



BioWorks®

..... phone: (800) 877-9443

..... email: expert@bioworksinc.com

..... www.bioworksinc.com

RootShield® PLUS⁺ Granules

RootShield PLUS⁺ G is an organic biological fungicide with dual active ingredients that prevent a broad spectrum of root diseases and promote healthy root systems.

Active Ingredients: *Trichoderma harzianum* strain T-22
Trichoderma virens strain G-41

Benefits & Features

- RootShield PLUS⁺ G is OMRI Listed.
- Grows in soil and on roots, shields roots from pathogens
- Seeks out, attacks and eats fungal pathogens
- Induces host resistance
- Active over wide temperature range (48-97 °F / 9-36 °C)
- Grows in wide pH range (pH 4-8)
- Compatible with many chemical and biological inputs
- Well suited to a wide range of soil types
- Enhances nutrient uptake
- Helps plants resist/overcome abiotic stresses and transplant shock
- Excellent tool for fungicide resistance management
- Does not interfere with beneficial insects
- Exempt from residue tolerance

SUSTAINABLE. SIMPLE. SUPPORT.

For 25 years, BioWorks has been helping our customers to develop effective and efficient programs using safer, sustainable products - backed by a personalized approach to support.

At BioWorks, we strive to simplify the use of biologicals with our ongoing commitment to information, education, and service.



DISEASE CONTROL

RootShield PLUS⁺ G provides preventative control of major root diseases including soilborne *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, *Cylindrocladium*, and *Thielaviopsis species*. RootShield PLUS⁺ G controls disease for up to 12 weeks.



HEALTHY ROOTS

RootShield PLUS⁺ G grows in soils and on roots shielding them against root damaging fungi, promoting a healthier roots and increasing root mass potential.



MULTIPLE MODES OF ACTION

With dual active ingredients, RootShield PLUS⁺ G prevents a greater spectrum of root diseases.



AN ORGANIC BIOFUNGICIDE WITH DUAL ACTIVE INGREDIENTS TO CONTROL ROOT DISEASES



PRODUCT INFORMATION

- *Trichoderma harzianum* strain T-22
- *Trichoderma virens* strain G-41
- Available Sizes: 10 lb, 40 lb, 500 lb & 1,000 lb bulk bags
- Registered for use in the USA except AK

REI & PHI

- 0-hour REI, 0-day PHI

SHELF LIFE

Below 32 °F (0 °C):	14 months
Refrigerated (40 °F / 4 °C):	12 months
70 - 75 °F (21-24 °C):	6 months
Above 75 °F (24 °C):	2 months or less



For use on greenhouse and nursery ornamentals, vegetables herbs and fruits

EPA registered: Reg. No. 68539-10

Est. No. 68539-NY-001

US Patent Approved: 9,681,668

MPS Code: 3758/White



APPLICATION NOTES

BLEND RATES

- If you prefer large-volume custom blending with your media, contact your mix company.
- Large volume blend rates are 1-3 lb per yd³ of mix, or a minimum of three-40 lb bags per truckload of mix (100 yd³).
- The shelf life of RootShield PLUS⁺ G when blended at 1.5 lb per yd³ is 12 weeks at 5 °F (-15 °C), 20 weeks at 40-77 °F (4-25 °C), and 8 weeks at 100 °F (39 °C).



APPLICATION RATES

- In-furrow: Typically 2.5-6 lb/half acre
Use a metering device to deliver RootShield PLUS⁺ G into the planting furrow.
- Planting Mix: Typically 3-6 lb/yd³ soil mix
Typically 3-5.5 Tbsp (25-50 g) per ft³ for small volumes
- Nursery Bed: Typically 0.5-7.5 lb/1,000 sq ft bed.
Incorporate with rake or tiller.
- Trees & Shrubs: Typically 0.2-8 oz/transplant hole and incorporate.

RootShield PLUS⁺ G is compatible with all soils and all soilless media including peat-, bark-, and coir-based mixes, as well as substrates used in hydroponic growing.

TECHNICAL SUPPORT

If you are a commercial grower with questions or if you want to discuss a particular issue, contact us.

Our team is ready to discuss your crop-specific issues or any questions you have about our products. We will provide you with rapid, comprehensive and personalized support.

(800) 877-9443 or expert@bioworksinc.com

ROOT ASSAYS

Root assays are available to test for presence and relative levels of *Trichoderma* on plants in commercial production.

Download the [sampling-procedure-form.pdf](#) from our website, complete and mail-in with your samples.

Please notify us prior to sending samples.

(800) 877-9443 or lab2@bioworksinc.com