



RootShield® PLUS⁺ Granules

RootShield PLUS⁺ Granules 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

- 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 a broad pH range (pH 4-8)
- Well suited to a variety of soil types
- Enhances nutrient uptake
- Helps plants resist/overcome abiotic stresses and transplant shock
- Excellent tool for fungicide resistance management
- Compatible with many chemical and biological inputs
- Compatible with BCAs
- 0-day PHI with no MRL

SUSTAINABLE. SIMPLE. SUPPORT.

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



HEALTHY ROOTS

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



MULTIPLE MODES OF ACTION

With dual active ingredients, RootShield PLUS⁺ Granules 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 and *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
- 4-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**

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

BLEND RATES

- Large volume blend rates are 1-3 lb/yd³ of mix, or a minimum of three 40 lb bags per truckload of mix (100 yds³).
- If you prefer large-volume custom blending with your media, contact your mix company.
- The shelf life of RootShield PLUS⁺ Granules when blended at 1.5 lb/yd³ is 3 months at below 32 °F, 5 months at 40 °F, 5 months at 70-75 °F, and 2 months or less at above 75 °F.

 **APPLICATION RATES**

- In-furrow: Typically 2.5-6 lb/half acre
Use a metering device to deliver RootShield PLUS⁺ Granules into the planting furrow.
- Planting Mix: Typically 1-3 lb/yd³ soil mix
Typically 3-5.5 Tbsp (25-50 g)/ft³ of 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

TECHNICAL SUPPORT

If you are a commercial grower with a question 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

THE STRAIN GAME

Not all biological strains are created equal. Strains from the same species can vary greatly in overall effectiveness. RootShield PLUS⁺ *Trichoderma* strains T-22 and G-41 were selected from thousands for their exceptional ability to control a broad spectrum of soil-borne diseases under a wide range of conditions.