

USA

# Optimize<sup>®</sup> granular

LCO Promoter Technology<sup>®</sup> for

pea and lentil

## Extended label

**Not a plant food product**

**Product No. 8012-740**

**Net weight**

18 kg (40 lb)

**Formulated in an inoculant carrier**

### Caution

Avoid prolonged or repeated skin contact or inhalation of dust. Recommend wearing of dust mask, safety glasses, and protective gloves.

- Store in a cool place and keep bag tightly closed
- Use before expiration date
- Do not band this material. It must be applied in-furrow
- Important: Store flat until ready to use
- Use before date printed on tape

*Metric system:* To apply at the rate of 40 grams per 300 meters of row, calibrate equipment to place 5.6 kilograms per hectare for 23 centimeter rows. Adjust equipment down, only a small amount at one time – then try.

Note: 70 ml of Optimize weighs approximately 40 grams. If planting in other than 23 centimeter rows, use the following table to determine the amount of Optimize required per hectare:

|                         |      |      |      |      |      |      |
|-------------------------|------|------|------|------|------|------|
| Row width (centimeters) | 76.0 | 55.9 | 38.0 | 30.0 | 23.0 | 17.8 |
| Kilograms/hectare       | 1.8  | 2.4  | 3.5  | 4.4  | 5.8  | 7.5  |

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### MINIMUM GUARANTEE

ACTIVE: 100 million (1 x 10<sup>8</sup>) viable *Rhizobium leguminosarum* biovar *viceae* per gram and a minimum of 2 x 10<sup>8</sup>% lipo-chitooligosaccharide.

### Directions for use

Read directions before use.

1. **Application equipment:** Optimize is best applied with the following granular application equipment: a) dedicated air seed tank; b) bulk granular applicators (Beline, Valmar, etc.); c) hoe-drill or press-drill units (adjust short flexible tubing from hopper to planter unit so that it is as straight and vertical as possible). Optimize may also be applied through granular insecticide boxes or standard grain drills. Clean tank/hopper, rotor and calibration mechanism thoroughly before filling.
2. **Determine application rate:** Optimize should be applied in-furrow at the rate of 40 grams per 300 meters (1.4 ounces per 1,000 feet) of row.
3. **Calibrate equipment** before each use. Follow calibration instructions supplied by the equipment manufacturer. Set controls at a larger opening and adjust down to give the desired application rate of 40 grams per 300 meters (1.4 ounces per 1,000 feet) of row.

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*U.S. customary system:* To apply at the rate of 1.4 ounces per 1,000 feet of row, calibrate equipment to place 5 pounds per acre for 9 inch rows. Adjust equipment down, only a small amount at one time – then try.

Note: One-quarter cupful of Optimize weighs approximately 1.4 ounces. If planting in other than 9 inch rows, use the following table to determine the amount of Optimize required per acre:

| Row width (inches) | 30  | 22  | 15  | 12  | 9   | 7   |
|--------------------|-----|-----|-----|-----|-----|-----|
| Pounds/acre        | 1.5 | 2.1 | 3.0 | 3.8 | 5.1 | 6.5 |

- Note: Some growers have increased yields by using application rates in excess of 40 grams per 300 meters (1.4 ounces per 1,000 feet) of row. There is no danger in using heavy doses of Optimize.
- Do not fill tank/hopper until you get to the field. Remove all unused Optimize inoculant at completion of day's work. Do not allow to remain in tank/hopper overnight.

## Flowability

- Optimize flow may be affected by humid conditions. Clean rotor and adjustable opening often to insure good flow. See limited warranty below.
- Do not use Chemical-Saver meter roller on John Deere MaxEmerge™ Plus planters. Remove system while Optimize is being used.

## Limited warranty

The seller warrants that this product contains a minimum number of *Rhizobium leguminosarum* and lipo-chitooligosaccharide viable cells as specified on this label. The seller makes no other warranty expressed or implied as to product viability or performance since storage, use, and growing conditions are beyond the 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.

U.S. Patent 5,549,718 5,646,018 6,979,664

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