



BioWorks®
How You Grow Matters™



Applications in Transplant Crop Production

RootShield® Technical Bulletin

Purpose

Best Method of Application

Application to greenhouse seedlings for transplant plugs

Pre-blend RootShield® Granules into germination or plug soil mix at 1.25 – 1.5 lbs. product/cubic yard, or apply RootShield® WP at seeding at a rate of 3-5 oz/100 gallons water to 800 sq. ft. of plug trays. A second application of RootShield WP (at 1-3 oz/100 gallons water) 3 days prior to transplanting in the field will increase the concentration of the beneficial organism on the roots for added protection in the field.

Application to field-grown seed beds for bare-root transplants

T-22 HC seed treatment may be applied directly to seed at planting at a rate of 6-8 oz/cwt, or with an in-furrow application of RootShield Granules at 3 – 10 lbs./acre. In-furrow sprays of PlantShield HC may be applied at 16-32 oz/acre at seeding.

Application in transplant water at planting

For best results, an application of RootShield in the greenhouse at seeding should be made to transplant plugs. To increase concentrations of the beneficial fungus on the transplant roots, mix RootShield WP at a rate of 3-5 oz per 100 gallons of water – this may be tank-mixed with starter fertilizer solutions. Agitation will ensure uniform application.

Use on bare rooted transplants

Dip transplants directly into RootShield WP dry powder or dip into a suspension of 0.5 lb. RootShield WP in 5 gallons of water. Plant treated crops in usual manner.