

CHR-1WHP

Wettable Powder • Seed Treatment Use • Soil-Applied Use

A wettable powder biological fungicide/nematicide for seed treatment and soil-applied use for early season protection against listed fungal diseases and soil nematodes.

Active Ingredients:	By Wt.
<i>Bacillus subtilis</i> strain CH3000*	31.0%
<i>Bacillus paralicheniformis</i> strain CH2970**	20.0%
Other Ingredients:	49.0%
Total:	100.0%

*Contains a minimum of 5.0×10^{10} colony-forming units (cfu) per g of product.

**Contains a minimum of 1.0×10^{11} colony-forming units (cfu) per g of product.

EPA Reg. No. 2375-2-70506

EPA Est. No. 2375-WI-2

**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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE CALL ROCKY MOUNTAIN POISON AND DRUG SAFETY: 1-866-673-6671. FOR 24-HOUR CHEMICAL EMERGENCY (Spill, leaks, fire, exposure or accident) CALL CHEMTREC: 1-800-424-9300 or +1-703-527-3887.	

Net Weight: 2.2 Pounds

Not for sale or use after:

Batch/Lot code:

Distributed By: **UPL NA Inc.** • 630 Freedom Business Center, Suite 402
King of Prussia, PA 19406 U.S.A. • 1-800-438-6071



PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. 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
- long pants
- shoes plus socks

Mixers/loaders and applicators must wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R, or P filter; OR a NIOSH-approved powered air-purifying respirator with an HE filter. Repeated exposures to high concentrations of microbial proteins can cause allergic sensitization.

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

Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607 (d) and (e)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for Applicators and other handlers and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove clothing/PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

Cover or collect seeds or powder product spilled during loading or use. 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.

Read entire label before using this product.

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) restricted-entry interval, and notification to workers. 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 that are NOT within the scope of the Worker Protection Standard (WPS) 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 treatment area until seeds have dried or been packaged.

Keep unprotected persons out of treatment area until applied product is covered or dried in soil.

Seed Treatment Use

Product Information

CHR-1WP is a biofungicide and bionematicide seed treatment wettable powder formulation that provides suppression and control of listed nematodes and fungi in a variety of food and non-food crops for any and all seed practices including farm, greenhouse, nursery, or any other seed development and application processes. Seed must be sound and well-cured before treatment.

Seed Treatment Equipment

CHR-1WP may be used both for commercial and for on-farm application. CHR-1WP can be applied with mechanical, slurry, or mist-type seed treating equipment, as long as the equipment can be calibrated to accurately and uniformly apply the product to seed without undue mechanical damage to the seed. Uniform application to seed is important for all seed treatment products.

Application Instructions

Seed must be sound and well-cured before treatment. Refer to the application rates below. Mix CHR-1WP (**Application Rates** below) with a sufficient quantity of chlorine-free water and/or other products to attain

a final targeted slurry rate of at least 0.016 oz/lb of seed on large seed crops such as corn and soybeans. On smaller size seeds such as grass or canola, a final targeted slurry rate of at least 0.016 oz/lb of seed is necessary to ensure adequate and uniform coverage. The appropriate volume of slurry depends on crop, temperature, humidity, type of equipment, and other factors and must be adjusted per normal treating practices for the circumstances. Contact your local supplier or distributor representative for additional specifications for slurry volumes and questions on any tank mixes or restrictions.

Recalibrate equipment to compensate for the required slurry rate to ensure all products are applied at the correct application rate.

NOTE: This product does not contain dye. All seed treated commercially with this product must be colored with an EPA-approved dye or colorant of a suitable color to prevent accidental use as food for humans or feed for animals.

SEED BAG LABEL REQUIREMENTS

The Federal Seed Act requires that bags containing seeds treated with this product shall be labeled with the following information:

- This seed has been treated with *Bacillus subtilis* strain CH3000 and *Bacillus paralicheniformis* strain CH2970.
- Do not use for feed, food or oil purposes. Store away from feed and food stuffs.

User is responsible for ensuring that the seed bag meets all requirements under the Federal Seed Act.

Do not use CHR-1WP in combination with other seed treatment products unless compatibility has been verified. Read and carefully follow all label directions of each product used in the treating mixture. When using combinations of products, the most restrictive of label limitations and precautions must be followed.

Application Rates, Crops, and Pests

Application Rates

CHR-1WP may be applied as a seed treatment at a product rate of 0.016 to 0.048 oz/lb of seed.

Specific Crop Directions

Crop Group 18 -	Nongrass Animal Feeds (Forage, Fodder, Straw, and Hay) Group: Alfalfa, Clover, and Forages	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*] <i>Globodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Colletotrichum</i> spp.[*] <i>Phytophthora</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop Group 11 -	Pome Fruits Group: Apple, Crabapple, Pear, Quince, Mayhaw, and other pome fruit	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*] <i>Xiphinema</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Venturia</i> spp.[*] <i>Botryosphaeria</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 12 -	Stone Fruit Group: Apricot, Cherry, Nectarine, Peach, Plum, and other stone fruit crops	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Armillaria</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 1 -	Root and Tuber Vegetables Group: Artichoke	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Botrytis</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Sclerotinia</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 22 -	Stalk, Stem and Leaf Petiole Vegetable Group: Asparagus	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 24 -	Tropical and Subtropical Fruit, Inedible Peel Group: Avocado and Mango	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Armillaria</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 5 -	Brassica (Cole) Leafy Vegetables Group: Broccoli, Cabbage, Cauliflower, Brussels Sprouts, Collards, Kale, Mustard Greens, Kohlrabi, and other brassica crops	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Sclerotinia</i> spp.[*] <i>Plasmodiophora brassicae</i> [*]	0.016 - 0.048 ounces/lb

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Crop Group 24 -	Tropical and Subtropical Fruit, Inedible Peel Group: Banana, Plantain, and Pineapple	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium oxysporum</i> f.sp. <i>cubense</i> [*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Xanthomonas</i> spp.[*] <i>Ralstonia</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 15 -	Cereal Grains Group: (Exclude Corn) Barley, Buckwheat, Millet, Oat, Pearl Millet, Proso Millet, Rice**, Rye, Sorghum, Teosinte, Triticale, Wheat, and other cereal grain crops	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Tilletia</i> spp.[*] <i>Cochliobolus</i> spp.[*] <i>Gibberella</i> spp.[*] <i>Microdochium</i> spp.[*] <i>Ustilago</i> spp.[*] <i>Blumeria</i> spp.[*] <i>Gaeumannomyces</i> spp.[*] <i>Macrophomina</i> spp.[*]	0.016 - 0.048 ounces/lb

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**Do not apply to flooded fields.

Crop Group 15 -	Cereal Grains Group: Corn (Field corn, Popcorn, Sweet corn, and Corn Grown for Seed)	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Diplodia</i> spp.[*] <i>Penicillium</i> spp.[*] <i>Trichoderma</i> spp.[*] <i>Gibberella</i> spp.[*] <i>Gaeumannomyces</i> spp.[*] <i>Microdochium</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 20 -	Oilseed Group: Cottonseed	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Rotylenchulus reniformis</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Thielaviopsis</i> spp.[*] <i>Ascochyta</i> spp.[*] <i>Phymatotrichopsis</i> spp.[*] <i>Verticillium</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 10 -	Citrus Fruit Group: Calamondin, Citrus citron, Citrus hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Sour and Sweet Orange, Pummelo, Satsuma mandarin, and other citrus fruit crop	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Armillaria</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop -	Coffee	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Gibberella</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 9 -	Cucurbit Vegetables Group: Chayote (fruit), Chinese wax gourd (Chinese preserving melon), Citron melon, Cucumber, Cantaloupe, Edible Gourd (such as Chinese Okra, Cucuzza, Hechima, and Hyotan), Gherkin, Melon, Momordica spp. (such as Balsam apple, Balsam pear, Bitter melon, and Cucumber), Muskmelon, Pumpkin, Summer and Winter Squash (such as Acorn, Butternut, Calabaza, Crookneck, Hubbard, Scallop, Spaghetti, and Zucchini), Squash, Watermelon, Chinese Watermelon, and other cucurbit crops	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 8 -	Fruiting Vegetables Group: African eggplant, Bell pepper, Bush tomato, Cocona, Currant tomato, Eggplant, Garden huckleberry, Goji berry, Groundberry, Martynia, Naranjilla, Nonbell pepper, Okra, Pea eggplant, Pepino, Roselle, Scarlet eggplant, Sunberry, Tomatillo, and Tomato	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*] <i>Globodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Macrophomina</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 13-07 -	Berry and Small Fruit Crop Group: Grapes	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*] <i>Tylenchulus semipenetrans</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Botryosphaeria</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Phaeoconiella</i> spp.[*] <i>Agrobacterium</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop -	Hemp	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Colletotrichum</i> spp.[*] <i>Alternaria</i> spp.[*] <i>Macrophomina</i> spp.[*] <i>Botrytis</i> spp.[*] <i>Verticillium</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 19 -	Herbs and Spices Group: Fresh and Dried Basil, Black Pepper, Chive, Celery seed, Dill seed, and other herbs and spices	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop -	Hops	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Phytophthora</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 13-07 -	Berry and Small Fruit Crop Group: Kiwi	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 4 -	Leafy Vegetables (Except Brassica Vegetables) Group: Lettuce, Celery, Spinach, Parsley, Radicchio, and other leafy vegetables crops including those grown for seed production	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Botrytis</i> spp.[*] <i>Sclerotinia</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 6 -	Legume Vegetables (Succulent or Dried): (Exclude Lentils and Soybeans) Beans, Snap beans, Garbanzo beans, Lima beans, Peas, Chick peas, Dried bean and pea (<i>Lupinus</i> spp., <i>Phaseolus</i> spp., <i>Vigna</i> spp., and <i>Pisum</i> spp.), and other legume vegetable crops including those grown for seed production	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop Group 6 -	Legume Vegetables (Succulent or Dried): Lentils	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Colletotrichum</i> spp.[*] <i>Botrytis</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop -	Mint	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop Group 20 -	Oilseed Group: (Excludes Cottonseed, Peanut, and Soybeans) Canola, Castor, Flax, Palm, Olive, Rapeseed, Safflower, Sesame, Sunflower, and other oil seed crops	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop Group 3 -	Bulb Vegetables (<i>Allium</i> spp.) Group: Onion, Garlic, Shallots, and other bulb vegetables including those grown for seed production	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Botrytis</i> spp.[*] <i>Sclerotinia</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop -	Ornamental Flowers	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Agrobacterium</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop -	Peanut	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Belonolaimus</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Aspergillus</i> spp.[*] <i>Theilaviopsis</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop Group 23 -	Tropical and Subtropical Fruit, Edible Peel Group: Olive and Palm Tree	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*] <i>Hemicriconemoides</i> [*] <i>Rotylenchulus</i> [*] <i>Tylenchulus</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Sclerotinia</i> spp.[*] <i>Armillaria</i> spp.[*]	0.016 - 0.048 ounces/lb

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Crop Group 24 -	Tropical and Subtropical Fruit, Inedible Peel Group: Papaya	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Sclerotinia</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop Group 1 -	Root and Tuber Vegetables Group: Potato	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Alternaria</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Streptomyces</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop Group 1 -	Root and Tuber Vegetables Group: (Exclude Potato, Sugar Beet, and Artichoke) Arracacha, Arrowroot, Bean and True Yam, Beets, Bitter and Sweet Cassava, Black and Spanish Salsify, Carrot, Celeriac (Celery Root), Chayote (Root), Chicory, Chufa, Dasheen (Taro), Edible Burdock, Edible Cana, Ginger, Ginseng, Green Beet, Horseradish, Leren, Oriental Radish, Parsnip, Radish, Rutabaga, Salsify (Oyster plant), Skirret, Sweet Potato, Tanier (Cocoyam), Turmeric, Turnip, Turnip-rooted Chervil, and Turnip-rooted Parsley, and other root and tuber vegetable crops	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop Group 6 -	Legume Vegetables (Succulent or Dried): Soybeans	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Colletotrichum</i> spp.[*] <i>Peronospora</i> spp.[*] <i>Cercospora</i> spp.[*] <i>Diaporthe</i> spp.[*] <i>Botrytis</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop Group 13-07 -	Berry and Small Fruit Crop Group: Strawberry	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Botrytis</i> spp.[*] <i>Sclerotinia</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop Group 13-07 -	Berry and Small Fruit Crop Group: Blueberry	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Hemicycliophor</i> [*] <i>Helicotylenchus</i> [*] <i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*] <i>Mesocriconema</i> [*] <i>Xiphinema</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Cylindrocladium</i> spp.[*] <i>Armillaria</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop Group 1 -	Root and Tuber Vegetables Group: Sugarbeet	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Sclerotinia</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop -	Sugarcane	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Colletotrichum</i> spp.[*] <i>Sporisorium</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop -	Tobacco	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*] <i>Globodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Ceratocystis</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

Crop Group 14 -	Tree Nuts Group: Almond, Beech nut, Brazil nut, Butternut, Cashew, Chinquapin, Coconut, Filbert (hazelnut), Hickory nut, Macadamia nut, Pecan, Walnut, and other tree nut crops	
Target Nematode	Target Plant Pathogens	Application Rate: Product/Seed Weight:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Armillaria</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Verticillium</i> spp.[*]	0.016 - 0.048 ounces/lb

*Not registered for use in California.

USE RESTRICTIONS

Do not use treated seed for food or feed purposes or process for oil. For at-planting seed treatments, treat only those seeds needed for immediate use, minimizing the interval between treatment and planting. Care must be exercised in the handling of treated seed. Augers used for handling treated seed must not be used to move seed for feed, food or oil processing. Do not re-use bags from treated seed to handle food or feed products.

Soil Applied Use

PRODUCT INFORMATION

CHR-1WP is a Biofungicide/Bionematicide soil applied wettable powder formulation for the suppression and control of listed fungi and soil nematodes in a variety of food and non-food crops.

APPLICATION AND MIXING INSTRUCTIONS

SOIL TREATMENT APPLICATION INSTRUCTIONS

CHR-1WP Biofungicide/Bionematicide may be applied as a soil surface drip, drench, side dress, injected, in-furrow, or as a T-band (band over the open furrow) and with seed or listed crops at any time.

Order of Mixing

CHR-1WP may be tank-mixed with other registered pesticides to enhance plant disease/nematode control or suppression. When tank-mixing CHR-1WP with other registered pesticides, always read and follow all use directions, restrictions, and precautions of both CHR-1WP and the tank-mix partner(s). Use of the resulting tank mix must be in accordance with the more restrictive label limitations and precautions. Do not exceed label dosage rates.

1. Fill the spray tank one-half full with chlorine free water and begin agitation.
2. Dissolve specified amount of CHR-1WP in a slurry then add to remainder of spray tank solution.
3. Finish filling the tank to the volume necessary to obtain the proper spray concentration.

Spray solution should be agitated during mixing and application to assure a uniform suspension. If spray mixture is allowed to stand for prolonged periods or overnight, agitate spray tank to mix product back into solution.

CHR-1WP can be mixed directly with water. The rate of application is variable according to pest pressure. Use lower labeled rates under light to moderate pest infestations, and higher labeled rates under heavier pest pressure. Use the highest labeled rate under arid conditions.

IN FURROW AT PLANT APPLICATIONS

Where permitted by crop specific use directions apply in-furrow during planting operations. Direct applications into the open furrow and cover with soil.

DRIP APPLICATION INFORMATION

Use sufficient water volume to provide thorough and uniform coverage to obtain the most effective nematode control.

This product may be applied through drip irrigation systems.

1. Do not apply this product through any other type of irrigation system.
2. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
3. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
4. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
5. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

This product has not been sufficiently tested when applied through irrigation systems to assure consistent product performance for all labeled uses. The following application techniques are provided for user reference but do not constitute a warranty of fitness for application through drip irrigation equipment.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label prescribed safety devices for public water systems are in place. 'Public water system' means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone (RPZ), back flow preventer, 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. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump 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. 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. 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. Do not apply when wind speed favors drift beyond the area intended for treatment. Please see **Order of Mixing** section above for agitation recommendations and mixing instructions.

This product can be injected during the irrigation cycle or as a separate application. For drip irrigation systems, introduce nematicide into irrigation solution for a period sufficient to distribute the product uniformly in the crop. Stop injection equipment with any system after treatment is completed and continue to operate irrigation system until this product has been cleared from the last sprinkler head or drip irrigation line. 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. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. 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. The system must contain functional inter-locking controls to automatically shut off the pesticide injection pump when the water pump motor stops. 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. 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.

GREENHOUSE APPLICATION INSTRUCTIONS

This product may be applied as a soil treatment in greenhouses. See soil treatment application instructions.

COMPATIBILITY TESTING AND TANK MIX PARTNERS

Tank-Mixtures

CHR-1WP may be applied in tank mixtures with other products approved for use on the crops listed on this label. Observe all application instructions, restrictions, and precautions which appear on the labels of any tank mixed products. To ensure successful applications, product compatibility tests should be conducted.

Compatibility

CHR-1WP is physically and biologically 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 product 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. Test the combination on a small portion of the crop to be treated to ensure that a crop response does not occur as a result of application.

Do not combine CHR-1WP with pesticides, surfactants, or fertilizers with which there has been no previous experience or use demonstrating that they are physically compatible, effective, and non-injurious under your use conditions.

Application Rates, Crops, and Pests

Specific Crop Directions

Crop Rotation Restrictions

There are no crop rotation restrictions. Any crop can be rotated at any time after application of CHR-1WP.

Application Rates

CHR-1WP may be applied as a soil applied fungicide/nematicide treatment at rates between 1.43 - 5.71 oz/A in 3 - 20 gal total solution for the following crops and fungi/nematode pests.

Crop Group 18 -	Nongrass Animal Feeds (Forage, Fodder, Straw, and Hay) Group: Alfalfa, Clover, and Forages	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*] <i>Globodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Colletotrichum</i> spp.[*] <i>Phytophthora</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 11 -	Pome Fruits Group: Apple, Crabapple, Pear, Quince, Mayhaw, and other pome fruit	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*] <i>Xiphinema</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Venturia</i> spp.[*] <i>Botryosphaeria</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 12 -	Stone Fruit Group: Apricot, Cherry, Nectarine, Peach, Plum, and other stone fruit crops	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Armillaria</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 1 -	Root and Tuber Vegetables Group: Artichoke	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Botrytis</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Sclerotinia</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 22 -	Stalk, Stem and Leaf Petiole Vegetable Group: Asparagus	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 24 -	Tropical and Subtropical Fruit, Inedible Peel Group: Avocado and Mango	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Armillaria</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 5 -	Brassica (Cole) Leafy Vegetables Group: Broccoli, Cabbage, Cauliflower, Brussels Sprouts, Collards, Kale, Mustard Greens, Kohlrabi, and other brassica crops	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Sclerotinia</i> spp.[*] <i>Plasmodiophora brassicae</i> [*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 24 -	Tropical and Subtropical Fruit, Inedible Peel Group: Banana, Plantain, and Pineapple	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium oxysporum</i> f.sp. <i>cubense</i> [*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Xanthomonas</i> spp.[*] <i>Ralstonia</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 15 -	Cereal Grains Group: (Exclude Corn) Barley, Buckwheat, Millet, Oat, Pearl Millet, Proso Millet, Rice**, Rye, Sorghum, Teosinte, Triticale, Wheat, and other cereal grain crops	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Tilletia</i> spp.[*] <i>Cochliobolus</i> spp.[*] <i>Gibberella</i> spp.[*] <i>Microdochium</i> spp.[*] <i>Ustilago</i> spp.[*] <i>Blumeria</i> spp.[*] <i>Gaeumannomyces</i> spp.[*] <i>Macrophomina</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

**Do not apply to flooded fields.

Crop Group 15 -	Cereal Grains Group: Corn (Field corn, Popcorn, Sweet corn, and Corn Grown for Seed)	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Diplodia</i> spp.[*] <i>Penicillium</i> spp.[*] <i>Trichoderma</i> spp.[*] <i>Gibberella</i> spp.[*] <i>Gaeumannomyces</i> spp.[*] <i>Microdochium</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 20 -	Oilseed Group: Cottonseed	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Rotylenchulus reniformis</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Thielaviopsis</i> spp.[*] <i>Ascochyta</i> spp.[*] <i>Phymatotrichopsis</i> spp.[*] <i>Verticillium</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 10 -	Citrus Fruit Group: Calamondin, Citrus citron, Citrus hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Sour and Sweet Orange, Pummelo, Satsuma mandarin, and other citrus fruit crop us Fruit Group	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Armillaria</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop -	Coffee	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Gibberella</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 9 -	Cucurbit Vegetables Group: Chayote (fruit), Chinese wax gourd (Chinese preserving melon), Citron melon, Cucumber, Cantaloupe, Edible Gourd (such as Chinese Okra, Cucuzza, Hechima, and Hyotan), Gherkin, Melon, Momordica spp. (such as Balsam apple, Balsam pear, Bitter melon, and Cucumber), Muskmelon, Pumpkin, Summer and Winter Squash (such as Acorn, Butternut, Calabaza, Crookneck, Hubbard, Scallop, Spaghetti, and Zucchini), Squash, Watermelon, Chinese Watermelon, and other cucurbit crops	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 8 -	Fruiting Vegetables Group: African eggplant, Bell pepper, Bush tomato, Cocona, Currant tomato, Eggplant, Garden huckleberry, Goji berry, Groundberry, Martynia, Naranjilla, Nonbell pepper, Okra, Pea eggplant, Pepino, Roselle, Scarlet eggplant, Sunberry, Tomatillo, and Tomato	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*] <i>Globodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Macrophomina</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 13-07 -	Berry and Small Fruit Crop Group: Grapes	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*] <i>Tylenchulus semipenetrans</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Botryosphaeria</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Phaeoemoniella</i> spp.[*] <i>Agrobacterium</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop -	Hemp	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Colletotrichum</i> spp.[*] <i>Alternaria</i> spp.[*] <i>Macrophomina</i> spp.[*] <i>Botrytis</i> spp.[*] <i>Verticillium</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 19 -	Herbs and Spices Group: Fresh and Dried Basil, Black Pepper, Chive, Celery seed, Dill seed, and other herbs and spices	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop -	Hops	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Phytophthora</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 13-07 -	Berry and Small Fruit Crop Group: Kiwi	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 4 -	Leafy Vegetables (Except Brassica Vegetables) Group: Lettuce, Celery, Spinach, Parsley, Radicchio, and other leafy vegetable crops including those grown for seed production	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Botrytis</i> spp.[*] <i>Sclerotinia</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 6 -	Legume Vegetables (Succulent or Dried): (Exclude Lentils and Soybeans) Beans, Snap beans, Garbanzo beans, Lima beans, Peas, Chick peas, Dried bean and pea (<i>Lupinus</i> spp., <i>Phaseolus</i> spp., <i>Vigna</i> spp., and <i>Pisum</i> spp.), and other legume vegetable crops including those grown for seed production	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 6 -	Legume Vegetables (Succulent or Dried): Lentils	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Colletotrichum</i> spp.[*] <i>Botrytis</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop -	Mint	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 20 -	Oilseed Group: (Excludes Cottonseed, Peanut, and Soybeans) Canola, Castor, Flax, Palm, Olive, Rapeseed, Safflower, Sesame, Sunflower, and other oil seed crops	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 3 -	Bulb Vegetables (<i>Allium</i> spp.) Group: Onion, Garlic, Shallots, and other bulb vegetables including those grown for seed production	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Botrytis</i> spp.[*] <i>Sclerotinia</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop -	Ornamental Flowers	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Agrobacterium</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop -	Peanut	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Belonolaimus</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Aspergillus</i> spp.[*] <i>Theilaviopsis</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 23 -	Tropical and Subtropical Fruit, Edible Peel Group: Olive and Palm Tree	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*] <i>Hemicriconemoides</i> [*] <i>Rotylenchulus</i> [*] <i>Tylenchulus</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Sclerotinia</i> spp.[*] <i>Armillaria</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 24 -	Tropical and Subtropical Fruit, Inedible Peel Group: Papaya	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Sclerotinia</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 1 -	Root and Tuber Vegetables Group: Potato	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Alternaria</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Streptomyces</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 1 -	Root and Tuber Vegetables Group: (Exclude Potato, Sugar Beet, and Artichoke) Arracacha, Arrowroot, Bean and True Yam, Beets, Bitter and Sweet Cassava, Black and Spanish Salsify, Carrot, Celeriac (Celery Root), Chayote (Root), Chicory, Chufa, Dasheen (Taro), Edible Burdock, Edible Cana, Ginger, Ginseng, Green Beet, Horseradish, Leren, Oriental Radish, Parsnip, Radish, Rutabaga, Salsify (Oyster plant), Skirret, Sweet Potato, Tanier (Cocoyam), Turmeric, Turnip, Turnip-rooted Chervil, and Turnip-rooted Parsley, and other root and tuber vegetable crops	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 6 -	Legume Vegetables (Succulent or Dried): Soybeans	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Colletotrichum</i> spp.[*] <i>Peronospora</i> spp.[*] <i>Cercospora</i> spp.[*] <i>Diaporthe</i> spp.[*] <i>Botrytis</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 13-07 -	Berry and Small Fruit Crop Group: Strawberry	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Botrytis</i> spp.[*] <i>Sclerotinia</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 13-07 -	Berry and Small Fruit Crop Group: Blueberry	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Hemicycliophor</i> [*] <i>Helicotylenchus</i> [*] <i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*] <i>Mesocriconema</i> [*] <i>Xiphinema</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Cylindrocladium</i> spp.[*] <i>Armillaria</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 1 -	Root and Tuber Vegetables Group: Sugarbeet	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Sclerotinia</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop -	Sugarcane	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Colletotrichum</i> spp.[*] <i>Sporisorium</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop -	Tobacco	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*] <i>Globodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Verticillium</i> spp.[*] <i>Ceratocystis</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

Crop Group 14 -	Tree Nuts Group: Almond, Beech nut, Brazil nut, Butternut, Cashew, Chinquapin, Coconut, Filbert (hazelnut), Hickory nut, Macadamia nut, Pecan, Walnut, and other tree nuts crops	
Target Nematode	Target Plant Pathogens	Application Rate:
<i>Meloidogyne</i> [*] <i>Pratylenchus</i> [*] <i>Heterodera</i> [*]	<i>Rhizoctonia</i> spp.[*] <i>Fusarium</i> spp.[*] <i>Pythium</i> spp.[*] <i>Armillaria</i> spp.[*] <i>Phytophthora</i> spp.[*] <i>Verticillium</i> spp.[*]	1.43 - 5.71 oz/A 3 - 20 gal total solution

*Not registered for use in California.

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in a cool, dry place under low humidity. Avoid direct sunlight and avoid excess heat. Keep out of reach of children and animals. Store in original container only. Carefully open container. After partial use, replace lid of container and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal. In case of spill, avoid contact, isolate area, and keep out animals and unprotected persons. Confine spills. Call CHEMTREC (Transportation and Spills) at 1-800-424-9300. To confine spill, dike surrounding area or absorb with sand, cat litter or commercial clay. Place damaged package in a holding container. If a leaky container must be contained within another, mark the outer container to identify the contents.

Pesticide Disposal

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling

Nonrefillable Aluminized Bag/Pouch with Plastic Inner Lining in a Styrofoam Box: Nonrefillable container: Do not reuse or refill this container. Completely empty bag or pouch into formulation equipment, then offer for recycling if available, or dispose of empty bag or pouch in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Dispose of Styrofoam in a sanitary landfill.

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