



BioWorks[®]
DIVISION OF BIOFIRST GROUP



ABOVE AND BEYOND IS WHERE WE BEGIN



ROOTSHIELD[®] G



RootShield Granules (G) is more than your typical biofungicide. RootShield G helps roots grow faster and stronger – enabling your crops to fight off a broad range of diseases under a wide range of conditions.

RootShield grows in soils and on roots, shielding them against root damaging fungi, promoting healthier roots and increasing root mass potential. It provides preventative control of major root rot and damping off diseases, including soilborne *Pythium*, *Fusarium*, *Rhizoctonia*, *Cylindrocladium*, and *Thielaviopsis*, controlling disease for up to 12 weeks. Multiple modes of action make it an ideal tool for fungicide resistance management. RootShield Granules can be used alone or as part of an IPM program.



ROOTSHIELD G SHIELDS ROOTS FROM DEADLY PATHOGENS, WHILE IMPROVING OVERALL PLANT HEALTH, RESULTING IN HIGHER-QUALITY CROPS.

ACTIVE INGREDIENTS

Trichoderma harzianum T-22 strain

FEATURES AND BENEFITS

- + Delivers faster and stronger root development
- + Promotes more root hair growth to increase water and nutrient uptake
- + Helps plants resist/overcome drought stress and transplant shock
- + Extensively tested for compatibility with other fungicides, fertilizers, algacides, insecticides, disinfectants, miticides, herbicides, and growth regulators
- + Ideal for most plant health management programs

WHERE TO USE

RootShield G is for use in greenhouse and outdoor nursery crops and Cannabis produced commercially indoors to prevent root diseases like damping-off, root rot, crown rot, and wilt caused by species of *Pythium*, *Fusarium*, *Rhizoctonia*, and other soilborne pathogens. for up to 12 weeks.

ROOTSHIELD G FORMULATION

RootShield G is a granular (G) formulation that can be pre-incorporated into growing mixes and nursery beds.



ROOTSHIELD G

PRODUCT INFORMATION

- + Available Sizes: 18 kg, 227 kg & 453 kg
- + Reg. No. 27116
- + MPS Code: 3785/White

REI & PHI

- + No REI, 0-day PHI

SHELF LIFE

- + Below 0 °C: 12 months
- + Refrigerated below 4.5 °C: 12 months
- + Room temp 25 °C: 6 months
- + Above 25 °C: 2 months or less

SHELF LIFE WHEN INCORPORATED INTO GROWING MEDIA

- + Frozen 0 °C: 3 months
- + Refrigerated below 4.5 °C: 5 months
- + Room temp 25 °C: 5 months
- + Above 25 °C: 2 months or less

APPLICATION NOTES

- + Thoroughly incorporate RootShield Granules during mix preparation or pot filling, or incorporate into planting beds by raking or tilling
- + RootShield Granules is compatible with many soils and soilless media including peat-, bark- and coir-based mixes, as well as substrates used in hydroponic growing

APPLICATION RATES: BLEND RATES

- + The general application rate is 750 grams/m³ of growing media
- + Small volumes blend 22.5grams/30L soil media
- + Large volume blend rates are approximately three-18 kg bags per truckload of mix (75 m³)
- + If you prefer large-volume custom blending with your media, contact your mix company

GOING ABOVE AND BEYOND

At BioWorks, we not only help eradicate harmful diseases and pests that threaten your crops, but we design and support integrated plant health management programs. And because we know how quickly some diseases can work, we respond to any questions you might have in just 48 hours. So you can get back to the business of successful growing.



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