



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 21, 2021

Michael Cordaro
Regulatory Manager
BioWorks, Inc. (d/b/a BioWorks)
100 Rawson Rd., Ste. 205
Victor, NY 14564

Subject: Pesticide Registration Improvement Act (PRIA) Labeling Amendment – Addition of the crop hemp along with general label updates and corrections, including those requested by the EPA
Product Name: Rootshield WP Biological Fungicide
EPA Registration Number: 68539-7
Application Date: 01/29/2019
OPP Decision Number: 558005

Dear Mr. Cordaro:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 § CFR 152.3.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims

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made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Daniel Schoeff of my team by phone at (703) 347-0143 or via email at schoeff.daniel@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Alexandra Boukedes".

Alexandra Boukedes, Risk Manager
Microbial Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

[Text in brackets [] indicates optional language or language intended for explanatory purposes to facilitate label review. Thus, this language will often not appear on final printed labeling. Also, pages 2 and 20 are for clarifying and delineating sub-labels and will not appear on final printed labeling.]

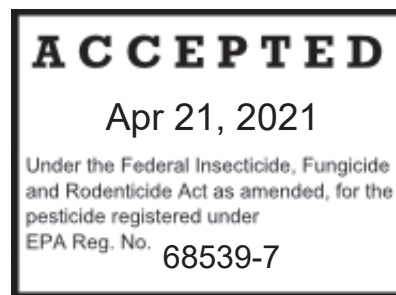
RootShield® WP

Biological Fungicide

[Optional Marketing Claim: Wettable Powder Formulation]

Sub-Label A: Agricultural/Commercial Use

Sub-Label B: Residential Use (Home and Garden Use)



ACTIVE INGREDIENT:

Trichoderma harzianum Rifai strain T-22* 1.15%

OTHER INGREDIENTS: 98.85%

TOTAL..... 100.00%

*Contains at least 1.0×10^7 colony forming units per gram of product.

KEEP OUT OF REACH OF CHILDREN
CAUTION

EPA Reg. No.: 68539-7
EPA Est. No.: 68539-NY-001

Manufactured by: BioWorks, Inc., 100 Rawson Road, Ste. 205, Victor, NY 14564 (800) 877-9443
www.bioworksinc.com

Net (Contents)/(Weight): _____

Lot No.: _____

Expiration Date: _____

ROOTSHIELD® WP
BIOLOGICAL FUNGICIDE
SUB-LABEL A
For Agricultural/Commercial Use

RootShield® WP Biological Fungicide

[ For Organic Production][ For Use in Organic Production][ Can be used in organic production][ For Organic Lawn Care] [ For Use in Organic Lawn Care][ Can be used in organic lawn care]



[Optional Marketing Claim: Wettable Powder Formulation]

ACTIVE INGREDIENT:

Trichoderma harzianum Rifai strain T-22* 1.15%

OTHER INGREDIENTS: 98.85%

TOTAL..... 100.00%

*Contains at least 1.0×10^7 colony forming units per gram of product.

KEEP OUT OF REACH OF CHILDREN
CAUTION

[See attached label booklet for First Aid, Precautionary Statements, Storage and Disposal Instructions and Directions for Use]

[See foldout panel for First Aid]

[See foldout panel for Directions for Use]

EPA Reg. No.: 68539-7
EPA Est. No.: 68539-NY-001

Manufactured by: BioWorks, Inc., 100 Rawson Road, Ste. 205, Victor, NY 14564 (800) 877-9443
www.bioworksinc.com

Net (Contents)/(Weight): _____

Lot No.: _____

Not for Sale or Use After: [Date stamped/placed on label will be 10 months after the date of manufacture]

FIRST AID	
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 – 20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
<p>HOTLINE NUMBER: Have the product container or label with you when calling a poison control center or doctor or going for treatment. For general information on this product, contact the National Pesticide Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 a.m. to 12 p.m. Pacific Time, or at http://npic.orst.edu. For medical emergencies, call your poison control center at 1-800-222-1222.</p>	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin, inhaled, or swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Protective eyewear
- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes and socks

Mixers/loaders and applicators must wear a NIOSH-approved particulate filter with any N, R, or P filter with NIOSH approval number prefix TC-84A; or a NIOSH-approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS: For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water) is:

- Protective eyewear
- Coveralls
- Chemical-resistant gloves (made of any waterproof material)
- Shoes plus socks

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are **not** within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried or dusts have settled.

PRODUCT INFORMATION

RootShield® WP Biological Fungicide is a preventative biological fungicide for control of plant diseases. The active ingredient is a microbe, *Trichoderma harzianum* Strain T-22 (KRL-AG2), that when applied to seeds, transplants or other propagative material, or to soil or planting mixes, grows onto plant roots as they develop and provides protection against plant root pathogens such as *Pythium*, *Rhizoctonia*, *Fusarium*, *Cylindrocladium* and *Thielaviopsis*. RootShield® WP Biological Fungicide can be used alone or in conjunction with certain chemical fungicides. **This product must not be tank mixed with chemicals that contain the following active ingredients: benomyl, imazalil, propiconazole, tebuconazole, and triflumizole.** Do not apply RootShield® WP Biological Fungicide immediately before these pesticides are used. **See specific instructions for tank mixing.** Where early season seed rot and seedling diseases are expected, use chemically treated seed or other appropriate measures for stand establishment and RootShield® WP Biological Fungicide for root disease control.

Note: RootShield® WP Biological Fungicide contains live spores of a microbe that must be used prior to disease onset. RootShield® WP Biological Fungicide becomes active in soil or on roots of plants when temperatures are above 50°F and is not effective while temperatures remain cold. RootShield® WP Biological Fungicide can be applied to sterilized or fumigated soil but must be applied after sterilization or fumigation.

This biological fungicide is for use in soil applications (drench, in soil furrow, and potting soil), and seed treatments for all listed crops (except those mentioned below**).

USE RESTRICTIONS

****ATTENTION: DO NOT APPLY to sugarcane, pechay (bok choy), rice, mushrooms, kiwi, barley, oats, lemon, apple, and chickpea. Not for use on aquatic crops.**

APPLICATION INSTRUCTIONS

APPLY VIA GROUND APPLICATION ONLY.

CROPS ON WHICH ROOTSHIELD® WP BIOLOGICAL FUNGICIDE MAY BE USED:

CROP	USE	APPLICATION RATE OF ROOTSHIELD® WP BIOLOGICAL FUNGICIDE
Nongrass Animal Alfalfa Hay and Forage Crops, including: Alfalfa, Clover, Vetch, Trefoil	Planter Box (on-site) Commercial seed treatment	1.0 – 10.0 oz/cwt seed 0.00035 – 26.43 lb/cwt seed

Berries and Small Fruits, including: Blackberries, Blueberries, Currants, Elderberries, Gooseberries, Huckleberries, Loganberries, Raspberries, Strawberries, Grapes **Refer to excluded crops above table	Cuttings/bare root Greenhouse drench Nursery drench In-furrow spray Transplant starter solution *Greenhouse chemigation *Field chemigation	0.25 – 1.5 lb/20 gal or dip into dry powder 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/100 gal
Brassica (Cole) Leafy Vegetables, including: Arugula, Celery, Chervil, Endive, Fennel, Lettuce (head and leaf), Parsley, Radicchio, Rhubarb, Spinach, Swiss Chard, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Kale, Kohlrabi, Mustard Greens, Asparagus **Refer to excluded crops above table	Cuttings or bare-roots Commercial seed treatment Greenhouse drench In-furrow spray Transplant starter solution *Greenhouse Chemigation *Field chemigation	0.25 – 1.5 lb/20 gal or dip into dry powder 0.00035 – 26.43 lb/cwt seed 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/100 gal
Bulb Vegetables, including: Garlic, Leeks, Onions, Shallots, Ornamental Bulbs	Dust (pre-plant)	0.03 – 3.0 lb/cwt seed
Cereal Grains, including: Rye, Wheat, Sorghum, Millet Buckwheat, Corn (grain, seed, sweet corn, silage, popcorn, high oil) **Refer to excluded crops above table	Planter Box (Onsite) Commercial seed treatment *Field chemigation	1.0 – 10.0 oz/cwt seed 0.00035 – 26.43 lb/cwt seed 1.0 – 32.0 oz / 100 gal
Citrus Fruits, including: Citrus hybrids, Grapefruit, Kumquat, Limes, Oranges, Pummelos **Refer to excluded crops above the tables	Cuttings or bare-roots Greenhouse drench Nursery drench In-furrow spray Transplant starter solution *Greenhouse chemigation *Field chemigation	0.25 – 1.5 lb/20 gal or dip into dry powder 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz /100 gal 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/100 gal

*Not For Use in California

CROP	USE	APPLICATION RATE OF ROOTSHIELD® WP BIOLOGICAL FUNGICIDE
Cucurbit Vegetables, including: Cucumbers, Melons (e.g., Chinese Waxgourd, Citron Melon, Muskmelons, or Watermelon), Gourds, Pumpkins, Squash	Planter Box (on-site)	1.0 – 10.0 oz/cwt seed
	Commercial seed treatment	0.00035 – 26.43 lb/cwt seed
	Greenhouse drench	1.0 – 32.0 oz/100 gal
	In-furrow spray	1.0 – 32.0 oz/acre
	Transplant starter solution	1.0 – 32.0 oz/acre
	*Greenhouse chemigation	1.0 – 32.0 oz/100 gal
	*Field chemigation	1.0 – 32.0 oz/100 gal
Flowers, Bedding Plants, and Ornamentals	Cuttings or bare-roots	0.25 – 1.5 lb/20 gal or dip into dry powder
	Commercial seed treatment	0.088 – 17.62 lb/cwt seed
	Greenhouse drench	1.0 – 32.0 oz/100 gal
	Nursery drench	1.0 – 32.0 oz/100 gal
	*Greenhouse chemigation	1.0 – 32.0 oz/100 gal
	*Field chemigation	1.0 – 32.0 oz/100 gal
Fruiting Vegetables, including: Eggplant, Sweet and Hot Peppers, Tomatillos, Tomatoes	Commercial seed treatment	0.00035 – 26.43 lb/cwt seed
	Greenhouse drench	1.0 – 32.0 oz/100 gal
	In-furrow spray	1.0 – 32.0 oz/acre
	Transplant starter solution	1.0 – 32.0 oz/acre
	*Greenhouse chemigation	1.0 – 32.0 oz/100 gal
	*Field chemigation	1.0 – 32.0 oz/100 gal
Hemp[*]	Cutting or bare-rooted transplant dip	0.25 – 1.5 lb/20 gal water
	Commercial seed treatment	0.00035 – 26.43 lb/cwt seed
	Greenhouse drench	1.0 – 32.0 oz/100 gal water
	Nursery drench	1.0 – 32.0 oz/100 gal water
	In-furrow spray	1.0 – 32.0 oz/acre
	Transplant starter solution	1.0 – 32.0 oz/acre
	*Greenhouse chemigation	1.0 – 32.0 oz/100 gal water
	*Field chemigation	1.0 – 32.0 oz/100 gal water
Herbs and Spices Mints	Commercial seed treatment	0.00035 – 26.43 lb/cwt seed
	Greenhouse drench	1.0 – 32.0 oz/100 gal
	In-furrow spray	1.0 – 32.0 oz/acre
	Transplant starter solution	1.0 – 32.0 oz/acre
	*Greenhouse chemigation	1.0 – 32.0 oz/100 gal
	*Field chemigation	1.0 – 32.0 oz/100 gal

*Not For Use in California

CROP	USE	APPLICATION RATE OF ROOTSHIELD® WP BIOLOGICAL FUNGICIDE
Legume Vegetable (Succulent or Dried), including: Snap and Dry Beans, Lentils, Succulent and Dry Peas, Soybeans **Refer to excluded crops above table	Planter Box (Onsite) Commercial seed treatment	1.0 – 10.0 oz/cwt seed 0.00035 – 26.43 lb/cwt seed
Oilseeds, including: Canola (Oilseed Rape), Cotton, Safflower, and Sunflower	Planter Box (on-site) Commercial seed treatment *Field chemigation	1.0 – 10.0 oz/cwt seed 0.00035 – 26.43 lb/cwt seed 1.0 – 32.0 oz/100 gal
Peanut	Planter Box (onsite) Commercial seed treatment	1.0 – 10.0 oz/cwt seed 0.00035 – 26.43 lb/cwt seed
Pome Fruit, including: Pears, Quince **Refer to excluded crops above the tables	Greenhouse drench Nursery drench In-furrow spray Transplant starter solution *Greenhouse chemigation *Field chemigation	1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/100 gal
Root and Tuber Vegetables, including: Beets, Sugar Beets, Carrots, Celeriac, Chicory, Horseradish, Parsnip, Radish, Rutabaga, Salsify, Turnips ----- Potatoes, Sweet Potatoes, Yams, Jerusalem Artichoke, Cassava, Ginger, Ginseng ¹	Planter Box (Onsite) Commercial seed treatment ----- Planter Box (Onsite) In-furrow spray Transplant starter solution *Field chemigation	1.0 – 10.0 oz/cwt seed 0.00035 – 26.43 lb/cwt seed ----- 0.03 – 3.0 oz / cwt seed 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/100 gal
Shadehouse and Outdoor Nursery Crops, including: Deciduous trees (Maple, Oak, etc.), Ornamentals, Grapes, Citrus, Pine	Cuttings or bare-roots Greenhouse drench Nursery drench In-furrow spray Transplant starter solution *Greenhouse chemigation *Field chemigation Planter Box (Onsite) Commercial seed treatment	0.25 – 1.5 lb/20 gal or dip into dry powder 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/100 gal 1.0 - 10.0 oz/cwt seed 0.00035 – 26.43 lb/cwt seed

¹Not For Use in California

CROP	USE	APPLICATION RATE OF ROOTSHIELD® WP BIOLOGICAL FUNGICIDE
Stone Fruit, including: Apricots, Cherries, Nectarines, Peaches, Plums, Prunes	Cuttings or bare-roots Greenhouse drench Nursery drench In-furrow spray Transplant starter solution *Greenhouse chemigation *Field chemigation	0.25 – 1.5 lb/20 gal or dip into dry powder 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/100 gal
Tobacco¹	Cutting or bare-rooted transplant dip Greenhouse drench Nursery drench In-furrow spray Transplant starter solution *Greenhouse chemigation *Field chemigation	0.25 – 1.5 lb/20 gal water 1.0 – 32.0 oz/100 gal water 1.0 – 32.0 oz/100 gal water 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/100 gal water 1.0 – 32.0 oz/100 gal water
Tree Nuts, including: Almonds, Beech Nuts, Brazil Nuts, Butternuts, Cashews, Chestnuts, Filberts, Hickory Nuts, Macadamia Nuts, Pecans, Pistachios, Walnuts	Greenhouse drench Nursery drench In-furrow spray Transplant starter solution *Greenhouse chemigation *Field chemigation	1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/100 gal 1.0 – 32.0 oz/100 gal
Tropical and Subtropical Fruit¹ Inedible Peel, including: Passionfruit, Banana, Plantain Edible Peel, including: Starfruit	Cutting or bare-rooted transplant dip Greenhouse soil drench Nursery drench In-furrow spray Transplant starter solution *Greenhouse chemigation *Field chemigation	1.0 – 3.0 lb/20 gal water or dip directly into dry powder 1.0 – 32.0 oz/100 gal water 1.0 – 32.0 oz /100 gal water 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/acre 1.0 – 32.0 oz/100 gal water 1.0 – 32.0 oz/100 gal water

¹Not For Use in California

CROP	USE	APPLICATION RATE OF ROOTSHIELD® WP BIOLOGICAL FUNGICIDE
Turfgrass, including: Turf, Sports Fields, Parks, Established and New Preparation of Golf Course Tees, Greens, Fairways and Roughs, Seed Production, Sod Production	Planter Box (Onsite) Commercial seed treatment	1.0 – 10.0 oz/cwt seed 0.088 – 17.62 lb/cwt seed

¹Not For Use in California

SEED TREATMENT FOR TRUE SEED CROPS

ONSITE APPLICATION TO SEED: RootShield® WP Biological Fungicide is applied to seeds at the rate of 1.0 – 10.0 ounces per hundredweight (oz/cwt) for protection against root diseases. To assure uniform application, add half the required amount of RootShield® WP Biological Fungicide to half the seed in the hopper, mix with a wooden paddle, and then add the remaining seed and RootShield® WP Biological Fungicide. RootShield® WP Biological Fungicide can be applied in sufficient water to coat seeds. For maximum seed protection, especially in cold soils, apply RootShield® WP Biological Fungicide to commercially treated seed for stand establishment.

Do not use treated seed for food or feed purposes or process for oil. Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting. Do not store excess treated seeds beyond planting time.

COMMERCIAL SEED TREATMENT: Apply RootShield® WP Biological Fungicide as a slurry, a coating, in a pellet, or during seed priming. User must add an EPA-approved dye, imparting an unnatural color to the seed, to RootShield® WP Biological Fungicide during the seed treatment process. This product is formulated at 1.0×10^9 CFU/gm and should be applied to deliver the recommended CFU/seed. See table below.

The Federal Seed Act requires that bags containing treated seed shall be labeled with the following information: “This seed has been treated with *Trichoderma harzianum* Rifai strain T-22. Do not use for food, feed or oil purposes.”

AGRICULTURAL CROPS

Seed Size (#seeds/oz)	CFU/seed	Oz/cwt seed	G/kg seed
Large (1-100) e.g. peanuts, beans (green & dry), field corn	100,000 - 200,000	0.0056 – 1.13	0.0035 – 0.70
Medium (100- 1,000) e.g. sweet corn, soybeans, sorghum	50,000 – 150,000	0.28 – 8.47	0.176 – 5.28
Small (1,000-10,000) e.g. cabbage, cucumbers, sugar beets	25,000 – 100,000	1.4 – 56.4	39.7 – 1598.9
Fine (10,000-100,000) e.g. tomatoes	10,000 – 75,000	5.6 – 423.3	158.8 - 11992

ORNAMENTAL CROPS

Seed Size (#seeds/oz)	CFU/seed	Oz/cwt seed	G/kg seed
Small (1,000 – 10,000) e.g. Echinacea, Cosmos	25,000 – 100,000	1.41 – 56.4	39.7 – 1598.9
Fine (10,000 – 100,000) e.g. Texas bluegrass, ryegrass	10,000 – 75,000	5.6 – 423.3	158.8 - 11992
Very fine (100,000 – 500,000) e.g. bentgrass	5,000 – 10,000	28.0 - 423.3	793.8 - 11992

SEED TREATMENT FOR VEGETATIVELY PROPAGATED CROPS, INCLUDING POTATOES, OTHER TUBERS AND BULBS:

For planting or storage, treat at 0.03 – 3.0 ounces RootShield® WP Biological Fungicide to 100 lbs. (1 cwt) of bulbs or cut potato seed pieces. Apply to seed pieces or bulbs so surfaces are thoroughly covered with dust. Dip bulbs, tubers or cut potato seed pieces in a suspension of 0.25 – 3.0 lbs. of RootShield® WP Biological Fungicide in 20 gallons of water.

For potatoes, apply RootShield® WP Biological Fungicide with compatible chemical seed dusts. Consult your BioWorks, Inc. representative for more information. All surfaces, knives, and other equipment used to cut and plant potatoes should be thoroughly sterilized before cutting and planting and at regular intervals. The cut and treated seed pieces may be held for a week or more at cool temperatures, 45-50°F, and high relative humidity to promote suberization or they may be planted immediately.

DIP FOR CUTTINGS, BULBS OR BARE ROOTED TRANSPLANTS:

Dip cuttings, bulbs or transplants in RootShield® WP Biological Fungicide dry powder or in a suspension of 0.25 - 3.0 pounds RootShield® WP Biological Fungicide in 20 gallons of water. Plant treated cuttings, bulbs or transplants in potting mix or soil in the usual manner.

GREENHOUSE DRENCH:

Suspend 1.0 – 32.0 ounces RootShield® WP Biological Fungicide in 100 gallons of water with agitation and apply as a drench to greenhouse planting mixes. For seeding flats or shallow (up to 4-inch depth) beds or pots, apply at a rate of 50 - 100 gallons per 800 square feet. For deeper beds or pots, apply at a rate of 100 gallons per 400 square feet, or at the rate of 1/2 - 1 cup (4 – 8 fl. ounces) per 3” – 6” pot. Apply RootShield® WP Biological Fungicide through low pressure watering nozzles such as fan nozzles, or other drench watering systems. Constant agitation is required to maintain RootShield® WP Biological Fungicide in suspension. RootShield® WP Biological Fungicide can be tank mixed and is compatible with many commonly used fungicides, liquid fertilizers, herbicides, insecticides and biological control products registered for use on greenhouse/ornamental plants. If tank mixes are desired, observe the most restrictive of labeling limitations and precautions of all products used in mixtures. Consult the tank mix compatibility chart below or the company for more information.

NURSERY DRENCH:

Suspend 1.0 – 32.0 ounces RootShield® WP Biological Fungicide in 100 gallons of water with agitation and apply as a drench to container nursery crops. For shallow (up to 4-inch depth) beds or pots, apply at a rate of 50 - 100 gallons per 800 square feet. For deeper beds or pots, apply at a rate of 100 gallons per 400 square feet, or at the rate of 1/2 - 1 cup (4 – 8 fl. ounces) per 3” – 6” pot. Apply RootShield® WP Biological Fungicide through low pressure watering nozzles, such as fan nozzles or other drench watering systems. Constant agitation is required to maintain RootShield® WP Biological Fungicide in suspension. RootShield® WP Biological Fungicide may be applied through soil-directed handheld or backpack soil-directed sprayers. RootShield® WP Biological Fungicide can be tank mixed and is compatible with many commonly used fungicides, liquid fertilizers, herbicides, and insecticides registered for use on nursery plants. If tank mixes are desired, observe the most restrictive of labeling limitations and precautions of all products used in mixtures. Consult the tank mix compatibility chart below or the company for more information.

IN-FURROW SPRAY OR TRANSPLANT STARTER SOLUTION:

Apply as an in-furrow spray or transplant starter solution at a rate of 1.0 – 32.0 ounces/acre in sufficient water to achieve uniform application. Maintain constant agitation. RootShield® WP Biological Fungicide can be tank mixed with certain fertilizers and pesticides; consult tank mix compatibility chart below for detailed information.

TANK MIXING:

RootShield® WP Biological Fungicide can be tank mixed and is compatible with many commonly used fungicides, liquid fertilizers, herbicides, and insecticides registered for use on greenhouse/ornamental plants. If tank mixes are desired, observe the most restrictive of labeling limitations and precautions of all products used in mixtures. Consult the tank mix compatibility chart below or the company for more information. **This product should not be tank mixed with chemicals that contain the following active ingredients: benomyl, imazalil, propiconazole, tebuconazole, and triflumizole.** Do not apply RootShield® WP Biological Fungicide immediately before these pesticides are used.

Do not combine RootShield® WP Biological Fungicide in the spray tank with pesticides, surfactants, adjuvants, or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible, effective and non-injurious under your use conditions.

RootShield® WP Biological Fungicide is compatible with many commonly used pesticides, fertilizers, adjuvants and surfactants but has not been fully evaluated with all of these. To ensure compatibility of tank-mix combinations, evaluate them prior to use as follows: Using a suitable container, add proportional amounts of products to water. Add wettable powders first, followed by water dispersible granules, then by liquid flowables and lastly, emulsifiable concentrates. Mix thoroughly and let stand for at least five minutes. If the combination stays mixed or can be remixed, it is physically compatible. Do not exceed label application rates.

This product cannot be mixed with any product containing a label prohibition against such mixing.

GREENHOUSE AND FIELD CHEMIGATION

Suspend 1.0 – 32.0 ounces RootShield® WP Biological Fungicide in 100 gallons of water with agitation and apply through the following systems: 1) Overhead boom-type sprayers or sprinklers, mist-type

irrigation systems, sprinklers such as impact or micro-sprinklers, center pivot, lateral move, end tow, side (wheel) roll, traveler, solid set or hand move (Pre-plant only) 2) pressurized drench (flood) or drip (trickle) systems, 3) furrow, 4) micro-irrigation, such as spaghetti-tube or individual tube irrigation, 5) soil-directed hand-held calibrated irrigation equipment, such as the hand-held wand with injector, and 6) ebb and flow systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension specialists, equipment manufacturers, or other experts.

Do not connect an irrigation system (including greenhouse system) used for pesticide application to a public water system unless the pesticide safety systems for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Requirements for Chemigation Systems Connected to Public Water Systems:

- 1) Public water systems means a system for the provision to the public of piped water for human consumption if such a system has at least 15 service connections or regular serves an average of at least 25 individuals daily at least 60 days out of the year.
- 2) Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- 3) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 4) The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 5) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6) Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7) Do not apply when wind speed favors drift beyond the area intended for treatment.
- 8) Apply RootShield® WP Biological Fungicide during the last half of the water application period. Mix RootShield® WP Biological Fungicide in enough water to be able to draw through the system for the last half of the water application.
- 9) Apply enough water to move RootShield® WP Biological Fungicide into the root zone. Amounts will vary depending on soil type and existing moisture level. Avoid applying water volumes that would cause runoff or excessive leaching.

Sprinkler Chemigation Requirements:

- 1) The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
- 2) The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back towards the injection pump.
- 3) The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 4) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 5) The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6) Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7) Do not apply when wind speed favors drift beyond the area intended for treatment.
- 8) Remove scale, pesticide residues, and other foreign matter from the chemical supply tank and entire injector system. Flush with clean water. Failure to provide a clean tank, void of scale or residues, may cause product to lose effectiveness or strength.

Center-pivot, Lateral Move, End Tow, and Traveler Irrigation Equipment (Pre-Plant Only; Use only with electric or oil hydraulic drive systems which provide a uniform water distribution):

- 1) Determine size of area to be treated.
- 2) Determine the time required to apply no more than 1/4 inch of water (6,750 gallons water per acre) over the area to be treated when the system and injection equipment are operated at normal pressures recommended by the equipment manufacturer. Run system at 80 to 95% of manufacturer's rated capacity.
- 3) Using only water, determine the injection pump output when operated at normal line pressure.
- 4) Determine the amount of RootShield® WP Biological Fungicide required to treat area.
- 5) Add required amount of RootShield® WP Biological Fungicide and sufficient water to meet the injection time requirements of the solution tank.
- 6) Maintain constant solution tank agitation during the injection period.
- 7) Stop injection equipment after treatment is completed. Continue to operate the system until RootShield® WP Biological Fungicide solution has cleared the sprinkler head.

Solid-set, Side (wheel) Roll, and Hand Move Irrigation Equipment (Pre-Plant Only):

- 1) Determine acreage covered by sprinkler.
- 2) Fill injector solution tank with water and adjust flow rate to use contents over a 10- to 30-minute interval.
- 3) Determine the amount of RootShield® WP Biological Fungicide required to treat area.
- 4) Add the required amount of RootShield® WP Biological Fungicide into the same quantity of water used to calibrate the injection equipment.
- 5) Maintain constant solution tank agitation during the injection period.
- 6) Operate system at normal pressures recommended by the manufacturer of the injection equipment and used for the time interval established during calibration.

- 7) Inject RootShield® WP Biological Fungicide at the end of the irrigation cycle or as a separate application to maximize fungicide retention.
- 8) Stop injection equipment after treatment is completed. Continue to operate the system until RootShield® WP Biological Fungicide solution has cleared the last sprinkler head.

Drip (Trickle) Chemigation and Micro-irrigation Requirements:

- 1) The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
- 2) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 3) The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 4) The system must contain functional inter-locking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 5) The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6) Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7) Apply RootShield® WP Biological Fungicide during the last half of the water application period. Mix RootShield® WP Biological Fungicide in enough water to be able to draw through the system for the last half of the water application.
- 8) Apply enough water to move RootShield® WP Biological Fungicide into the root zone. Amounts will vary depending on soil type and existing moisture level. Avoid applying water volumes that would cause runoff or excessive leaching.

Flood and Furrow Chemigation Requirements:

- 1) Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from back flow if water flow stops.
- 2) Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:
 - a. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
 - b. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
 - c. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

- d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
 - e. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
 - f. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 3) Apply RootShield® WP Biological Fungicide during the last half of the water application period. Mix RootShield® WP Biological Fungicide in enough water to be able to draw through the system for the last half of the water application.
- 4) Apply enough water to move RootShield® WP Biological Fungicide into the root zone. Amounts will vary depending on soil type and existing moisture level. Avoid applying water volumes that would cause runoff or excessive leaching.

PLANT SAFETY: RootShield® WP Biological Fungicide has been tested on numerous plant varieties with no phytotoxic effects. However, since RootShield® WP Biological Fungicide has not been tested on all plant varieties or in combination with all available tank mixes the manufacturer recommends testing RootShield® WP Biological Fungicide on a small number of plants to check for adverse plant effects before applying to a larger number of plants.

STORAGE AND DISPOSAL (Agricultural Use)

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container under refrigerated conditions. Short periods at room temperatures below 75°F will not affect performance. Do not store near food or feed commodities. Keep container tightly closed when not in use.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling if available, or dispose of empty bag in a sanitary landfill or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke. If outer box is contaminated, dispose of it in the same manner as required for the bag.

WARRANTY: Seller warrants that this product conforms to the description on this label and is reasonably fit for the purposes stated on this label when used and stored in accordance with the directions for use. This warranty does not extend to use of this product contrary to label directions or under conditions not reasonably foreseeable by the Seller, and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, Seller disclaims all other warranties, express or implied, including any warranty of fitness or merchantability. To the extent consistent with applicable law, Seller shall not be liable for consequential, special or indirect damages resulting from use or handling of this product, and Seller's sole liability and Buyer's and User's exclusive remedy shall be limited to refund of the purchase price. This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified.

Country: United States of America

[In Case of Emergency: Call CHEMTREC: (800) 424-9300]

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[Manufactured in the USA by: BioWorks, Inc.]



**ROOTSHIELD® WP
BIOLOGICAL FUNGICIDE**

SUB-LABEL B

**For Residential Use
(Home and Garden Use)**

ROOTSHIELD® WP

Biological Fungicide

[ For Organic Gardening]

[ For Use in Organic Gardening}

[USE INDOORS AND OUTDOORS]

[INTENDED FOR HOME AND GARDEN USE]

[Biological Fungicide]

[Prevents common damping-off fungal diseases]

[Use on Roses, Vegetables, Fruits, Flowering Plants,
Trees and Shrubs]

[Controls root diseases]



[Optional Marketing Claim: Wettable Powder Formulation]

ACTIVE INGREDIENT:

Trichoderma harzianum Rifai strain T-22* 1.15%

OTHER INGREDIENTS: 98.85%

TOTAL: 100.00%

*Contains at least 1.0×10^7 colony forming units per gram of product.

KEEP OUT OF REACH OF CHILDREN

CAUTION

[See attached label booklet for First Aid, Precautionary Statements, Storage and Disposal
Instructions and Directions for Use]

[See foldout panel for First Aid]

[See foldout panel for Directions for Use]

EPA Reg. No.: 68539-7

EPA Est. No.: 68539-NY-001

Manufactured by: BioWorks, Inc., 100 Rawson Road, Ste. 205, Victor, NY 14564 (800) 877-9443
www.bioworksinc.com

Net (Contents)/(Weight): _____

Lot No.: _____

Not for Sale or Use After: [Date stamped/placed on label will be 10 months after the date of manufacture]

FIRST AID	
If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 – 20 minutes.• Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.• Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
HOTLINE NUMBER: Have the product container or label with you when calling a poison control center or doctor or going for treatment. For general information on this product, contact the National Pesticide Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 a.m. to 12 p.m. Pacific Time, or at http://npic.orst.edu . For medical emergencies, call your poison control center at 1-800-222-1222.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin, inhaled, or swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

PRODUCT INFORMATION

ROOTSHIELD® WP Biological Fungicide (ROOTSHIELD® WP) is a preventative biological fungicide for control of plant diseases. The active ingredient is a microbe, *Trichoderma harzianum* Rifai strain T-22, that, when applied to seeds, transplants or other propagative material, soil or planting mixes, grows onto plant roots as they develop and provides protection against plant root pathogens such as *Pythium*, *Rhizoctonia*, *Fusarium*, *Cylindrocladium* and *Thielaviopsis*. Where early season seed rot and seedling diseases are expected, use chemically treated seed or other appropriate measures for stand establishment and ROOTSHIELD® WP for root disease control.

Note: ROOTSHIELD® WP contains live spores of a microbe that must be used prior to disease onset. ROOTSHIELD® WP becomes active in soil or on plants when temperatures are above 50°F and is not effective while temperatures remain cold.

ATTENTION: DO NOT APPLY to sugarcane, pechay (bok choy), rice, mushrooms, kiwi, barley, oats, lemon, apple, and chickpea. Not for use on aquatic plants.

HOME & GARDEN SEED, SOIL AND PLANT ROOT DRENCH: For preventative control of root diseases of vegetable, flower, and ornamental plants.

For drench application to seeds, mix 1.0 – 3.0 tablespoons of ROOTSHIELD® WP per gallon of water, and apply prepared mixture with a watering can or other pesticide application device (e.g. pump sprayer) to 25 feet of planting furrow before covering the seeds with soil.

For transplants, mix 1.0 – 3.0 tablespoons of ROOTSHIELD® WP per gallon of water, and apply 1/2 – 1 cup (4 – 8 fluid ounces) of prepared mixture per plant at transplanting. For new plant beds, mix 1.0 – 3.0 tablespoons of ROOTSHIELD® WP per gallon of water, and apply prepared mixture at a rate of one gallon per 25 square feet of plant bed. Apply prepared mixture with a watering can or other pesticide application device (e.g. pump sprayer).

For established beds or potted plants, mix 1.0 – 3.0 tablespoons of ROOTSHIELD® WP per gallon of water, and apply prepared mixture at a rate of one gallon per 25 square feet of plant bed or 1/2 – 1 cup (4 – 8 fluid ounces) per 4- to 8-inch diameter pot. Apply prepared mixture with a watering can or other pesticide application device (e.g. pump sprayer).

ATTENTION: ROOTSHIELD® WP is designed for application to seeds, plant roots and soil for control of plant root diseases and is not to be used for spray application to foliage or fruit.

[ROOTSHIELD® WP] MAY BE USED ON [THE FOLLOWING]: [VEGETABLES, FRUITS, NUTS, AND ORNAMENTAL PLANTS] [PLANTS, SITES] PLANTS [SITES]:

HOME and GARDEN [VEGETABLE, FRUITS AND NUTS] PLANTS

Berries and Small Fruits: Blackberries, Blueberries, Currants, Elderberries, Gooseberries, Huckleberries, Loganberries, Raspberries, Strawberries, Grapes (**Refer to the excluded crops listed above)

Bulb Vegetables: Garlic, Leeks, Onions, Shallots, Ornamental Bulbs

Cucurbit Vegetables: Cucumbers, Melons (e.g., Chinese Waxgourd, Citron Melon, Muskmelons, or Watermelon), Gourds, Pumpkins, Squash

Fruiting Vegetables: Eggplant, Sweet and Hot Peppers, Tomatillos, Tomatoes

Herbs and Spices

Mints

Hydroponic Plants: Cucumbers, Tomatoes, Lettuce, Herbs and Spices and other hydroponic plants (**Refer to the excluded crops listed above)

Brassica (Cole) Leafy Vegetables: Arugula, Celery, Chervil, Endive, Fennel, Lettuce (head and leaf), Parsley, Radicchio, Rhubarb, Spinach, Swiss Chard, Broccoli, Brussels Sprouts, Cabbage, and Cauliflower (**Refer to the excluded crops listed above)

Asparagus

Legume Vegetable (Succulent or Dried), including: Snap and Dry Beans, Lentils, Succulent and Dry Peas, Soybeans (**Refer to the excluded crops listed above)

Peanut

Pome Fruits: Pears, Quince (**Refer to the excluded crops listed above)

Root and Tuber Vegetables: Beets, Sugar Beets, Carrots, Celeriac, Chicory, Horseradish, Parsnip, Radish, Rutabaga, Salsify, Turnips, Potatoes, Sweet Potatoes, Yams, Jerusalem Artichoke, Cassava, Ginger

Stone Fruits: Apricots, Cherries, Nectarines, Peaches, Plums, Prunes

Tree Nuts: Almonds, Beech Nuts, Brazil Nuts, Butternuts, Cashews, Chestnuts, Filberts, Hickory Nuts, Macadamia Nuts, Pecans, Pistachios, Walnuts

FLOWERS, BEDDING PLANTS, AND ORNAMENTALS, INCLUDING ORNAMENTAL BULBS, ROOTS, AND TUBERS

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container under refrigerated conditions and in a place inaccessible to children and pets. Short periods at room temperatures below 75°F will not affect performance. Keep container tightly closed when not in use.

PESTICIDE DISPOSAL AND CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. **If empty** – Place in trash or offer for recycling if available. **If partly filled** – Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down indoor or outdoor drain.

WARRANTY: Seller warrants that this product conforms to the description on this label and is reasonably fit for the purposes stated on this label when used and stored in accordance with the directions for use. This warranty does not extend to use of this product contrary to label directions or under conditions not reasonably foreseeable by the Seller, and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, Seller disclaims all other warranties, express or implied, including any warranty of fitness or merchantability. To the extent consistent with applicable law, Seller shall not be liable for consequential, special or indirect damages resulting from use or handling of this product, and Seller's sole liability and Buyer's and User's exclusive remedy shall be limited to refund of the purchase price. This product is sold only for uses stated on its label.

[In Case of Emergency: Call CHEMTREC: (800) 424-9300]

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