum} \). It is a well-proven, peat-based granular with good metering performance for pea and lentil growers.