

Soil Implant[®]+

granular inoculant for

chickpea

Extended label

Not a plant food product

Product No. 1217

Net weight

18 kg (40 lb)

Features

- This product is a culture of nodule-forming, nitrogen-fixing bacteria which gather free air nitrogen and make it available to the plant
- Applies easily through standard insecticide hoppers
- Injects massive numbers of bacteria directly into the soil as you plant
- Separates bacteria from direct contact with chemical seed protectants
- An essential part of your program to increase yields – profitably

Caution

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

Metric system: To apply at the rate of 170 grams per 300 meters of row, calibrate equipment to place 7.3 kilograms per hectare for 76 centimeter rows. Adjust equipment down, only a small amount at one time – then try.

Note: 250 ml of Soil Implant inoculant weighs approximately 190 grams. If planting in other than 76 centimeter rows, use the following table to determine the amount of Soil Implant required per hectare:

Row width (centimeters)	76.0	55.9	38.0	30.0	23.0	17.8
Kilograms/hectare	7.3	10.1	14.6	18.5	24.4	31.4

GUARANTEED MINIMUM ANALYSIS

Contains a minimum of 100 million (1×10^8) viable cells of *Mesorhizobium ciceri* per gram

Direction for use

Soil Implant inoculant is different from granular pesticides in that it has a high moisture content. This is essential for bacteria survival. For best performance read and follow these directions for use.

1. **Application equipment:** Soil Implant is best applied with the following granular application equipment: a) Dedicated air seeder 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). Soil Implant 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:** Soil Implant should be applied in-furrow at the rate of 170 grams per 300 meters of row (6.0 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 170 grams per 300 meters of row

Soil Implant[®]+

granular inoculant for

chickpea

U.S. customary system: To apply at the rate of 6 ounces per 1,000 feet of row, calibrate equipment to place 6.5 pounds per acre for 30 inch rows. Adjust equipment down, only a small amount at one time – then try.

Note: One heaping cupful of Soil Implant inoculant weighs approximately 6 ounces. If planting in other than 30 inch rows, use the following table to determine the amount of Soil Implant required per acre:

Row width (inches)	30	22	15	12	9	7
Pounds/acre	6.5	9.0	13.0	16.5	21.8	28.0

4. **Note:** Some growers have increased yields by using application rates in excess of 6 ounces per 1,000 linear feet of row. There is no danger in using heavy doses of Soil Implant inoculant

A 2X application rate is advisable under adverse planting conditions and on land not previously planted to this legume.

5. Do not fill tank/hopper until you get to the field. Remove all unused Soil Implant inoculant at completion of day's work. Do not allow to remain in tank/hopper overnight

Precautions

- Store in a cool, dry place and keep bag tightly closed. Store flat
- Use before expiration date
- Do not mix with fertilizer
- Do not band this material. It must be applied in the furrow
- U.S. – Information regarding the contents and levels of metals in this product is available at the Oregon Dept. of Agriculture internet site: <http://oda.state.or.us/fertilizer>

Flowability

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

Limited warranty

The seller warrants that this product contains a minimum number of *Mesorhizobium ciceri* per gram of 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.



Novozymes BioAg Inc.
3101 W. Custer Avenue
Milwaukee, WI 53209 USA
1-800-558-1003

Registration # 940053A Canadian Fertilizers Act