

# It's what's below the ground that counts.

Annual inoculation is the best practice for setting up your pea and lentil crops to reach the optimal yield potential, starting from crop establishment. Technology has advanced to offer growers benefits beyond rhizobial species selected for impact on nodulation and nitrogen fixation. It also offers a range of beneficial biologicals. These biologicals can vary in their impact, from plant growth and nutrient solubilization to stress tolerance through harsh spring seasons. It is the activity and action of these biological organisms below ground that has the most impact on your pea and lentil crops reaching their ultimate yield potential.

For more information, contact your BASF **AgSolutions**® Grower or Retail Representative, BASF **AgSolutions** Crop Establishment Specialist or call **AgSolutions** Customer Care at 1-877-371-BASF (2273).

Product	Nodulator® Duo SCG	Atuva™ PL GR	TagTeam® BioniQ®	LALFIX® START	LALFIX® Spherical	Primo GX2	AGTIV® Pulses
Company	BASF	Syngenta	FMC	Lallemand	Lallemand	Verdesian	Premier Horticulture Ltd.
Manufacturer	BASF	Rizobacter	Novonosis	Lallemand	Lallemand	Verdesian	Premier Tech
Strain	<i>Rhizobium leguminosarum</i> biovar viceae (strain 1435)	<i>Rhizobium leguminosarum</i> biovar viciae	<i>Rhizobium leguminosarum</i>	<i>Rhizobium leguminosarum</i> biovar viceae – multi-strain	<i>Rhizobium leguminosarum</i> biovar viceae – multi-strain	<i>Rhizobium leguminosarum</i> biovar viceae – multi-strain	<i>Rhizobium leguminosarum</i> biovar viceae
Crop	Crop Specialist - Pea, Lentil	Pea, Lentil	Pea, Lentil	Crop Generalist – Pea, Lentil, Faba Bean, Chickpea	Crop Generalist - Pea, Lentil, Faba Bean	Crop Generalist - Pea, Lentil, Garbanzo	Crop Generalist – Pea, Lentil
Label Guarantee CFU/g	8 x 10 <sup>7</sup>	1 x 10 <sup>9</sup>	7.5 x 10 <sup>7</sup>	1 x 10 <sup>8</sup>	1 x 10 <sup>8</sup>	5 x 10 <sup>7</sup>	1.3 x 10 <sup>8</sup>
Added Biological Component	<i>Bacillus subtilis</i> (strain BU1814)	None	<i>Penicillium bilaiae</i> lipochitoooligosaccharide <i>Bacillus amyloliquefaciens</i> <i>Trichoderma virens</i>	<i>Bacillus velezensis</i> <i>Mesorhizobium ciceri</i>	None	<i>Azospirillum brasilense</i> <i>Mesorhizobium ciceri</i>	<i>Rhizopagus irregularis</i>
Function of Added Biological	PGPR (Plant Growth Promoter) Root biofilm protection from stress, growth-enhancing nutrient and moisture uptake	N/A	Phos Solubilizer LCO PGPR	Phos Solubilizer PGPR	N/A	PGPR	Mycorrhizae
Formulation	Solid Core Clay Granular	Peat Granular	Peat Granular	Spherical Granular	Spherical Granular	Peat Granular	Peat Granular
Packaging	22.68 kg bag	18.1 kg	18 kg	12.2 kg	12.2 kg	18.1 kg	18.2 kg
Bulk Packaging	364 kg Q-Pak	290 kg	454 kg	391.9 kg	391.9 kg	235 kg	364 kg
Application Recommendation lb/ac (based on 10" row)	3.3	4.6	3.3	2.7	2.7	4.3	4.0
Approximate Acres per Package (smallest pkg, 10" spacing)	15	8.7	12	10	10	9	10
Grower Programming Qualified	BASF Ag Rewards	Undetermined at time of release	None	None	None	None	None
Biological Claims	Biostacked® advantage for pea and lentil crops in SCG formulation. Leading genetic selection of rhizobia strain that has optimal colonization of roots and nitrogen fixation in pea and lentil crops. Root-strengthening biofilm (BU1814) protects roots from stresses encountered in the soil, resulting in energy being reserved for greater biomass growth and optimal yield.	None	Four biological actives. Phosphate-solubilizing <i>Penicillium bilaiae</i> fungi along with two biologicals ( <i>Bacillus amyloliquefaciens</i> and <i>Trichoderma virens</i> ) for increased nutrient availability. Traditional peat crumble granular.	None	None	Multi-action traditional peat crumble granular inoculant.	Additional endomycorrhizal. Traditional peat crumble granular.

Source: All product technical information obtained from respective product labels and company websites.

## Nodulator® Duo SCG

Biostacked® solid core granular pea and lentil Inoculant

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