



BioWorks®
How You Grow Matters™



Use in Rockwool Systems

FORMULATIONS

RootShield® contains the beneficial fungus *Trichoderma harzianum* strain T-22.

PREPARATION OF SOLUTION

Add the required amount of RootShield® WP to water, and periodically stir the suspension during use. It is important to remove filters with a mesh width smaller than 75 microns (= 200 mesh) before application to prevent blockage of the filters.

APPLICATION AND DOSE

Use sufficient solution to guarantee good penetration of the growing medium, but avoid run-off and excess drainage. For reference (approximate values); one (1) teaspoon of RootShield WP weighs 2 grams (0.07 oz) and one (1) teaspoon of RootShield® Granules weighs 3.5 grams (0.12 oz).

RE-APPLICATION AND DOSE

RootShield WP should be re-applied every 6-8 weeks, at half the rate mentioned above.

PROPAGATION STAGE: apply 1.5 grams (0.05 oz) of RootShield WP per m² (10 ft²) of cultivated area (suspended in 2.5 – 5 liters of water; 0.7 – 1.3 gallons) immediately after sowing or planting cuttings (non-rooted or rooted).

CULTIVATION STAGE: apply RootShield WP directly after planting, at a dose of 3.0 (0.10 oz) grams per m² (10 ft²) of growing area (suspended in 10 liters of water; 2.6 gallons) or 30 grams (1.0 oz) per 1,000 pots (suspended in 100 liters of water; 26 gallons). Apply RootShield WP at half dose (1.5 grams per m² or 15 grams per 1,000 pots) if plants were treated during the propagation stage. Repeat the treatment with RootShield WP every 6-8 weeks, also using half the dose.

DRY APPLICATIONS DIRECTLY TO ROCKWOOL BLOCKS OR SLABS

There are several ways to make applications to rockwool blocks, according to rockwool growers.

- Apply RootShield WP dry @ 45 mg (0.002 oz) to each hole prior to placing the cube onto the hole, or
- Apply RootShield Granules @ 500 mg (0.02 oz) per hole, or
- Apply RootShield Granules @ 500 mg (0.02 oz) between cube and slab.

For compatibility with fertilizers and pesticides, please see the [Compatibility Chart](#) available on BioWorks website.