

Nodulator Duo SCG inoculant

technology sheet

The newest solid core granular inoculant featuring root-strengthening biofilm – and taking yield potential to the next level.

- Top-performing strain of rhizobium (strain 1435) specifically selected for peas and lentils
- Root-strengthening biofilm bacterium (strain BU1814) helps protect the roots from the stresses encountered in the soil to reserve more energy for growth
- Technologically advanced multi-layered granular carrier for rhizobia

Bioactive ingredient

Rhizobium leguminosarum biovar *viceae* (strain 1435)
Bacillus subtilis (strain BU1814)

Formulation

Solid core granules

One case contains

1 x 22.68 kg bag
1 x 364 kg mini-bulk Q-Pak

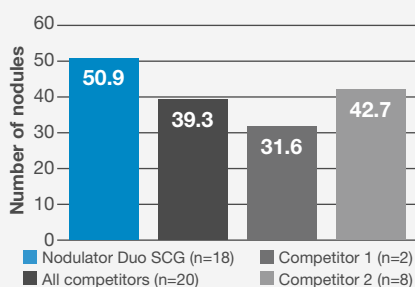
Storage

Store in a cool (10°C to 15°C), dry place, away from pesticides and bulk fertilizers.



Source: BASF research trials, 2017

Increased nodule production with Nodulator Duo SCG



Source: BASF research trials, 2018, 42-56 DAP

Crops

Peas or lentils

Treatment

Applied directly in furrow.

Inoculant activity

The product provides a reliable inoculant that is guaranteed to contain a minimum of 8×10^7 viable cells of *Rhizobium leguminosarum* biovar *viceae* per gram and 2×10^9 viable cells of *Bacillus subtilis* per gram.

Rhizobium leguminosarum biovar *viceae* strain 1435 is a highly efficient, more active strain of rhizobium, specifically selected to perform on pea and lentil crops for maximized yield potential.

Bacillus subtilis strain BU1814 is a bacterium that colonizes the developing root system forming a root-strengthening biofilm. This increases root and shoot biomass, enhances nutrient and water uptake, fortifies the root to better manage drought and other environmental stresses and acts as a medium to enhance nodulation.

The biofilm-forming bacterium in Biostacked® Nodulator® Duo SCG inoculant enhances the following plant functions:

- Seedling emergence
- Nutrient uptake
- Enhanced ability to manage stress
- Resource utilization

Maintaining diversity

The beneficial bioactive organisms, *Rhizobium leguminosarum* biovar *viceae* and *Bacillus subtilis* are common to Canadian soils. No BASF inoculant products sold in Canada contain genetically modified organisms.


We create chemistry

Nodulator® Duo SCG

Biostacked® solid core granular pea and lentil Inoculant

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 at a rate of 28.5 g/1,000 linear row feet.

Row spacing		Application rate		Area treated per bag	
cm	in	kg/ha	lb/ac	ha	ac
15.2	6	6.2	5.6	3.7	8.9
17.8	7	5.3	4.7	4.3	10.6
20.3	8	4.6	4.1	4.9	12.2
22.9	9	4.0	3.6	5.7	13.9
25.4	10	3.7	3.3	6.1	15.2
27.9	11	3.4	3.0	6.7	16.7
30.5	12	3.0	2.7	7.6	18.5

Directions for use

Prior to filling tank

Check tank seals on each compartment along with all metering components for signs of cracks and wear. Replace cracked or worn parts.

Ensure that inoculant bags and tank walls are dry prior to filling.

Run fans at the beginning of each day as a precaution to dry any condensation that may have accumulated overnight. Granular inoculants require a dedicated tank to ensure proper rate application.

Before filling, ensure that the screen at the top of the tank is in place.

Filling the tank

Use loading auger to fill tank and screens provided by equipment manufacturers.

To optimize flow (especially under humid conditions) it is suggested to only fill large compartments to no more than 50% capacity.

Apply granular inoculant directly in furrow at the specified rate. The product must not be applied at a depth that is less than the planting depth of the seed.

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

Application tips

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

Do not allow granules to sit in hopper overnight.

Environmental conditions may affect flowability of the product. Feeding mechanism should be cleaned often to ensure good flow.

Follow crops

No follow-crop restrictions.

Seed treatment compatibility

Nodulator Duo SCG is compatible with all seed-placed products, as it is applied directly to the furrow and does not come in contact with the seed.

For more information

Call **AgSolutions®** Customer Care at 1-877-371-BASF (2273) or visit agsolutions.ca

Always read and follow label directions.