



CHARACTERISTICS

Active Ingredient

1×10^9 *Bradyrhizobium elkanii* CFU/g
 5×10^7 *Bacillus velezensis* CFU/g

Bulk Density

31.5 lbs per cu. ft., 0.505 kg/L

Package Size

27 lbs (12.2 kg) per bag
432 lbs (196 kg) per tote

Always read and follow label instructions

MULTI-ACTION PREMIUM SOYBEAN GRANULAR INOCULANT

With its high porosity structure maintaining the growth environment to protect and preserve the two unique strains of rhizobia, **LALFIX® START SPHERICAL Soybean** offers unmatched **performance, durability** and **ease-of-use**.

Our proprietary, dual-action phosphorus solubilizer, *Bacillus velezensis*, contained within each granule, quickly colonizes the root system allowing for newly available phosphorus to be efficiently taken up by the plant. In fact, the biological contained within **LALFIX® START SPHERICAL Soybean** is the benchmark for increased phosphorus availability at all soil pH levels.

Once applied to the soil, the highly efficient bacteria will colonize the root promoting early nodulation and N fixation for better crop establishment and enhanced yields.

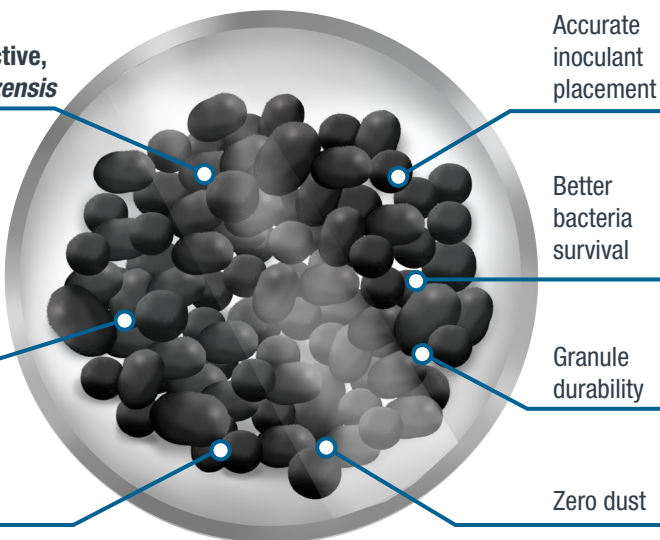


ADVANTAGES

Addition of active, *Bacillus velezensis*

Better flowability through application equipment

Consistent granule size



Accurate inoculant placement

Better bacteria survival

Granule durability

Zero dust

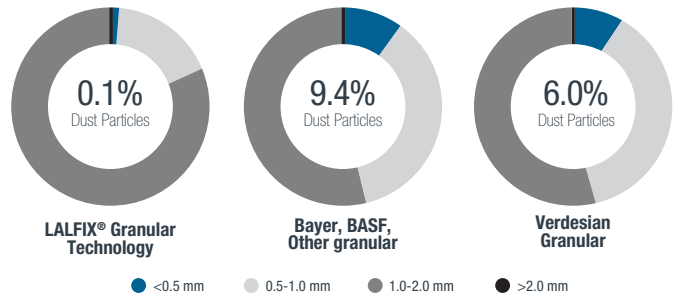
APPLICATION RATE

IN-FURROW

- 10-inch row spacing, apply 2.7 pounds per acre with one bag treating 10 acres. *See table for recommended rates by row spacing.*

SPHERICAL GRANULE: CONSISTENT SIZE & LOW DUST

AGVISE LABORATORIES, NORTHWOOD, ND - 2019





SOYBEAN



SPHERICAL GRANULAR



INOCULANT

MODES OF ACTION

Bacillus velezensis

Phosphorus Solubilization

ORGANIC ACIDS ACTION ON MINERAL PHOSPHORUS

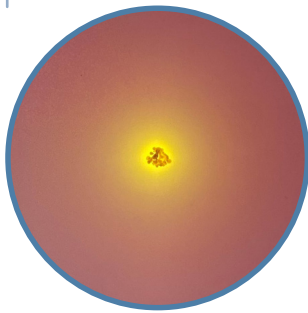
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PHYTASE ACTION ON ORGANIC PHOSPHORUS

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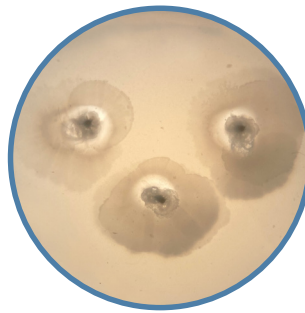
INCREASED PHOSPHORUS AVAILABLE IN THE RHIZOSPHERE

Bacillus velezensis NCIMB 30322 colony



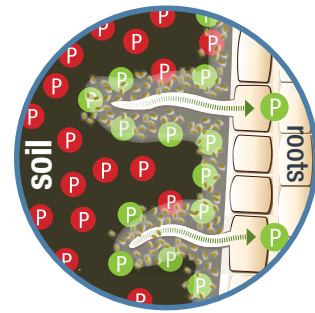
Below pH 5.2 ↔ Above pH 6.8

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Halo indicates bacterial phytase activity

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Solubilizes phosphorus: Up to 28% increase

APPLICATION TIPS

- Follow equipment manufacturer's calibration methods.
- Calibrate in field at time of product use.
- Environmental conditions may affect calibration set points and overall granular flowability. Check calibration regularly.
- Ensure hopper tank, metering system and delivery hoses are clean from moisture, fertilizer, and pesticide residue before calibration.
- Granules should be applied directly into the seed trench furrow with the seed.
- Application rates greater than recommended are not detrimental and increased application rates may be beneficial.

Reference chart below for specific row width and suggested application rates:

ROW WIDTH		RECOMMENDED RATE			AREA TREATED - ACRES	
in	cm	lbs/ac	kg/ac	kg/ha	BAG	TOTE
6	15	4.4	2	5	6.1	98
7	18	3.8	1.7	4.3	7.1	113.5
8	20	3.3	1.5	3.7	8.2	131
9	23	3.0	1.4	3.3	9.0	144
10	25	2.7	1.2	3.0	10.0	160
12	30	2.2	1.0	2.5	12.3	196.5
15	38	1.8	0.8	2.0	15.0	240
22	56	1.2	0.5	1.4	22.5	360
30	76	0.9	0.4	1.0	30.0	480

COMPATIBILITY

LALFIX® START SPHERICAL Soybean is compatible with seed-applied treatments and other in-furrow applications. If you have a compatibility question, contact your Lallemand Plant Care representative for more information.

About Lallemand Plant Care

Since the beginning of the 20th Century, LALLEMAND has been an expert in yeast and bacteria manufacturing. The family-owned company is now a global leader in the development, production, and marketing of microorganisms for various agri-food industries. Using sound science and know-how, LALLEMAND PLANT CARE (LPC) works closely with clients to deliver the right technology, in the right formulation, for the right application. LPC is committed to solving grower challenges, significantly improving yield and crop vitality.

Microbial By Nature

www.lallemandplantcare.com



LALLEMAND PLANT CARE