

Nodulator®

Liquid Legume Inoculant for Pea & Lentil

Benefits

- Increased Crop Yield
- Easy to Apply

Guarantee

This product contains a minimum of 7.5×10^8 viable cells of *Rhizobium leguminosarum* bv. *viciae* per milliliter with a one year labeled expiration.

Product Information

Nodulator® liquid contains a single, crop specific strain of rhizobium, selected to perform on pea and lentil crops. It has over 750 million rhizobium per gram due to the sterile conditions under which the inoculant is produced. The combination of high rhizobium numbers and single strain of specific rhizobium increase legume crop's yield potential.

Directions for Use

2.5 fl. oz. (75 ml) of inoculant per 60 lbs (27.2 kg) of seed. This is the minimum suggested use rate. Increased volumes of inoculant per bushel of seed have been reported to be advantageous. Before using the product, read all the following instructions carefully.

- *Planter Box Application* - shake well, minimum of 30 seconds, and apply to the seed at the rate of 2.5 fl.oz. (75 ml) of inoculant per 60 lbs (27.2 kg) of seed.
- *Bulk Seed Application*
 1. Shake well before using for a minimum of 30 seconds.
 2. Remove cap from bladder and attach flow valve and hose.
 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 match output of seed auger.
 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.

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VALVE SETTING	INOCULANT FLOW RATE fl. oz./min (mL/min)	AUGER OUTPUT lb/min (kg/min.)	APPROXIMATE AUGER OUTPUT (unit/min.)
1	12 (360)	286 (130)	5.7
2	29 (860)	690 (313)	13.8
3	45 (1340)	1071 (486)	21.4
4	56 (1660)	1333 (604)	26.6
5	60 (1780)	1428 (647)	28.5
6	68 (2030)	1619 (738)	32.5

Seed Treatment Compatibility

Some seed treatments can be harmful to liquid inoculants. Contact your dealer/manufacturer or visit web site at www.beckerunderwood.com for details. Please observe planting window recommendations for optimal responses.

Precautions

Inoculants are live organisms. Store inoculant and inoculated seed between 40°-77°F (4°-25°C). Do not allow product to freeze. For more uniform temperature control, store at floor level. Ensure that inoculant is stored correctly in the field prior to use. Once opened, use within 24 hours. Inoculated seed should be planted immediately, ideally within 4-6 hours. Protect inoculated seed from direct sunlight, high temperatures, and hot winds. If not planted within 24 hours, seed must be re-inoculated. Do not use inoculant that is past its expiration date or that has not been correctly stored. Unless otherwise directed, do not mix inoculant with fertilizers or pesticides. If soils are especially dry at planting, any risk of damage to the inoculant can be minimized through light irrigation. Under adverse or stress planting conditions (hot, dry field conditions), it is suggested to increase the inoculant application rate. For first time fields, it is recommended that peat-based or granular inoculants be used.