

# Nodulator XL solid core granular inoculant technology sheet

Granule formulation improves flowability and boosts yields 3% to 8% in peas and lentils.

- A free-flowing clay granular inoculant for convenient application in furrow at seeding.
- Excellent performance under stressed planting conditions.
- Technologically advanced granular carrier for rhizobia.
- Low-dust formulation that is highly resistant to crumbling.

## Bioactive ingredient

*Rhizobium leguminosarum*  
biovar *viceae*, strain 1435

## Formulation

Light weight granules

## Package options

- 1 x 22.6 kg bag
- 1 x 364 kg mini-bulk Q-Pak

## Storage

Protect from temperatures above 20°C and away from direct sunlight.

## Crops

Lentils  
Peas

## Treatment

Applied directly in furrow.

## Inoculant activity

The product provides a reliable inoculant that is guaranteed to contain a minimum of  $8 \times 10^7$  rhizobia per gram.

Nodulator® XL solid core granular 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.

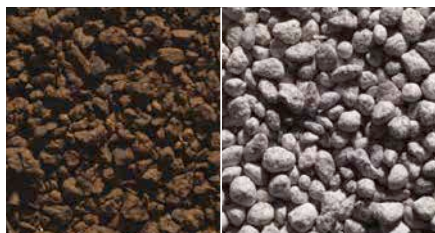
In 72 combined research trials over multiple years in Western Canada, Nodulator XL outyielded competitive products more than 80% of the time. Trial results showed yield increases of 3% to 8% and more, when compared to yields from competitive products.



Uninoculated peas

Nodulator XL peas

Source: BASF trials, 2007



Typical peat granules

Nodulator XL solid core granules

# Nodulator<sup>®</sup> XL SCG

Solid core granular pea and lentil Inoculant

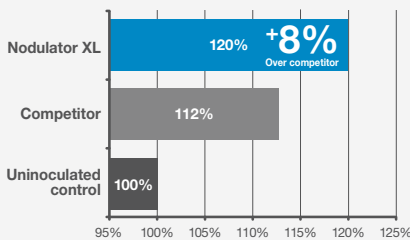
## Maintaining diversity

The organism formulated into this product is classified as *Rhizobium leguminosarum* biovar *viceae*. All of the organisms used by BASF inoculants are common to Canadian soils. No BASF inoculant product 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.

Increased yield: Nodulator XL vs competitor vs uninoculated control



Source: Independently generated field data from 87 station years (peas) and 84 station years (lentils). (n sites x n years)

## For more information

**AgSolutions** Customer Care  
Call: 1-877-371-BASF (2273)

Visit: [agsolutions.ca](http://agsolutions.ca)

## Application rates

**One bag will treat 10.6 acres (7" rows) to 18.5 acres (12" rows).**  
**One Q-Pak will treat 170 acres (7" rows) to 296 acres (12" rows).**

Apply granular inoculant directly in furrow at 28.5 grams/1,000 linear row feet.

Row Spacing		Application Rate		Area Treated Per Q-Pak	
cm	in	kg/ha	lb/ac	ha	ac
17.8	7	5.3	4.7	68.7	170.2
20.3	8	4.6	4.1	79.1	195.1
22.9	9	4.0	3.6	91.0	222.2
25.4	10	3.7	3.3	97.4	242.4
27.9	11	3.4	3.0	107.1	266.7
30.5	12	3.0	2.7	121.3	296.3

## Directions for use

Apply granular inoculant directly in the furrow at a specified rate.

Do not mix granular inoculant with granular pesticides or fertilizers during planting.

Product must not be applied at a depth that is less than the planting depth of the seed.

For calibration purposes, this product has a bulk density of 0.90 grams per cubic centimeter (56 pounds per cubic foot).

## Application tips

Do not mix inoculant with granular pesticides or fertilizers during planting.

Remove any unused granules from the hopper box at the end of each day's planting.

Do not allow granules to sit in a hopper overnight.

Environmental conditions may affect flowability of the product. Regularly check metering system to ensure proper flow.

## Follow crops

No follow-crop restrictions.

## Seed treatment compatibility

For details on seed treatment compatibility, see the Pea Seed Applied Pesticide Compatibility Information and Lentil Seed Applied Pesticide Compatibility Information documents available on [agsolutions.ca](http://agsolutions.ca), call **AgSolutions<sup>®</sup>** Customer Care at 1-877-371-BASF (2273) or contact your BASF Sales Representative.

## Always read and follow label directions.

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