

Patrol® II Liquid

SOYBEAN INOCULANT

Patrol II is a soybean inoculant especially formulated for both on seed and in-furrow applications.

GUARANTEE: A minimum of 2×10^9 viable cells of *Bradyrhizobium japonicum* per gram.

GROUP: Seed Inoculant.

CROPS: Soybean.

BENEFIT: To promote nitrogen fixing nodules in soybean crops.

RATE: Planter box application – 125 mL/45.45 kg seed (4.2 fl. oz./ 2 X 50 lb seed units or 5 fl oz/ 2 bushels). One 3.1 kg container is sufficient to treat 1136 kg (2500 lbs/ 50x50 lb units) of seed or in - furrow treatment.

BULK SEED APPLICATION:

Inoculant Flow Rate			Seed/Auger Flow Rate		
Flow Valve Setting	mL/min	Fl oz/min	Kg/min	Lbs/min	Approx Bu (50lb units)/min
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)

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 above).
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.

In-furrow application table:

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

Row Width	Recommended Concentration 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)

1. Ensure sprayer is clean of any chemical residue before adding inoculant to tank.
2. Configure the sprayer for in-furrow application.
3. Mix – shake product well to re-suspend settled out components. Agitate occasionally; use within 24 hours if mixing. Do not allow tank mix to exceed 25°C (80°F).
4. Select rate – based on row width, see table above.



ALWAYS READ THE LABEL BEFORE USE

WATER VOLUME: For in-furrow applications the concentrate liquid should be diluted with water and applied at 45-90 L/ha (5-10 US gallons/acre) for low-volume sprayers, or 90-180 L/ha (10-20 US 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 meters of row, or 1.0 fl. oz. per 1000 linear row feet).

TIMING: Treat seed within 24 hours of planting. Plant seed as soon as possible after treatment and within a maximum of 24 hours following inoculation.

PRE-HARVEST INTERVAL: N/A

CAUTIONS: Once open, use within 24 hours. Do not use inoculant that is past its expiry period or that has not been correctly stored. Do not mix with caustic fertilizers or pesticides. If soils are especially dry, a light irrigation may reduce the damage to the inoculant. Under adverse conditions (hot, dry, field conditions) it is suggested to increase the inoculant application rate. Some seed treatments are harmful to liquid inoculants – consult your local dealer.

PACKAGE SIZE: 3.1 kg (3.11 L / 0.82 US gallons)

RE-ENTRY TIME: N/A

STORAGE: Store below 20° C (70°F). Do not allow product to freeze. Ensure product is stored correctly in the field prior to use.

ADDITIONAL: Always shake product well before use.

RAINFEST: N/A



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