

SO-FAST® LIQUID SOYBEAN

How it Works

The active ingredient in SO-FAST® LIQUID SOYBEAN is the bacterium *Bradyrhizobium japonicum*. *Bradyrhizobium japonicum* forms root nodules which convert, or fix, nitrogen in the air into forms the plant can use.

MINIMUM GUARANTEED ANALYSIS

ACTIVE: 2 billion (2x10⁹) CFU per gram *Bradyrhizobium japonicum*

INERT: Aqueous carrier > 99%

REGISTRATION NUMBER 2016157A FERTILIZERS ACT.

MANUFACTURED FOR AND DISTRIBUTED BY:

LOVELAND PRODUCTS CANADA INC.

PO BOX 5234 | 64137 HWY 543 E

HIGH RIVER, AB CANADA T1V 1M4

PRODUCT INQUIRIES: 1-800-328-4678

24HR EMERGENCY CONTACT: 1-800-561-8273

NET CONTENTS: 3.1 L

SHAKE WELL BEFORE USE.

STORE IN A COOL PLACE.

USE BEFORE EXPIRATION DATE.

OPEN PACKAGE ONLY WHEN READY TO USE.

NONPLANT FOOD INGREDIENT

Not a fertilizer substitute

Applicators and Other Handlers

The active ingredient in SO-FAST LIQUID SOYBEAN is *Bradyrhizobium japonicum* viable cells. Eye or skin contact, inhalation, or ingestion should be avoided. Wear standard protective clothing and equipment including gloves, safety glasses. Ensure adequate ventilation. Where exposure through inhalation may occur, use respiratory protective equipment. This product contains microorganisms that may have the potential to provoke sensitizing reactions; use appropriate personal protective equipment (PPE) to reduce exposure. Sensitized individuals should wear an NIOSH-approved respirator. In case of contact with skin or eyes, immediately flush exposed areas with plenty of water. Get medical attention if irritation occurs.

Storage and Disposal

The active ingredient in SO-FAST LIQUID SOYBEAN is a living organism and requires specific storage conditions to ensure viability and product performance. To maintain product viability:

- Store bags under cool conditions, between 32°F (0°C) and 77°F (25°C), away from sunlight and direct heat sources.
- Minimize temperature fluctuations.
- Avoid freeze/thaw cycles.

- Keep container closed when not in use.
- Use before the expiration date. The expiration date is valid only for unopened bags stored under the conditions listed above.
- Use this product only in well-ventilated areas.

Unused SO-FAST LIQUID SOYBEAN and seed to which SO-FAST LIQUID SOYBEAN has been applied should be disposed of in accordance with applicable federal, state/provincial and local requirements.

SHAKE WELL BEFORE USING.

Read the entire label before using this product. Use only according to label directions.

Open package only when ready to use. Use before expiration date.

Directions for On-Seed Use

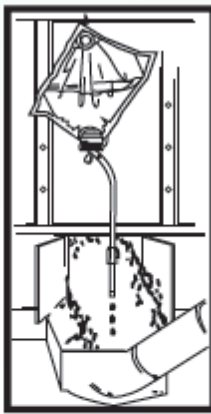
Batch application

1 
Pour desired quantity into measuring cup.

2 
Pour around top of seed.

3 
Stir well to coat all seed.

Continuous application



Remove bladder from box, remove cap, remove inner seal and replace with applicator cap and tubing. Hang bag and calibrate.

Proper rate of SO-FAST LIQUID SOYBEAN is when seed first becomes uniformly coated and glistens.

Initially calibrate SO-FAST LIQUID SOYBEAN flow below the recommended rate, and then increase to proper rate.

Operate the auger at half capacity for best mixing.

Rate of Application

- On-seed
63 ml/23 kg
(2.1fl oz per unit [50 lb])

Unit Treats

- On-seed
1,135 kg (2,502 lb)
41.7 bu (50 units) or
7,000,000* seeds
*based on 140,000
seeds per unit

Settling of bacteria is normal. Shake product well before use to achieve a uniform suspension. Protect inoculated seed from sunlight and drying winds. SO-FAST LIQUID SOYBEAN is a biological product which may be sensitive to chemical residues. Plant inoculated seed within four days.

For Best Results

Over-application may initially cause sticky seed. Dried seeds are no longer sticky, but seeds may be clumped or bridged. Break seed clumps apart before planting. Decrease SO-FAST LIQUID SOYBEAN rate to eliminate the problem.

Seed Treatment Recommendations

Application with other seed treatments is possible, but may reduce the planting window. For up-to-date pesticide compatibility information, please call Loveland Products Canada at 1-800-328-4678.

On-Seed

1. Measure the appropriate rate for the quantity of seed being inoculated.
2. Pour over the seed and stir well until all seeds glisten. Rate: 75 ml/27 kg (2.5 fl oz/bu [60 lb]) or 63 ml/23 kg (2.1 fl oz per unit [50 lb]).

Continuous Application

1. Remove bladder from box, remove cap, remove inner seal and replace with applicator cap and tubing.
2. If you are using the SO-FAST LIQUID SOYBEAN “Application Kit”, insert “S” hook in opening on bag and hang assembled unit to allow placement of the tube end at the base of the auger. Otherwise, hang the assembled unit to allow placement of the tube end at the base of the auger.

Directions for In-Furrow Use



Rate of Application Unit Treats

- In-furrow • In-furrow

15-30 ml/304 m of row 2.5 hectares at 76 cm row width
(0.5-1 fl oz/1,000 ft of row) (6.5 acres at 30 inch row width)

Settling of bacteria is normal. Shake product well before use to achieve a uniform suspension. SO-FAST LIQUID SOYBEAN is a biological product which may be sensitive to chemical residues. Do not apply banded to the side, below, or above the seed. In hot/dry soil conditions, minimize the harmful effects on the inoculant by applying water as soon as possible (irrigated land). If using a pivot irrigation to apply product start on the soybeans that were planted first. Use the diluted product within 24 hours. Do not allow tank mix to exceed 37.7°C (100°F).

In-Furrow

1. Shake product well before use to achieve a uniform suspension and empty into the cleaned spray tank.
2. Fill the spray tank with clean, non-chlorinated water to the appropriate level. Product will be mixed with this procedure and does not require agitation to remain in suspension.
3. Use a clean liquid delivery system to apply the diluted inoculant in the furrow directly on the seed.
4. SO-FAST LIQUID SOYBEAN is to be applied in-furrow at a rate of 15 to 30 milliliters of concentrate per 304 meters of row (0.5 to 1 fluid ounce per 1,000 feet of row). The application of the diluted product may be applied at 28 to 190 liters per hectare (3 to 20 gallons per acre). Calibrate equipment to deliver correct flow rate. The quantity of product delivered per hectare (acre) will vary depending upon row width.

Metric Measurements		
Row width (cm)	Recommended product rate* (ml/ha)	Unit treats (ha)
38	1,280 - 2,560	1.2 - 2.4
51	950 - 1,900	1.6 - 3.2
76	620 - 1,240	2.5 - 3.0
91	550 - 1,100	2.8 - 5.6

U.S. Customary Measurements		
Row width (in)	Recommended product rate* (fl oz/ac)	Unit treats (ac)
15	17.5 - 35.0	3.0 - 6.0
20	13.0 - 26.0	4.0 - 8.0
30	8.5 - 17.0	6.2 - 12.4
36	7.5 - 15.0	7.0 - 14.0

* Under adverse conditions or on first year land, use full rate of SO-FAST LIQUID SOYBEAN (30 milliliters per 304 meters of row or 1 fluid ounce per 1,000 feet of row).

WARRANTY DISCLAIMER AND NOTICE

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Information regarding the contents and levels of metals in this product is available on the internet at: <http://www.aapfco.org/metals.html>