

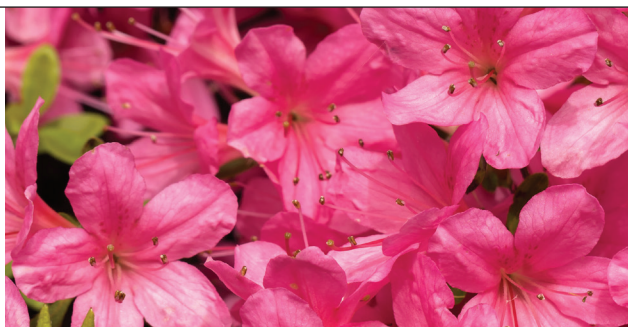


BioWorks®



ABOVE AND BEYOND IS WHERE WE BEGIN

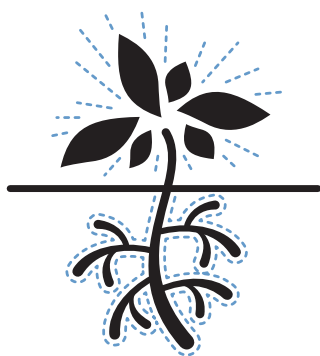
## ROOTSHIELD® PLUS<sup>+</sup>



RootShield *PLUS*<sup>+</sup> is an organic biological fungicide that shields roots from a broad spectrum of diseases under a wider range of conditions. Featuring a patented combination of *Trichoderma* strains, RootShield *PLUS*<sup>+</sup> is available as a Wettable Powder (WP) and as Granules (G) to help roots grow faster and stronger.

### DISEASE CONTROL

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



ROOTSHIELD *PLUS*<sup>+</sup> IS AN ORGANIC BIOLOGICAL FUNGICIDE WITH DUAL ACTIVE INGREDIENTS THAT PREVENTS A BROAD SPECTRUM OF ROOT DISEASES AND PROMOTES A HEALTHY ROOT SYSTEM.



### ACTIVE INGREDIENTS

- + *Trichoderma harzianum* T-22 strain
- + *Trichoderma virens* G-41 strain

### FEATURES AND BENEFITS

- + Delivers faster and stronger root development
- + Promotes more root hair growth to increase water and nutrient uptake
- + Protects against heat and drought stress, as well as transplant shock
- + Improves germination and plant health, resulting in more marketable plants
- + Extensively tested for compatibility with other fertilizers, algacides, insecticides, disinfectants, miticides, herbicides, growth regulators, and fungicides
- + Ideal for most plant health management programs

### APPLICATION RATES

#### ROOTSHIELD *PLUS*<sup>+</sup> WP

- + Media drench: 3-8 oz /100 gal
- + Unrooted or bare root Dips: 0.25lbs – 1.5lb/20 gal

#### ROOTSHIELD *PLUS*<sup>+</sup> G

- + Media Incorporated: 1-3lb / cubic yard

### PRODUCT INFORMATION

#### REI & PHI

- + 4-hour REI, 0-day PHI

#### SHELF LIFE

- + Below 32° F (0° C): 12 months
- + Refrigerated 40° F (4° C): 10 months
- + 70 - 75° F (21-24° C): 4 months
- + Above 75° F (24° C): 1 month or less



## ROOTSHIELD® PLUS<sup>+</sup>

### TRIAL DATA

#### IMPROVE SEED GERMINATION

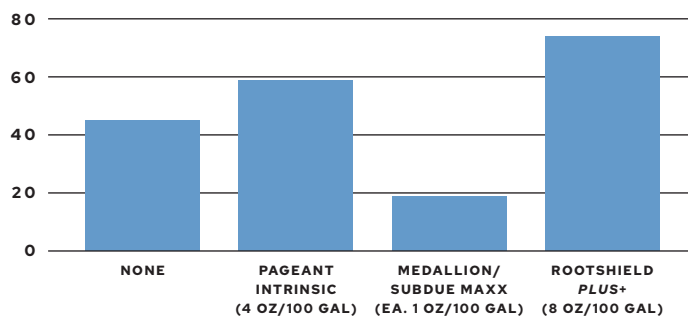
##### RANUNCULUS SEED

- + Products applied as a srench at seeding
- + Pageant Intrinsic applied again 14 days later

##### CONCLUSIONS

- + Highest germination/growth with RootShield PLUS<sup>+</sup> applied at seeding
- + Better results than Pageant Intrinsic
- + Lowest growth with fungicide standard treatment

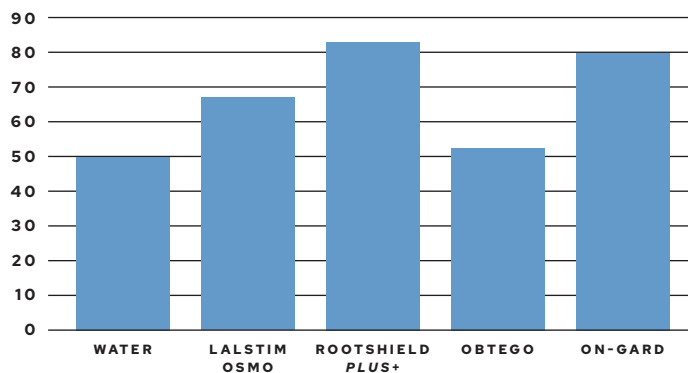
#### TREATMENTS



#### IMPROVE SURVIVAL AFTER TRANSPLANT

- + Trial conditions very stressful (dry, hot days to cool/cold nights)
- + Best treatments for top quality were RootShield PLUS<sup>+</sup> and ON-Gard®
- + All other treatments did not promote plant growth over the water control

#### MEAN % SURVIVAL



#### INCREASE ROOT GROWTH

- + RootShield PLUS<sup>+</sup> WP grows in soils and on roots, shielding them against root damaging fungi, promoting healthier roots and increasing root mass potential.



**BioWorks®**

#### BIOWORKS

100 Rawson Road • Suite 205

Victor, NY 14564

[expert@bioworks.com](mailto:expert@bioworks.com)

[bioworksinc.com](http://bioworksinc.com) • 800.877.9443