

XiteBio® PulseRhizo®

Liquid Inoculant for Pea, Lentil and Faba Bean Promotes Yield for Pea, Lentil and Faba Bean

MINIMUM GUARANTEE:

7.2 X 10⁸ viable *Rhizobium leguminosarum* bv. *viceae* cells per gram

- ◇ SHAKE WELL BEFORE USE
- ◇ OPEN PACKAGE ONLY WHEN READY TO USE
- ◇ USE BEFORE EXPIRATION DATE
- ◇ AVOID REPEATED FREEZE AND THAW
- ◇ STORE IN COOL PLACE AWAY FROM DIRECT SUN LIGHT AND WIND

APPLICATION RATE:

-On Seed

75 mL/27 kg
(2.5 fl oz/ 60 lb or 2.1 fl oz/ 50 lb)

-In Furrow

250 mL/ac or 618 mL/ha
(at 12 inch or 30 cm row spacing)

UNIT TREATS:

-On Seed

1,089 kg (2,400 lb)
40 bu (27 kg/60 lb = 1 bu)

-In Furrow

12 acres at 12 inch row spacing
4.9 ha at 30 cm row spacing

NET WEIGHT: 3.0 kg (6.6 lb)

NET CONTENT: 3.0 Liters (101.44 US fl oz)

Lot # _____

Use before: _____

NOT A PLANT FOOD PRODUCT

DIRECTIONS FOR USE ON-SEED

Shake well before use. Settling of bacteria is normal. Shake product to achieve uniform suspension. Protect inoculated seed from sunlight and drying winds. For best results, plant inoculated seed as soon as possible but inoculated seeds should go to ground within 48 hours. Increased volumes of inoculant per bushel of seed may be advantageous. Before using the product, read all instructions in the label carefully.

CAUTIONS: Over-application may initially cause sticky seed. Dried seeds are no longer sticky, but seeds may be clumped or bridged. Break seed clumps before planting. Reduce rate of PulseRhizo® to get rid of the problem. Some seed-applied chemicals, including fungicides, may be harmful to the inoculant. Contact XiteBio Technologies Inc. for more information (204-257-0775).

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DIRECTIONS FOR IN-FURROW APPLICATION:

Shake well before using to ensure an even suspension. Settling of bacteria during storage is normal. Ensure a clean liquid delivery system is used to apply the PulseRhizo® inoculant. Remove spray tips and replace with appropriate flow regulator orifice disc, and direct the solid stream behind the seed planting assembly in the furrow. Do not apply banded to the side, below, or above the seed.

Mixing procedures: Clean the applicator tank and empty the correct amount of PulseRhizo® liquid inoculant to be applied directly into the tank. Fill the tank with the appropriate amount of clean, non-chlorinated water for the amount of inoculant. Product will be mixed with this process and may not require agitation to remain in suspension, if used immediately. Use the diluted product within 24 hours. Do not allow the tank mix to exceed 37 °C (100 °F).

Application Procedures: PulseRhizo® should be applied at a rate of 250 mL/acre at 12 inch row spacing. The rate should be adjusted accordingly for narrower or wider row spacing. The diluted product may be applied at 3 to 20 gallons per ac (28 to 190 liters per ha). Calibrate the flow rate to deliver the correct amount depending on row spacing.

Please See Table Below.

| Row Spacing (inches) | Row Spacing (cm) | PulseRhizo™ rate (mL/ac) | PulseRhizo™ rate (mL/ha) | PulseRhizo™ rate (fl oz/ac) | Area treated/bag (ac) | Area treated/bag (ha) |
|-------------------------|---------------------|-----------------------------|-----------------------------|--------------------------------|--------------------------|--------------------------|
| 15 | 38 | 200 | 494 | 6.8 | 15.0 | 6.1 |
| 12 | 30 | 250 | 618 | 8.5 | 12.0 | 4.9 |
| 9 | 23 | 333 | 823 | 11.3 | 9.0 | 3.6 |

LIMITED WARRANTY: The seller warrants that this product conforms to its label's minimum guarantee of *Rhizobium* and is suitable for its intended use if stored and used strictly as per the label directions under normal conditions of use. The seller makes no other warranty, expressed or implied, a to product viability or performance since storage, use, and growing conditions are beyond seller's control. Seller's guarantee is limited to the terms set out on the label and subject thereto. Buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition