



BioWorks®



ABOVE AND BEYOND IS WHERE WE BEGIN



ROOTSHIELD® HC

CANADA



RootShield HC Biological Fungicide is a multi-purpose biofungicide for greenhouse and field crops, including ornamentals, vegetables, fruits, hops, ginseng, Cannabis and hemp. It is approved for use in organic production.

As a foliar spray, apply RootShield HC preventatively to suppress *Botrytis* blight. As a soil drench, apply just prior to planting, at sowing or at transplanting. The *Trichoderma* spores will germinate in the soil and grow onto plant roots as they develop to shield them from *Pythium*, *Rhizoctonia* and *Fusarium* for up to 12 weeks.



ROOTSHIELD HC SUPPRESSES *BOTRYTIS* ON FOLIAGE, AND PROTECTS ROOTS FROM SOIL BORNE DISEASES WHICH RESULTS IN HEALTHIER CROPS AND IMPROVED YIELD. IDEAL FOR MOST PLANT HEALTH MANAGEMENT PROGRAMS.

ACTIVE INGREDIENT

Trichoderma harzianum T-22 strain

FEATURES AND BENEFITS

Applied as a foliar spray

- + Effective suppression of *Botrytis cinerea*; apply when conditions favour disease, before an outbreak

Applied to seeds or transplants and in planting mix or soil:

- + Protects roots from *Pythium*, *Rhizoctonia* & *Fusarium* for up to 12 weeks
- + Stimulates root development and promotes more root hair growth to increase water and nutrient uptake
- + Helps plants resist/overcome abiotic stresses and transplant shock
- + Improves overall plant health, resulting in more marketable plants
- + Extensively tested for compatibility with other fungicides, fertilizers, algaecides, insecticides, disinfectants, miticides, herbicides, and growth regulators

WHERE TO USE

Foliar or Drench:

- + Greenhouse ornamentals
- + Nursery crops
- + Field grown Cannabis and hemp, Cannabis produced commercially indoors
- + Greenhouse vegetables (tomatoes, peppers, cucumbers, lettuce, etc.)
- + Greenhouse vegetable and herb transplants
- + Ginseng, Asian water spinach

Foliar only:

- + Field grown vegetables (Cucurbits, fruiting vegetables, lettuce)
- + Strawberry (greenhouse and field)
- + Bushberries (blueberries, etc.)

Other:

- + Hops - drench only
- + Seed treatment: pea, Lima bean, bean, lentil, soybean

See label for details.



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PRODUCT INFORMATION

- + Available Sizes: 1.36 kg and 13.6 kg
- + Registered for use in Canada
- + PMRA approved: Reg. No. 27115

REI & PHI

- + 4-hour REI, 0-day PHI

SHELF LIFE

- + Frozen below 0° C: 12 months
- + Refrigerated 4.5° C: 12 months
- + Room temp 25° C: 4 months
- + Above 25° C: 1 month or less

APPLICATION NOTES

- + RootShield HC wettable powder can be applied as a foliar spray, drench, preplant dip or seed treatment
- + For foliar sprays and some other application methods, decanting may be required after suspending spores into water; for more details see: [Decanting Procedure](#)
- + Suspend RootShield HC in sufficient water with agitation
- + Constant agitation in a stock tank is required to maintain suspension
- + Can be applied through low pressure watering nozzles or other watering systems
- + When using a fertilizer injector to drench, keep the injector pick-up tube screen at least 1-2 inches from the bottom of the tank
- + Do not use with low volume sprayers (foggers, electrostatic sprayers)
- + Spray to wet, but avoid run-off

APPLICATION RATES

- + Cannabis/hemp foliar spray: 3.75-10 g/L
- + Vegetable transplants/Strawberry/Lettuce/Bushberry foliar spray: 10 g/L
- + Vegetable/ornamental foliar spray: 3.75-7.5 g/L
- + Drench to potting mix or soil: 30-45 g/100 L

Tank Mixing: RootShield HC can be tank mixed and is compatible with many common fungicides, liquid fertilizers, herbicides, insecticides and biological control products. Consult the [BioWorks Compatibility Tool](#) for more information.

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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BIOWORKS

100 Rawson Road • Suite 205

Victor, NY 14564

expert@bioworksinc.com

bioworksinc.com • 800.877.9443