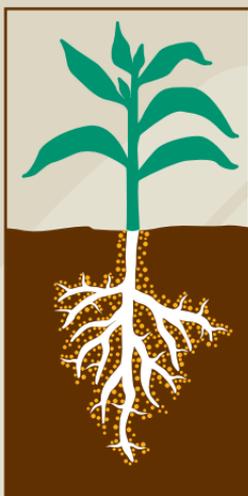


RootShield® Granules

Biological Fungicide



Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD **2015-2017** LIC. NO.

9055.3



Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD **2012-2014** LIC. NO.

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 dry weight.

EPA Reg. No.: 68539-3

EPA Est. No.: 68539-NY-001

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See attached label booklet for **FIRST AID**, Precautionary Statements,
Storage and Disposal Instructions and Directions for Use

Lot No.:

Expires:



BioWorks®

100 Rawson Road, Suite 205, Victor, NY 14564

(800) 877-9443

www.bioworksinc.com



Net Weight: 10 lb (4.54 kg)

S-0201.1 050213

RootShield® Granules

Biological Fungicide

FIRST AID

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.
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HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear protective eyewear, long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Mixer/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Follow manufacturer's directions 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

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. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

For Terrestrial Use. 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 wash water or rinsate.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place. Do not store near food or feed commodities. Do not store at temperatures above 75°F for prolonged periods. Product keeps best under refrigeration. 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 into the application equipment. Then offer for recycling if available, or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If outer box is contaminated, offer for recycling if available, or dispose of empty box in sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

RootShield® Granules

Biological Fungicide

ACTIVE INGREDIENT

Trichoderma harzianum Rifai strain T-22* 1.15%

OTHER INGREDIENTS 98.85%

TOTAL 100.00%

*Contains at least 1.0 x 10⁷ colony forming units per gram dry weight.

EPA Reg. No.: 68539-3

EPA Est. No.: 68539-NY-001

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID

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.
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HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION:

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear protective eyewear, long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Mixer/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Follow manufacturer's directions 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

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. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

For Terrestrial Use. 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 wash water 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 workers may be in the area during application. For any requirement 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 (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

No REI is required as this product is soil incorporated, and 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.

PRODUCT INFORMATION

RootShield® Granules Biological Fungicide is a preventative biological fungicide for control of soilborne plant pathogens and plant root diseases. The active ingredient is a microbe, *Trichoderma harzianum* Rifai strain T-22, which when applied as an inoculant 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® Granules Biological Fungicide can be used in combination with or in rotation with other fungicides, insecticides, miticides, fertilizers or micronutrients in accordance with the more restrictive of label limitations and precautions. Do not exceed label dosage rates. This product cannot be used with any product containing a label prohibition against such mixing. This product is not compatible with chemicals that contain the following active ingredients: imazilil, propiconazole, tebuconazole, and triflumizole. Do not apply RootShield® Granules Biological Fungicide immediately before these pesticides are used. Where early season seed rot and seedling diseases are expected, use chemically treated seed or other appropriate measures for stand establishment and RootShield® Granules Biological Fungicide for root disease control.

Note: RootShield® Granules Biological Fungicide contains live spores of a microbe that must be used prior to disease onset. RootShield® Granules Biological Fungicide becomes active in soil or on plants when temperatures are above 50°F and is not effective while temperatures remain cold. RootShield® Granules 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 (in soil furrow and potting soil) for all listed crops.

USE RESTRICTIONS

Do not apply this product as a broadcast application. Cover applied product with soil or otherwise incorporate it into soil.

DO NOT APPLY to sugarcane, pechay, rice, mush-rooms, kiwi, tobacco, barley, oats, lemon, apple, and chickpea. Not for use on aquatic crops.

APPLICATION INSTRUCTIONS
APPLY VIA GROUND APPLICATION ONLY.
CROPS ON WHICH ROOTSHIELD® GRANULES BIOLOGICAL FUNGICIDE MAY BE USED:

CROPS	USE	APPLICATION RATE OF ROOTSHIELD® GRANULES BIOLOGICAL FUNGICIDE
Berries and Small Fruits: Blackberries, Blueberries, Currants, Elderberries, Gooseberries, Huckleberries, Loganberries, Raspberries, Strawberries, Grapes	In-furrow	2.5 – 6.0 lb / 1/2 acre
*Bulb Vegetables: Garlic, Leeks, Onions, Shallots	In-furrow	2.5 – 6.0 lb / 1/2 acre
*Cereal Grains: Buckwheat, Corn (grain, sweet corn, popcorn, high oil)	In-furrow	2.5 – 6.0 lb / 1/2 acre
Citrus Fruits: Citrus Hybrids, Grapefruit, Kumquat, Limes, Oranges, Pummelos	In-furrow	2.5 – 6.0 lb / 1/2 acre
*Cucurbit Vegetables: Cucumbers, Melons (i.e. Chinese waxgourd, Citron melon, Muskmelons, or Watermelon), Gourds, Pumpkins, Squash	In-furrow	2.5 – 6.0 lb / 1/2 acre
Flowers, Bedding Plants, and Ornamentals	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery bed applications	1.0 – 1.5 lb / 1000 sq ft, incorporate with rake or tiller
Fruiting Vegetables: Eggplant, Sweet and Hot Peppers, Tomatillos, Tomatoes	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
Herbs and Spices	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
Mints	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
	In-furrow	2.5 – 6.0 lb / 1/2 acre
Leafy and Brassica (Cole) Leafy Vegetables: 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	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery bed applications	1.0 – 1.5 lb / 1000 sq ft, incorporate with rake or tiller
Asparagus	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery bed applications	1.0 – 1.5 lb / 1000 sq ft, incorporate with rake or tiller
*Legume Vegetables (Succulent or Dried): Beans (soybean, snap, dry), Lentils, Peas	In-furrow	2.5 – 6.0 lb / 1/2 acre
*Oilseed Crops: Cotton, Canola, Safflower, Sunflower	In-furrow	2.5 – 6.0 lb / 1/2 acre
Pome Fruits: Pears, Quince	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Trees and shrubs	0.2 – 8.0 oz / transplant hole and incorporate
*Root and Tuber Vegetables: Beets, Sugar Beets, Carrots, Celeriac, Chicory, Horseradish, Parsnip, Radish, Rutabaga, Salsify, Turnips, Ornamental Root and Tuber Vegetables Potatoes, Sweet Potatoes, Yams, Jerusalem Artichoke, Cassava, Ginger	In-furrow	1.0 – 3.0 lb / cubic yd soil mix
	Planting hole	0.2 – 8.0 oz / transplant hole and incorporate
Shadehouse and Outdoor Nursery Crops: Deciduous Trees (i.e. Maple, Oak), Ornamentals, Pine	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Nursery planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery bed applications	1.0 – 1.5 lb / 1000 sq ft, incorporate with rake or tiller
	Trees and shrubs	0.2 – 8.0 oz / transplant hole and incorporate
	Trees and shrubs	0.2 – 8.0 oz / transplant hole and incorporate
Stone Fruits: Apricots, Cherries, Nectarines, Peaches, Plums, Prunes	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Trees and shrubs	0.2 – 8.0 oz / transplant hole and incorporate

CROPS	USE	APPLICATION RATE OF ROOTSHIELD® GRANULES BIOLOGICAL FUNGICIDE
Tree Nuts: Almonds, Beech Nuts, Brazil Nuts, Butternuts, Cashews, Chestnuts, Filberts, Hickory Nuts, Macadamia Nuts, Pecans, Pistachios, Walnuts	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Trees	0.2 – 8.0 oz / transplant hole and incorporate

*Not for use in California

IN-FURROW SOIL TREATMENT: Apply RootShield® Granules Biological Fungicide from a granular applicator at the rate of 2.5 - 6.0 pounds per 1/2 acre. Apply granules using a metering device, such as a Gandy applicator or equivalent, mounted to deliver granules into the furrow just behind the furrow opener. Apply in furrow at seeding or to established crops as a side dress and incorporate into soil.

GREENHOUSE PLANTING MIX AMENDMENT: Mix RootShield® Granules Biological Fungicide with planting mixes at a rate of 1-1.5 pounds per cubic yard (loose) mix. Thoroughly incorporate RootShield® Granules Biological Fungicide into planting mixes during mix preparation or at pot filling.

NURSERY PLANTING MIX AMENDMENT: For nursery planting mixes, apply RootShield® Granules Biological Fungicide at the rate of 1-1.5 pounds per cubic yard (loose) mix. For nursery beds, incorporate at a rate of 1-1.5 pounds per 1000 square feet of bed by raking or tilling. Application of irrigation water will help move RootShield® Granules Biological Fungicide into the soil. If soil is fumigated or steam sterilized, apply RootShield® Granules Biological Fungicide after treatment.

TREES: Apply RootShield® Granules Biological Fungicide to the planting hole at a rate of 0.2 - 8.0 ounces and incorporate into the planting soil or soil mix.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place. Do not store near food or feed commodities. Do not store at temperatures above 75°F for prolonged periods. Product keeps best under refrigeration. 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 into the application equipment. Then offer for recycling if available, or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If outer box is contaminated, offer for recycling if available, or dispose of empty box in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NOTICE TO BUYER AND SELLER: Seller warrants that this product conforms to the description on the label and is reasonably fit for the purposes stated on the 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. 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

Manufactured in the USA by:



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

Country: United States of America
 ©2013, BioWorks, Inc.

Net Weight: 10 lb (4.5 kg)

RootShield® Granules

Biological Fungicide



Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2015-2017 LIC. NO. 9055.3



Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2012-2014 LIC. NO.

ACTIVE INGREDIENT	
<i>Trichoderma harzianum</i> Rifai strain T-22*	1.15%
OTHER INGREDIENTS	98.85%
TOTAL	100.00%

*Contains at least 1.0 x 10⁷ colony forming units per gram dry weight.

EPA Reg. No.: 68539-3

EPA Est. No.: 68539-NY-001

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID

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.
HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS

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PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear protective eyewear, long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Mixer/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Follow manufacturer's directions 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

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. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

For Terrestrial Use. 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 wash water 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 workers may be in the area during application. For any requirement 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 (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

No REI is required as this product is soil incorporated, and 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.

PRODUCT INFORMATION

RootShield® Granules Biological Fungicide is a preventative biological fungicide for control of soilborne plant pathogens and plant root diseases. The active ingredient is a microbe, *Trichoderma harzianum* Rifai strain T-22, which when applied as an inoculant 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® Granules Biological Fungicide can be used in combination with or in rotation with other fungicides, insecticides, miticides, fertilizers or micronutrients in accordance with the more restrictive of label limitations and precautions. Do not exceed label dosage rates. This product cannot be used with any product containing a label prohibition against such mixing. This product is not compatible with chemicals that contain the following active ingredients: imazilil, propiconazole, tebuconazole, and triflumizole. Do not apply RootShield® Granules Biological Fungicide immediately before these pesticides are used. Where early season seed rot and seedling diseases are expected, use chemically treated seed or other appropriate measures for stand establishment and RootShield® Granules Biological Fungicide for root disease control.

Note: RootShield® Granules Biological Fungicide contains live spores of a microbe that must be used prior to disease onset. RootShield® Granules Biological Fungicide becomes active in soil or on plants when temperatures are above 50°F and is not effective while temperatures remain cold. RootShield® Granules 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 (in soil furrow and potting soil) for all listed crops.

USE RESTRICTIONS

Do not apply this product as a broadcast application. Cover applied product with soil or otherwise incorporate it into soil.

DO NOT APPLY TO sugarcane, pechay, rice, mushrooms, kiwi, tobacco, barley, oats, lemon, apple, and chickpea. Not for use on aquatic crops.

APPLICATION INSTRUCTIONS

APPLY VIA GROUND APPLICATION ONLY.

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

CROPS	USE	APPLICATION RATE OF ROOTSHIELD® GRANULES BIOLOGICAL FUNGICIDE
Berries and Small Fruits: Blackberries, Blueberries, Currants, Elderberries, Gooseberries, Huckleberries, Loganberries, Raspberries, Strawberries, Grapes	In-furrow	2.5 – 6.0 lb / 1/2 acre
*Bulb Vegetables: Garlic, Leeks, Onions, Shallots	In-furrow	2.5 – 6.0 lb / 1/2 acre
*Cereal Grains: Buckwheat, Corn (grain, sweet corn, popcorn, high oil)	In-furrow	2.5 – 6.0 lb / 1/2 acre
Citrus Fruits: Citrus Hybrids, Grapefruit, Kumquat, Limes, Oranges, Pummelos	In-furrow	2.5 – 6.0 lb / 1/2 acre
*Cucurbit Vegetables: Cucumbers, Melons (i.e. Chinese waxgourd, Citron melon, Muskmelons, or Watermelon), Gourds, Pumpkins, Squash	In-furrow	2.5 – 6.0 lb / 1/2 acre

CROPS	USE	APPLICATION RATE OF ROOTSHIELD® GRANULES BIOLOGICAL FUNGICIDE
Flowers, Bedding Plants, and Ornamentals	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery bed applications	1.0 – 1.5 lb / 1000 sq ft, incorporate with rake or tiller
Fruiting Vegetables: Eggplant, Sweet and Hot Peppers, Tomatillos, Tomatoes	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
Herbs and Spices	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
Mints	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
Leafy and Brassica (Cole) Leafy Vegetables: 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	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery bed applications	1.0 – 1.5 lb / 1000 sq ft, incorporate with rake or tiller
Asparagus	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery bed applications	1.0 – 1.5 lb / 1000 sq ft, incorporate with rake or tiller
*Legume Vegetables (Succulent or Dried): Beans (soybean, snap, dry), Lentils, Peas	In-furrow	2.5 – 6.0 lb / 1/2 acre
*Oilseed Crops: Cotton, Canola, Safflower, Sunflower	In-furrow	2.5 – 6.0 lb / 1/2 acre
Pome Fruits: Pears, Quince	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Trees and shrubs	0.2 – 8.0 oz / transplant hole and incorporate
*Root and Tuber Vegetables: Beets, Sugar Beets, Carrots, Celeriac, Chicory, Horseradish, Parsnip, Radish, Rutabaga, Salsify, Turnips, Ornamental Root and Tuber Vegetables	In-furrow	1.0 – 3.0 lb / cubic yd soil mix
	Planting hole	0.2 – 8.0 oz / transplant hole and incorporate
Potatoes, Sweet Potatoes, Yams, Jerusalem Artichoke, Cassava, Ginger	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Planting hole	0.2 – 8.0 oz / transplant hole and incorporate
Shadehouse and Outdoor Nursery Crops: Deciduous Trees (i.e. Maple, Oak), Ornamentals, Pine	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Nursery planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery bed applications	1.0 – 1.5 lb/1000 sq ft, incorporate with rake or tiller
	Trees and shrubs	0.2 – 8.0 oz / transplant hole and incorporate
Stone Fruits: Apricots, Cherries, Nectarines, Peaches, Plums, Prunes	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Trees and shrubs	0.2 – 8.0 oz / transplant hole and incorporate
Tree Nuts: Almonds, Beech Nuts, Brazil Nuts, Butternuts, Cashews, Chestnuts, Filberts, Hickory Nuts, Macadamia Nuts, Pecans, Pistachios, Walnuts	In-furrow	2.5 – 6.0 lb / 1/2 acre
	Greenhouse planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Nursery planting mix	1.0 – 1.5 lb / cubic yd soil mix
	Trees	0.2 – 8.0 oz / transplant hole and incorporate

*Not for use in California

IN-FURROW SOIL TREATMENT: Apply RootShield® Granules Biological Fungicide from a granular applicator at the rate of 2.5 - 6.0 pounds per 1/2 acre. Apply granules using a metering device, such as a Gandy applicator or equivalent, mounted to deliver granules into the furrow just behind the furrow opener. Apply in furrow at seeding or to established crops as a side dress and incorporate into soil.

GREENHOUSE PLANTING MIX AMENDMENT: Mix RootShield® Granules Biological Fungicide with planting mixes at a rate of 1-1.5 pounds per cubic yard (loose) mix. Thoroughly incorporate RootShield® Granules Biological Fungicide into planting mixes during mix preparation or at pot filling.

NURSERY PLANTING MIX AMENDMENT: For nursery planting mixes, apply RootShield® Granules Biological Fungicide at the rate of 1-1.5 pounds per cubic yard (loose) mix. For nursery beds, incorporate at a rate of 1-1.5 pounds per 1000 square feet of bed by raking or tilling. Application of irrigation water will help move RootShield® Granules Biological Fungicide into the soil. If soil is fumigated or steam sterilized, apply RootShield® Granules Biological Fungicide after treatment.

TREES: Apply RootShield® Granules Biological Fungicide to the planting hole at a rate of 0.2 - 8.0 ounces and incorporate into the planting soil or soil mix.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place. Do not store near food or feed commodities. Do not store at temperatures above 75°F for prolonged periods. Product keeps best under refrigeration. 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 into the application equipment. Then offer for recycling if available, or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NOTICE TO BUYER AND SELLER: Seller warrants that this product conforms to the description on the label and is reasonably fit for the purposes stated on the 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. 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

Manufactured in the USA by:



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Country: United States of America
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Lot No.:

Expires:

Net Weight: 40 lb (18 kg)