

## Biological inoculant

# Launcher

## Liquid Soybean Inoculant

Direct Liquid Application  
On seed – In furrow

Registration number: XXX FERTILIZERS ACT

Guaranteed Minimum Analysis  
*Bradyrhizobium japonicum* - 4.10<sup>9</sup> CFU/mL

Inoculant based on  
*Bradyrhizobium japonicum*  
for the effective nitrogen  
fixation on soybean seed  
(*Glycine max*).

Net weight:  
**1.25 Kg (44.1 oz)**  
Net volume:  
**1.18 L (40 fl.oz)**

Batch No: (See the Packet)  
Expiry Date: (See the Packet)

SHAKE BEFORE USING

CONTAINS NON-PLANT FOOD INGREDIENTS  
Not a plant food product.



Developed and Manufactured by:  
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### GENERALITIES

**Launcher** is an inoculant for soybean based on exclusive formulation and manufacturing processes that maximize product quality and response.

### WARNING

- Do not use after expiration date.
- Keep in a cool and shaded place.
- Do not expose the product to sunlight.
- Use only for soybeans.
- Use within 24 hours after package has been opened.
- KEEP OUT OF REACH OF CHILDREN.
- Wear regular working clothes to avoid contact with eyes and skin.
- Follow the regular hygienic practices after using this product. After handling the product, wash arms, hands and face with water and soap before eating, drinking, or smoking.
- Skin/Dermal: In case of excessive skin contact, it is advisable to take off the clothing or the equipment used and wash the parts exposed to the product with abundant water and soap.
- Eyes: Wash with abundant clean water for 15 minutes while holding eyelids open during the wash. Call a doctor if irritation develops.
- Ingestion: Get medical assistance. It is recommended to induce vomiting if a great volume has been swallowed (>500 mL/ 16.9 fl oz).
- Inhalation: If the exposure has been excessive, take the patient to the outside.
- Call a doctor if irritation develops.

### STORAGE

Store between 2°C (35.6°F) and 25°C (77°F), in a dark and dry place, away from pesticides. Failure to do so will cause irreversible damage and render the product unfit for use.

### DIRECTIONS FOR USE

#### SEED APPLIED

**Application rate:** 130 ml per 100 kg (4.39 fl oz/220.46 pounds or 2 fl oz/cwt) of soybean seeds (*Glycine max*).

1. Apply product to seed according to the application rate. Mix until obtaining a uniform coverage.
2. Properly aerate the seed for several minutes to dry it.
3. Store treated seed in a cool, dark and well-ventilated place. Prevent from freezing.

For seed treatment compatibility and planting window see distributor's website for the updated list of compatible chemicals and the stability on seed.

Fields which have not grown soybeans in the last 3 seasons, have extreme pH or experienced flooding for several days should be double inoculated with the use of an in-furrow soybean inoculant in addition to seed-applied **Launcher**. Contact your agricultural inputs supplier for specific recommendations.

#### IN FURROW

**Application rate:** 5 mL/100 meters (0.5 fl oz / 1000 feet) of row. The product needs to be applied diluted with non-chlorinated water at total volume of 27-185 L/ha or 3 - 20 gallons/acre.

Row width	Recommended Inoculant rate
15 inches (38 cm)	17.5 fl oz/ac 517 ml/ac
20 inches (51 cm)	13 fl oz/ac 385 ml/ac
30 inches (76 cm)	8.5 fl oz/ac 250 ml/ac
36 inches (91 cm)	7.5 fl oz/ac 220 ml/ac

#### FURTHER RECOMMENDATIONS

- All seed application processes must be carried out in a shading place, away from direct sunlight.
- To ensure evenly coated seeds, use specialized equipment for the treatment.
- If sowing is done right after seed treatment, allow seed to dry before loading planter.
- Calibrate the planter with treated seed before planting.

#### LIMITED WARRANTY

After delivery, Rizobacter Argentina S.A. and its Distributor are not responsible for the wrong use of the product. Buyers must follow the recommendations on this label, assume the risk to persons or property arising from the use or handling of this product and accept the product on that condition.