High-performance inoculant delivering outstanding value and yield boosts of 3% to 8% in peas and lentils.

- Highly efficient and more active strain of rhizobia.
- Convenient and easy-to-use liquid product that can be applied directly to seed.
- Can be applied up to six hours prior to seeding.
- The result is increased yield potential for your crops.

**Bioactive ingredient**
*Rhizobium leguminosarum* biovar *viceae*, strain 1435

**Formulation**
Liquid

**One case contains**
3 x 7.5 L bladders

**Storage**
Store inoculant in a cool (4 to 9°C), dry place, out of direct sunlight. Do not allow to freeze.

**Crops**
- Lentils
- Peas

**Treatment**
Apply directly on seed.

**Inoculant activity**
The convenient liquid formulation provides a reliable inoculant that is guaranteed to contain a minimum of $7.5 \times 10^8$ rhizobia per gram.

Nodulator® XL inoculant contains *Rhizobium leguminosarum* biovar *viceae*, a highly efficient, more active strain of rhizobium, selected to perform on pea and lentil crops for increased yield potential.

The rhizobia help to maximize nodulation resulting in increased fixation of nitrogen for higher yield and protein potential.

In 72 combined research trials over multiple years in Western Canada, Nodulator XL outyielded competitive products more than 80% of the time. Trial results showed yield increases of 3% to 8% and more, when compared to yields from competitive products.

Source: BASF trials, Southern AB, 2012

Source: BASF research farm, Lethbridge, AB, 2013
Maintaining diversity
The organism formulated into this product is classified as *Rhizobium leguminosarum* biovar viciae. All of the organisms used by BASF inoculants are common to Canadian soils. No BASF inoculant products sold in Canada contain genetically modified organisms.

Performance
Research shows that Nodulator XL, in peas and lentils, boosts yields up to 8% over the competitor.

Application rates
One case will treat 300 bushels of seed.

<table>
<thead>
<tr>
<th>Flow Valve Setting</th>
<th>Inoculant Flow Rate</th>
<th>Seed/Auger Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ml/min</td>
<td>fl. oz/min</td>
</tr>
<tr>
<td>1</td>
<td>360</td>
<td>12</td>
</tr>
<tr>
<td>2</td>
<td>860</td>
<td>29</td>
</tr>
<tr>
<td>3</td>
<td>1,340</td>
<td>45</td>
</tr>
<tr>
<td>4</td>
<td>1,660</td>
<td>56</td>
</tr>
<tr>
<td>5</td>
<td>1,780</td>
<td>60</td>
</tr>
<tr>
<td>6</td>
<td>2,030</td>
<td>68</td>
</tr>
</tbody>
</table>

Directions for use
1. Shake 7.5 L bladder well before using for a minimum of 30 seconds.
2. Replace bladder lid with hose kit.
3. Invert bladder above treatment area so the end of the hose is just above the seed (for accurate application rates, ensure hose is straight when dispensing inoculant).
4. Adjust flow valve to regulate the recommended application rate (see table above).
5. To ensure adequate mixing of seed and inoculant do not run auger at greater than HALF capacity.
6. Assess the application rate several times during inoculation to ensure correct target flow rate.
7. Product formulated to be applied directly to seed.

Application tips
Inoculated seed should be planted within six hours after application. Increased volume of inoculant per bushel of seed is advantageous. Under adverse or stressful planting conditions (hot, dry field conditions) an increased inoculant application rate is suggested.

Follow crops
No follow-crop restrictions.

Seed treatment compatibility
Some seed treatments are harmful to liquid inoculants. Please see respective product labels or call AgSolutions® Customer Care for further information.