

PATROL® II Liquid Soybean Inoculant

**Sufficient to Treat 1136kg (2500lbs / 50 x 50lb units) of Seed
(As On-Seed or In-Furrow treatment)**

Store inoculant in a cool (below 20°C/70°F), dry place out of direct sunlight.
DO NOT ALLOW TO FREEZE

GUARANTEE

This product contains a minimum of 2×10^9 viable cells of *Bradyrhizobium japonicum* per gram.

Registration No. 2004005A Fertilizers Act

Net Volume: 3.1Kg (3.11L / 0.82 U.S. gal)

*Manufactured for United Agri Products Canada Inc.,
789 Donnybrook Drive,
Dorchester, Ontario N0L 1G5*

.....

DIRECTIONS FOR USE

APPLICATION RATE - This liquid inoculant has been especially formulated for both on seed and in-furrow applications. Before using the product, read all the following instructions carefully.

PLANTER BOX APPLICATION: Shake the product well, and apply to the seed at the rate of 125 mL/45.45 kg (4.2 fl. oz. / 2x50 lb. seed units or 5 fl. oz. / 2 bushels)

BULK SEED APPLICATION:

1. Remove cap and insert gasket into valve body. Attach flow valve and hose.
2. Invert bladder above treatment area so the end of the hose is just above the seed (for accurate application rates, ensure hose is straight when dispensing inoculant).
3. Adjust flow valve to match output of grain auger. (*See table below*).
4. To ensure adequate mixing of seed and inoculant it is recommended to run auger at 50% capacity.
5. Assess the application rate several times during inoculation to ensure correct target flow rate.

Plant all treated seed as soon as possible, and within a maximum of 24 hours following inoculation.

| <i>Flow valve Setting</i> | <i>Inoculant Flow Rate</i> | | <i>Seed/ Auger Flow Rate</i> | | |
|-------------------------------|----------------------------|------------------|------------------------------|----------------|---------------------------------------|
| | <i>mL/min</i> | <i>Fl oz/min</i> | <i>Kg/min</i> | <i>Lbs/min</i> | <i>Approx Bu (50lb units) min</i> |
| 1 | 360 | 12 | 131 | 286 | 5(6) |
| 2 | 860 | 29 | 313 | 690 | 11(14) |
| 3 | 1340 | 45 | 487 | 1071 | 18(21) |
| 4 | 1660 | 56 | 604 | 1333 | 22(27) |
| 5 | 1780 | 60 | 647 | 1428 | 24(28) |
| 6 | 2030 | 68 | 738 | 1619 | 27(32) |

STORAGE/PRECAUTIONS

Store below 20°C (70°F). Do not allow product to freeze. Ensure that inoculant is stored correctly in the field prior to use. Once opened, use within 24 hours. Plant seed as soon as possible after inoculation and within the maximum stated period above. Do not use inoculant that is past its expiry date or that has not been correctly stored. Unless otherwise directed, do not mix inoculant with caustic fertilizers or pesticides. If soils are especially dry at planting, any risk of damage to the inoculant can be minimized through light irrigation. Under adverse or stress planting conditions (hot, dry field conditions) it is suggested to increase the inoculant application rate.

SEED TREATMENT COMPATIBILITY

Some seed treatments are harmful to liquid inoculants. Contact your dealer/manufacturer for current details. Please observe planting window recommendations for optimal responses.

IN-FURROW APPLICATION TABLE

The concentrate must be diluted with cool, clean water and applied as indicated in the table below. Use the table to estimate application volumes for individual row widths.

| Row Width | Recommended Concentrate Application Rate* | 1 Concentrate Unit Treats |
|-------------|---|---------------------------|
| 38 cm (15") | 2560 mL/ha (35 fl. oz./ acre) | 1.2 ha (3 acres) |
| 51 cm (20") | 1900 mL/ha (26 fl. oz./ acre) | 1.6 ha (4 acres) |
| 76 cm (30") | 1240 mL/ha (17 fl. oz./ acre) | 2.5 ha (6 acres) |
| 91 cm (36") | 1100 mL/ha (15 fl. oz./ acre) | 2.8 ha (7 acres) |

METRIC/US CUSTOMARY MEASUREMENTS (0.82 U.S. GALLON = 105 Fl. Oz = 3.11 litres

*The concentrate liquid should be diluted with water and applied at 45-90 litres per hectare (5-10 U.S. gallons/acre) for low-volume sprayers, or 90-180 litres per hectare (10-20 U.S. gallons/acre) for larger sprayers. For a known row width, ensure the equipment is calibrated to deliver the correct application volume (29 mL liquid concentrate/304 metres of row or 1.0 fl. oz. per 1000 linear row feet).

IN-FURROW APPLICATION

A. Clean. Ensure that the liquid application machinery is fully flushed of chemical residues before adding inoculant to spray tanks.

B. Configure. Configure the sprayer for in-furrow application. Select and install an appropriate flow regulator (orifice) disk in order to achieve a constant, uninterrupted stream of liquid into the furrow. Carefully adjust the position and flow of the liquid inoculant so that it falls directly onto the seed surface prior to covering in the furrow. Product efficacy may be limited if the inoculant is either applied above, or to the side of the seed in the furrow.

C. Mix. Prior to use, shake the product well in order to re-suspend any settled out components. Do not open the unit until required. Pour the complete contents into the spray tank. Adjust the volume of the spray tank to the required level using cool, dechlorinated water (*See In-Furrow Application Table*). Ensure that the inoculant is thoroughly mixed prior to use. To avoid any settling out of the nitrogen-fixing bacteria, ensure that the spray tank volume is periodically agitated. The diluted inoculant must be used within 24 hours. Do not allow diluted tank mix to exceed 25°C (80°F).

D. Select rate. The application rate per acre will vary according to row width. For guidance regarding specific application details and treatable areas (*See In-Furrow Application Table*).

NOTICE-READ CAREFULLY CONDITIONS FOR SALE

United Agri Products Canada Inc. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of the product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of United Agri Products Canada Inc. In no case shall United Agri Products Canada Inc. be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. Except or expressly provided herein, United Agri Products Canada Inc. makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. Buyer's or user's exclusive remedy, and United Agri Products Canada Inc. total liability, shall be for damages not exceeding the cost of the product.