



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

January 26, 2024

Micah Reynolds
Senior Managing Consultant
Ramboll
4245 North Fairfax Drive
Suite 700
Arlington, VA 22203

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Addition of
1) target pests to the existing crop use sites on Sublabel A, and 2) an alternate brand
name (SAORI) to Sublabels B and C
Product Name: PHC 25279
EPA Registration Number: 71771-14
EPA Receipt Date: 11/3/2023
Action Case Number: 00491547

Dear Mr Reynolds:

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

The alternate brand name SAORI has been added to the registration, and our records have been updated accordingly. 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. 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 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 statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 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 Michael Glikes of my team by phone at (202) 566-1461 or via email at glikes.michael@epa.gov.

Sincerely,

 Digitally signed by
ALAN REYNOLDS
Date: 2024.01.26
16:21:49 -05'00'

Alan Reynolds, Team Leader
Emerging Technologies Branch
Biopesticides and Pollution
Prevention Division (7511M)
Office of Pesticide Programs

Enclosure

PHC 25279 Master Label Index

Section A:.....Agricultural & Commercial Uses
 Section B:..... Commercial Seed Treatment
 Section C:Pre-Plant Seed Treatment
 Section D:... Bulk Product – For Re-packaging or Formulating Use Only

Section A. Agricultural & Commercial Uses**PHC 25279**

[Alternate Brand Name: OBRONA]

A Biochemical Pesticide [OPTIONAL TEXT: for foliar use] that:

[OPTIONAL TAG LINES – For use individually or in combination on labels: Is especially formulated for row crops; Improves stand establishment; Improves standability; Increases plant stamina and vigor; Plant Health Promoter; Enhances plant's resistance to fungal and bacterial diseases, Enhances crop growth, quality, and yield; Enhances growth; Yield enhancer]

Wettable Dry Granule**ACTIVE INGREDIENT:**

PDHP 25279 1.0%

OTHER INGREDIENTS:99.0%

Total:100.0%

EPA Reg. No. 71771-14

EPA Est. No. _____

KEEP OUT OF REACH OF CHILDREN**CAUTION
PRECAUCIÓN**

(See [(side)(back)] panel for additional precautionary statements and first aid.)

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle (If you do not understand the label, find someone to explain it to you in detail.)

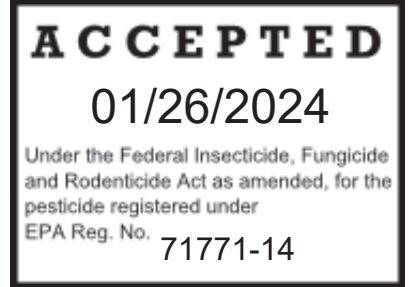
PLANT HEALTH CARE, INC.
242 South Main Street, Suite 216
Holly Springs, NC 27540
1-800-421-9051
www.planthealthcare.com

[Lot] [Batch] [No.] [Code]: _____

(Note to reviewer: Lot/batch number may be placed on the label or printed directly onto product packaging/container.)

NET WEIGHT: _____

Read the entire label before using this product. Read WARRANTY AND DISCLAIMER before buying or using. If terms are not acceptable, return at once unopened.



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if inhaled. Avoid breathing dust or spray mist. Remove and wash contaminated clothing before reuse.

FIRST AID	
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 mouth-to-mouth if possible.▪ Call a poison control center or doctor for further 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. For emergency medical treatment information, call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time, seven days a week. During other times, call the poison control center at 1-800-222-1222.	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes and socks.
- 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 the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. 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 wash waters 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), restricted-entry interval and notification to workers. The requirements in this box 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.

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.

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:

- Coveralls;
- Waterproof gloves; and
- Shoes and 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.

PRODUCT INFORMATION

PHC 25279 is a plant response-elicitor peptide based on a naturally occurring harpin protein. PHC 25279 reduces the incidence and severity of plant disease by eliciting the plant's own natural defense system, referred to as systemic acquired resistance (SAR). PHC 25279 has no direct effect on plant disease pathogens. Early applications of PHC 25279 prior to disease infection can delay or reduce disease severity resulting in improved fungicide activity. PHC 25279 is most effective when combined with fungicide programs having alternative modes of action. The plants' enhanced defense response due to the application of PHC 25279 adds to fungicide programs, leading to improved overall disease control.

[ALTERNATE TEXT: PHC 25279 stimulates the plant's natural growth and defense systems, enhancing overall plant health.] **[ALTERNATE TEXT:** PHC 25279 stimulates the natural growth and defense systems of crops, enhancing overall plant health.] **[ALTERNATE TEXT:** Healthier plants exhibit increased tolerance to stress and vigor, leading to one or more of the following benefits: increased plant growth, improved stand, and increased marketable yield.]

[ALTERNATE TEXT: PHC 25279 is a tool for use in Integrated Crop Management (ICM).] **[ALTERNATE TEXT:** It has no direct killing effect on pests. Product efficacy is based on its ability to activate the plant's own internal defense and growth mechanisms. PHC 25279 works best when used in conjunction with good crop management practices.]

GROWTH ENHANCEMENT AND MARKETABLE YIELD

Use PHC 25279 to enhance plant growth and quality and increase plant health and vigor to assist in the management of certain diseases and to enhance crop quality and marketable production.

SITES

Use PHC 25279 for greenhouse, shadehouse, nursery, and field production of all plants listed on this label.

COVERAGE

Use spray volume adequate to obtain coverage without runoff. Uniform or full leaf coverage is helpful but is not required.

DAYS TO HARVEST

PHC 25279 can be applied up to the day of harvest.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, PHC25279 contains a Group BM 02 fungicide/bactericide. Any fungal/bacterial population may contain individuals naturally resistant to other Group BM 02 fungicides/bactericides. A gradual or total loss of pest control may occur over time if these fungicides/bactericides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of PHC25279 or other Group BM 02 fungicides/bactericides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides/bactericides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide/bactericide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide/bactericide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal/bacterial populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact Plant Health Care at <https://www.planthealthcare.com/>. You can also contact your pesticide distributor or university extension specialist to report resistance.

USE PRECAUTIONS

USE PROMPTLY

Use product on the same day it is mixed with water and use opened packages within 3 weeks. Carefully reseal opened packages to minimize exposure to air and moisture.

TANK MIXING

Use in Mixtures: PHC 25279 is believed to be compatible with most other labeled pesticides, such as post-emergence herbicides, insecticides, acaricides, and fungicides, as well as most foliar nutritional products. To determine the physical compatibility of this product with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry flowables first, then flowables, and then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding products to the spray tank. Do not mix this product with any other product containing a label prohibition against such mixing. When tank mixing PHC 25279 with any other approved pesticide, always read and follow all use directions, restrictions, and precautions of both PHC 25279 and the tank mix partner(s). The resulting tank mix must be used in accordance with the most restrictive label limitations and precautions. Do not exceed label dosage rates. **[ALTERNATE TEXT:** If PHC 25279 cannot be put in the tank first, before adding it to the tank, slurry the PHC 25279 in a small amount of clean water and add the slurry to the tank.]

Glyphosate Herbicides: When tank mixing PHC 25279 with glyphosate for application on crops designated Roundup Ready®, only use formulations of glyphosate herbicide that are fully labeled for use on Roundup Ready® crops. Never spray this mixture on crops that are not designated Roundup Ready® as severe injury or death of the crop can occur. Some glyphosate formulations allow for the addition of surfactants. Please refer to the surfactant recommendations from the manufacturer.

Precautions: Do not use PHC 25279 in tank mixes or water below pH 5 or above pH 10. Do not mix this product with pyrophosphates, phosphoric acid, or other strong oxidizers.

Surfactants: Use only non-ionic adjuvants approved for use on growing crops.

[OPTIONAL TEXT: DILUTION WATER QUALITY

PHC 25279 MASTER LABEL US (Ag) – January 26, 2024 Amend Crops and Application Rates within Section A,
Agriculture & Commercial Uses.

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Language within parenthesis is optional. If parentheses are bracketed, one of the options within parenthesis must be chosen.

If dilution water is high in total mineral content, salinity, suspended solids and/or exhibits any other factors that reduce the solubility of PHC 25279, then first dissolve PHC 25279 in an appropriate volume of “clean water” such as municipal tap water. Pour the dissolved PHC 25279 solution into the dilution water for the spray (see step 1 of “Mixing Instructions”).]

[OPTIONAL TEXT: DILUTION WATER QUANTITY

If 1 ounce of PHC 25279 is diluted in more than 35 gallons of chlorinated water (e.g., municipal water), add a labeled water treatment product such as sodium sulfite, sodium bisulfite, or sodium metabisulfite to remove excess chlorine before adding PHC 25279. Consult your Plant Health Care representative if you need further directions on water treatment.]

RAIN

Do not apply during rain. Reapplication is not necessary if the spray has dried before rain begins.

STRESSED PLANTS

Plants must be actively growing at the time of foliar applications. Applications made to plants that are stressed by extreme heat, cold, moisture, or nutrient deficiency can be less effective.

SPRAY DRIFT

Avoiding spray drift at the application site is the responsibility of the applicator. The interactions of many equipment- and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering these factors when making decisions.

MIXING INSTRUCTIONS

Step 1. Fill at least one-half of the mix tank with clean water. Provide gentle agitation.

Step 2. **[OPTIONAL TEXT:** If 1 ounce of PHC 25279 is diluted in more than 35 gallons of chlorinated water, add a labeled dechlorination water treatment product (such as sodium sulfite, sodium bisulfite, or sodium metabisulfite) and continue gentle agitation (see Use Precautions on “Dilution Water Quantity”).]

Step 3. **[OPTIONAL TEXT:** If dilution water quality is suspect, dissolve PHC 25279 in clean water before adding to the mix tank (see Use Precautions on “Dilution Water Quality”).] Add the required amount of PHC 25279. Agitate until dissolved and avoid excessive foaming.

Step 4. If tank mixing, add other materials to the mix tank. Add remaining water to mix tank.

Step 5. Continue gentle agitation and apply promptly.

APPLICATION INSTRUCTIONS

Apply PHC 25279 as a pre-transplant foliar dip, root dip, or as a foliar application. **[ALTERNATE TEXT:** Apply PHC 25279 as a pre-transplant root dip or as a foliar application.]

Pre-Plant Dip: Apply PHC 25279 as a pre-plant foliar dip or root dip to vegetable crops (e.g., cucurbit and cole vegetables), ornamentals, tobacco, and small fruit crops at the rate of 1 – 3 oz per 100 gallons of water immediately prior to transplanting. **[ALTERNATE TEXT:** Apply PHC 25279 as a pre-plant foliar dip or root dip to bare root ornamentals at the rate of 2 – 4 oz per 100 gallons of water immediately prior to transplanting.] **[OPTIONAL TEXT:** Wash transplants to remove excess soil prior to dipping.] Completely immerse planting stock in solution. Dip, soak, or expose plants for a minimum of 2 to 5 minutes. DO NOT reuse dip solution. Dispose of dip solution according to local restrictions. Plant treated plants as quickly as possible. For continued crop management, follow with foliar applications of PHC 25279 as specified in the tables that follow. **[ALTERNATE TEXT:** For continued plant management, follow with foliar applications of PHC 25279 as specified in the sections that follow.]

Foliar Application: Apply PHC 25279 as a greenhouse or field application using conventional ground or aerial equipment. Use PHC 25279 to enhance plant growth and vigor, to increase marketable production, or as part of an integrated pest management (IPM) program to assist disease management.

[ALTERNATE TEXT:

- **LANDSCAPE PLANTS**, such as broadleaf and coniferous trees, fruit trees, palms, vines, shrubs, brambles, berries, ground covers, perennials, and annual ornamental plants: Once per month during the growing season, apply 2 oz of PHC 25279 per 50 gallons of water to landscape plants.
- **TURF**, such as public and private lawns and grounds, golf courses and greens, athletic fields, and parks: Once per month during the growing season, apply 2 oz of PHC 25279 per acre of turf. If using more than 70 gallons of chlorinated water (e.g., municipal water) per acre of turf, add a labeled dechlorinator (such as sodium sulfite, sodium bisulfite, or sodium metabisulfite) with water before adding PHC 25279.]

Application via Sprinkler or Drip (Trickle) Chemigation Systems:

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Language within parenthesis is optional. If parentheses are bracketed, one of the options within parenthesis must be chosen.

Apply this product only through sprinkler (including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move) and drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system. Crop injury and lack of effectiveness can result from non-uniform distribution of treated water. If you have questions about your system's calibration, you should contact State Extension Service Specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system. 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.

Sprinkler Chemigation System Requirements: 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 interlocking 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 that 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. Do not apply when wind speed favors drift beyond the area intended for treatment. Apply product continuously for the duration of the water application.

Drip (Trickle) Chemigation System Requirements: 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 interlocking 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 that 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. Apply product continuously for the duration of the water application.

CROPS AND APPLICATION RATES

Use the following tables to make decisions on application rates and timing. Follow applicable specifications for your crop.

GREENHOUSE AND TRANSPLANT APPLICATIONS

Use Site & Crop	Rate	Timing
Greenhouse: Any Crop Listed Elsewhere on This Label	1 – 3 oz per 100 gal water	Apply overhead applications after seedling emergence. Repeat every 14 – 21 days.
Transplant: Any Crop Listed Elsewhere on This Label	1 – 3 oz per 100 gal water	Apply 5 – 7 days before transplanting. Can also be applied as a plant drench at transplanting.

FOOD CROP APPLICATIONS

ARTICHOKE (GLOBE)			
DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing

Gray Mold (<i>Botrytis cinerea</i>) Powdery Mildew (<i>Erysiphe cichoracearum</i>) Ramularia Leaf Spot (<i>Ramularia cynarae</i>)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply as a foliar spray at 14-28-day intervals, beginning at new growth. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals in combination with fungicide programs.]
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AVOCADO			
DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Anthrachnose (<i>Colletotrichum</i> spp.) Cercospora Spot (<i>Cercospora purpurea</i>) Powdery Mildew (<i>Oidium</i> spp.)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply as a foliar spray at 14-28-day intervals, beginning at new growth. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals in combination with fungicide programs.]

BERRIES AND SMALL FRUITS (Crop Groups 13 and 13-07)			
Including, but not limited to, Amur river grape; Aronia berry; Bayberry; Bearberry; Bilberry; Blackberry (including bingleberry, black satin berry, boysenberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirkson thornless berry, Himalayaberry, hullberry, Lavacaberry, loganberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, nectaberry, olallaberry, Oregon evergreen berry, phenomenal berry, rangeberry, ravenberry, rossberry, Shawnee blackberry, youngberry, and varieties and/or hybrids of these), Blueberry; Buffalo currant, Buffaloberry; Che; Chilean guava; Chokecherry; Cloudberry; Cranberry; Currant (black and red); Elderberry; European barberry; Gooseberry; Highbush cranberry; Huckleberry; Jostaberry; Juneberry; Kiwifruit (fuzzy and hardy); Lingonberry; Maypop; Mulberry; Muntries; Partridgeberry; Phalsa; Pincherry; Raspberry (black and red); Riberry; Salal; Schisandra berry; Sea buckthorn; Serviceberry; Strawberry; and cultivars, varieties and/or hybrids of these.			
DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Anthrachnose (<i>Colletotrichum acutatum</i>) Colletotrichum Crown Rot (<i>Colletotrichum gloeosporioides</i>) Botrytis Fruit Rot / Grey Mold (<i>Botrytis cinerea</i>) Downy Mildew (<i>Peronospora sparsa</i>) Powdery Mildew (<i>Podosphaera aphanis</i> and <i>Podosphaera macularis</i>)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply at 14-day intervals while plants are actively growing, beginning in the greenhouse or nursery and after transplanting. [ALTERNATE TEXT: Begin applications when plants are established or 14 days after full leaf emergence. Repeat at 14- to 28-day intervals as needed in combination with fungicide programs.]

BRASSICA (COLE) LEAFY VEGETABLES (Crop Group 5)			
Including, but not limited to, Broccoli (all types); Brussels sprouts; Cabbage (all types); Cauliflower; Cavalo broccoli; Collards; Kale; Kohlrabi; Mizuna; Mustard greens; Mustard spinach and Rape greens.			
DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Botrytis Blight / Gray Mold Rot / Grey Mold (<i>Botrytis cinerea</i>) Downy Mildew (<i>Peronospora parasitica</i>) Powdery Mildew (<i>Erysiphe cruciferarum</i>) Sclerotinia Stem Rot / Watery Soft Rot (<i>Sclerotinia</i> spp.)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Begin applications at first new growth and repeat at 14-28 day intervals. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals in combination with fungicide programs.]

BULB VEGETABLES (Crop Group 3)			
Including Garlic; Leek; Onion (dry bulb and green); Onion (Welch); and Shallot; Cavalo broccoli; Collards; Kale; Kohlrabi; Mizuna; Mustard greens; Mustard spinach and Rape greens.			
DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Botrytis Leaf Blight / Botrytis Neck and Bulb Rot (<i>Botrytis</i> spp.) Downy Mildew (<i>Peronospora destructor</i>) Powdery Mildew (<i>Leveillula taurica</i> and <i>Erysiphe</i> spp.) Rust (<i>Puccinia allii</i>) White Rot (<i>Sclerotium cepivorum</i>)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Begin applications at first new growth and repeat at 14-28 day intervals. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals in combination with fungicide programs.]

CEREAL GRAINS (Crop Group 15) and FORAGE, FODDER AND STRAW OF CEREAL GRAINS (Crop Group 16)			
Including, but not limited to, Barley; Buckwheat; Corn; Millet, Pearl; Millet, Proso; Oats; Popcorn; Rice; Rye; Sorghum (milo); Teosinte; Triticale; Wheat; and Wild rice.			
FOR CORN: (Grain, Silage, Seed, or Pop)			
DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Common Rust (<i>Puccinia sorghi</i>) Gray Leaf Spot (<i>Cercospora zea-maydis</i>) Northern Corn Leaf Blight (<i>Exserohilum turcicum</i>) Southern Corn Leaf Blight (<i>Bipolaris maydis</i>) Tar Spot (<i>Phyllachora maydis</i>)	0.5 - 3	5 – 200 by ground. 2 – 50 by air.	Apply at V-3 to V-6 stage and / or V-T stage, [ALTERNATE TEXT: Begin foliar applications 5-7 days prior to disease infection in a tank mix or rotation with fungicides for enhanced disease control and yield increase. Can also be applied in a tank mix with the first post-emergent herbicide.]
FOR WHEAT: (Spring, Durum, or Winter)			
DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Powdery Mildew (<i>Blumeria graminis, syn Erysiphe graminis</i>) Leaf Rust / Brown Rust (<i>Puccinia triticina</i>) Stripe Rust / Yellow Rust (<i>Puccinia striiformis</i>) Stem Rust / Black Rust (<i>Puccinia graminis</i>)	0.5 – 3	5 – 200 by ground. 2 – 50 by air.	Spring and Durum Wheat: Apply at 3 -5 leaf and flag leaf in combination with fungicide programs. Winter Wheat: Apply beginning at new growth in the spring and at flag leaf [ALTERNATE TEXT Begin foliar applications in a tank mix or rotation with fungicides for enhanced disease control and yield increase. Can also be applied in a tank mix with the first post-emergent herbicide.]
FOR ALL OTHER CEREAL GRAINS			
DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing

Powdery Mildew (<i>Blumeria graminis</i> , <i>syn Erysiphe graminis</i>) Crown Rust (<i>Puccinia coronate</i>) Leaf Rust (<i>Puccinia hordei</i>) Stem Rust (<i>Puccinia graminis</i>) Stripe Rust (<i>Puccinia striiformis</i>)	0.5 – 3	5 – 200 by ground. 2 – 50 by air.	Apply at 3 -5 leaf and flag leaf in combination with fungicide programs [ALTERNATE TEXT: Apply beginning at new growth in the spring and at flag leaf in combination with fungicides for enhanced disease control and yield increase. Can also be applied in a tank mix with the first post-emergent herbicide.]
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CITRUS (Crop Group 10)

Including, but not limited to, Australian lime (Desert, Finger, Round); Brown river finger lime; Calamondin; Citron; Citrus hybrids; Grapefruit; Japanese summer grapefruit; Kumquat; Lemon; Mediterranean mandarin; Mount white lime; New Guinea wild lime; Orange, sour; Orange, sweet; Pummelo; Russell river lime; Satsuma mandarin; Sweet lime; Tachibana orange; Tahiti lime; Tangelo; Tangerine; Tangor; Trifoliate orange; Uniq fruit; and cultivars, varieties and/or hybrids of these.

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Alternaria Rot (<i>Alternaria citri</i>) Anthracnose (<i>Colletotrichum gloeosporioides</i>) Botrytis (<i>Botrytis cinerea</i>) Brown Rot (<i>Phytophthora spp.</i>)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply on a 14 to 28-day schedule beginning at First Leaf Flush. For tree establishment – Apply on 14-21 day schedule during active growth. For Fruit set and sizing apply at First Flush, Petal Fall and 30 days later or with 1st Summer Oil application. For retention and color apply at 30 and 15 days before harvest. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals repeat at 14-28 day intervals in combination with fungicide programs.]

COFFEE

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Cercospora Leaf Spot (<i>Cercospora coffeicola</i>) Coffee Leaf Rust (<i>Hemileia vastatrix</i>)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply as a foliar spray at 14-28-day intervals, beginning at new growth. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals in combination with fungicide programs.]

CURCUBIT VEGETABLES (Crop Group 9)

Including, but not limited to, Cantaloupe; Chayote; Chinese Waxgourd; Citron Melon; Cucumber; Gherkin; Gourd, Edible; Momordica (Includes Balsam Apple, Balsam Pear, Bitter Melon, Chinese Cucumber); Muskmelon (Includes True Cantaloupe, Cantaloupe; Casaba, Crenshaw Melon, Golden Pershaw Melon, Honeydew Melon, Honey Balls, Mango Melon, Persian Melon, Pineapple Melon, Santa Claus Melon, and Snake Melon); Pumpkin; Squash, Summer (Includes Crookneck, Scallop, Straightneck, and Vegetable Marrow, and Zucchini); Squash, Winter (Includes Acorn Squash, Butternut Squash, Calabaza, Hubbard Squash, and Spaghetti Squash); and Watermelon.

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
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<p>Anthracnose (<i>Colletotrichum orbiculare</i>, <i>C. lagenarium</i>) Downy Mildew (<i>Pseudoperonospora cubensis</i>) Gray Mold (<i>Botrytis cinerea</i>) Powdery Mildew (<i>Golovinomyces cucurbitacearum</i>, <i>Podosphaera xanthii</i> and <i>Leveillula taurica</i>) Sclerotinia Stem Rot (<i>Sclerotinia sclerotiorum</i>)</p>	1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply at 14- to 28-day intervals, beginning 7 days after new growth/new spring growth is initiated. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals in combination with fungicide programs.]
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FRUITING VEGETABLES (Crop Group 8, Except Cucurbits)

Including Eggplant; Ground Cherry; Pepino; Pepper (Bell, Chill, Cooking, Pimento, Sweet); Tomatillo; and Tomato.

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
<p>Anthracnose (<i>Colletotrichum truncatum</i>) Gray Mold (<i>Botrytis cinerea</i>) Downy Mildew (<i>Peronospora manshurica</i>) Late Blight (<i>Phytophthora infestans</i>) Powdery Mildew (<i>Erysiphe diffusa</i>) Sclerotinia Stem Rot \ White Mold (<i>Sclerotinia sclerotiorum</i>)</p>	1 – 3	10 – 200 by ground. 2 – 50 by air.	Begin applications at first new growth and repeat at 14-28 day intervals. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals in combination with fungicide programs.]

GRAPE

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
<p>Botrytis Bunch Rot (<i>Botrytis cinerea</i>) Downy Mildew (<i>Plasmopara viticola</i>) Powdery mildew (<i>Erysiphe necator</i>) Sour Rot / Summer Bunch Rot (<i>Aspergillus carbonarius</i>, <i>Aspergillus niger</i>, <i>Botrytis cinerea</i>)</p>	1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply at pre-bloom, post bloom, berry touch and veraison Under moderate to heavy disease pressure, alternate or tank mixing with other products. [Alternate text: Begin foliar applications at 14- to 35-day intervals, beginning at 3 to 6 inch shoot prior to disease infection in a tank-mix with fungicides or in intervals in combination with fungicide programs for enhanced disease control and yield increase.]

HERBS AND SPICES (Crop Group 19)

Including, but not limited to, Allspice; Angelica; Anise; Basil; Chamomile; Caraway; Cardamom; Catnip; Celery Seed; Chive; Cinnamon; Cloves; Cocoa; Coriander; Cilantro; Cumin; Curry; Dill; Fennel; Horehound; Lavender; Lemongrass; Marjoram; Mint; Mustard; Nutmeg; Parsley (all types); Pepper; Poppy Seed; Rosemary; Saffron; Sage; Savory; Tarragon; Thyme; Vanilla; Wintergreen; and Wormwood.

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
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Downy Mildew (<i>Peronospora belbahrii</i>) Powdery Mildew (<i>Golovinomyces cichoracearum</i>)	0.5 – 3	10 – 200 by ground. 2 – 50 by air.	Begin applications at first new growth and repeat at 14-28 day intervals. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals in combination with fungicide programs.]
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HOPS			
DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Hop Downy Mildew (<i>Pseudoperonospora humuli</i>) Powdery Mildew (<i>Podosphaera macularis</i>)	0.5 – 3	10 – 200 by ground. 2 – 50 by air.	Begin applications at first new growth and repeat at 14-28 day intervals. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals in combination with fungicide programs.]

LEAFY VEGETABLES – EXCEPT BRASSICA VEGETABLES (Crop Group 4)			
Including, but not limited to, Amaranth, Leafy, Chinese Spinach; Arugula; Cardoon; Celery; Celery, Chinese; Celtuce; Chervil; Chrysanthemum, Edible-Leaved, Garland; Corn Salad; Cress, Garland, Upland; Dandelion; Dock (Sorrel); Endive; Fennel, Florence; Lettuce, Head and Lettuce; Orach; Parsley; Purslane, Garden, Winter; Radicchio (Red Chicory); Rhubarb; Spinach; Spinach, New Zealand and Vine; and Swiss Chard.			
DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Anthraxnose (<i>Colletotrichum dematium</i> and <i>Microdochium panattonianum</i>) Botrytis Crown Rot / Grey Mold (<i>Botrytis cinerea</i>) Downy Mildew (<i>Peronospora farinose</i> and <i>Bremia lactucae</i>) Early Blight (<i>Cercospora</i> spp.) Lettuce Drop, Pink Rot, White Mold (<i>Sclerotinia</i> spp.) Powdery Mildew (<i>Golovinomyces cichoracearum</i>)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Begin applications at first new growth and repeat at 14-28 day intervals. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals in combination with fungicide programs.]

LEGUME VEGETABLES – SUCCULENT OR DRIED (Crop Group 6)			
Including, but not limited to, Bean (Includes Grain Lupin, Sweet Lupin, White Lupin, and White Sweet Lupin); Bean (Includes Field, Kidney, Lima, Navy, Pinto, Runner, Snap, Tepary, and Wax); Bean (Includes Adzuki bean, Asparagus Bean, Blackeyed Pea, Catjang, Chinese Longbean, Cowpea, Crowder Pea, Moth Bean, Mung Bean, Rice Bean, Southern Pea, Urd Bean, and Yardlong Bean); Broad Bean; Chickpea (Garbanzo Bean); Guar; Jackbean; Lablab Bean; Lentil; Pea (Includes Dwarf Pea, Edible-Pod Pea, English Pea, Field Pea, Garden-Pea, Green Pea, Snow Pea, and Sugar Snap Pea); Pigeon Pea; Soybean; Soybean (immature seed); and Sword Bean.			
FOR SOYBEAN:			
DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing

Anthracnose (<i>Colletotrichum truncatum</i>) Asian Soybean Rust (<i>Phakopsora pachyrhizi</i>) Brown Spot (<i>Septoria glycines</i>) Downy Mildew (<i>Peronospora manshurica</i>) Frogeye Leaf Spot (<i>Cercospora sojina</i>) Powdery Mildew (<i>Erysiphe diffusa</i>) Target Spot (<i>Corynespora cassicola</i>) Sclerotinia Stem Rot / White Mold (<i>Sclerotinia sclerotiorum</i>)	0.5 – 3	10 – 200 by ground. 2 – 50 by air.	Begin applications at V3 to V5 or prior to disease development, whichever is earlier. Repeat applications on a 10- to 21-day spray interval if disease monitoring or environmental factors indicate favorable conditions for continued disease development. Use of the higher rates and shorter spray intervals are recommended when disease pressure is severe. [ALTERNATE TEXT: Begin foliar applications in a tank mix or rotation with fungicides for enhanced disease control and yield increase. Can also be applied in a tank mix with the first post-emergent herbicide.]
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FOR ALL OTHER LEGUMES

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Anthracnose (<i>Colletotrichum truncatum</i>) Downy Mildew (<i>Peronospora manshurica</i>) Gray Mold (<i>Botrytis cinerea</i>) Powdery Mildew (<i>Erysiphe diffusa</i>) Sclerotinia Stem Rot / White Mold (<i>Sclerotinia sclerotiorum</i>)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Begin applications at first new growth and repeat at 14-28 day intervals. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals in combination with fungicide programs.]

NON-GRASS ANIMAL FEEDS – FORAGE, FODDER, STRAW AND HAY (Crop Group 18)

Including, but not limited to, Alfalfa; Bean, Velvet; Clover; Kudzu; Lespedeza; Lupin; Sainfoin; Trefoil; Vetch; Vetch, Crown, Vetch, Milk.

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Anthracnose (<i>Colletotrichum</i> spp.) Downy Mildew (<i>Peronospora</i> spp. including <i>trifoliorum</i>) Powdery Mildew (<i>Erysiphe</i> spp.) Sclerotinia Stem and Crown Rot / Sclerotinia Wilt / White Mold (<i>Sclerotinia sclerotiorum</i> and <i>Sclerotinia trifoliorum</i>)	0.5 – 3	10 – 200 by ground. 2 – 50 by air.	Begin applications at first new growth and repeat at 14-28 day intervals. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals in combination with fungicide programs.]

OILSEED (Crop Group 20)

Including, but not limited to, Cottonseed; Flax Seed; Jojoba; Milkweed; Mustard Seed; Niger Seed; Poppy Seed; Rapeseed (canola varieties only); Safflower; Sesame; Sunflower.

FOR COTTON

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
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Areolate Mildew (<i>Ramularia gossypii</i>) Anthracnose / Boll Rot (<i>Glomerella gossypii</i> and <i>Colletotrichum gossypii</i>) Leaf Spot (<i>Cercospora gossypina</i> , <i>Mycosphaerella gossypina</i>) Southwestern Cotton Rust (<i>Puccinia cacabata</i>) Target Spot (<i>Corynespora cassiicola</i>)	0.5 – 3	10 – 200 by ground. 2 – 50 by air.	Apply at first true leaf, first bloom, and 21 days after first bloom to boost overall growth and production. For suppression of pests, begin applications prior to infestation and repeat at 21-day intervals. [ALTERNATE TEXT: When used applied with post emergence herbicides, apply prior to the 5-leaf cotton growth stage. Continue applications prior to infestation and repeat at 21-day intervals in combination with fungicide programs.]
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DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
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FOR CANOLA

Downy Mildew (<i>Peronospora parasitica</i> = <i>Hyaloperonospora brassicae</i>) Gray Mold (<i>Botrytis cinerea</i>) Powdery Mildew (<i>Erysiphe cruciferarum</i>) Sclerotinia Stem Rot or White Mold (<i>Sclerotinia sclerotiorum</i>)	0.5 – 3	10 – 200 by ground. 2 – 50 by air.	Apply at bolting and 20% flowering. [ALTERNATE TEXT: When used applied with post emergence herbicides, apply prior to the 6-leaf canola growth stage. All applications can be in combination with fungicide programs.]
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DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
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FOR SUNFLOWER

Downy Mildew (<i>Plasmopara halstedii</i>) Powdery Mildew (<i>Erysiphe cichoracearum</i>) Rust (<i>Puccinia helianthi</i>) Sunflower Rust (<i>Puccinia helianthin</i>) Sclerotinia Heat and Stem Rot (<i>Sclerotinia sclerotiorum</i>)	0.5 – 3	10 – 200 by ground. 2 – 50 by air.	Apply the first application between stage V-6 to V-8 and repeat when the terminal bud forms (R1 stage). [ALTERNATE TEXT: Apply the first application between stage V-6 to V-8 and repeat when the terminal bud forms (R1 stage). All applications can be in combination with fungicide programs]
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DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
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FOR ALL OTHER OILSEEDS

Cercospora Leaf Spot (<i>Cercospora brassicicola</i>) Downy Mildew (<i>Peronospora parasitica</i>) Sclerotinia Stem Rot (<i>Sclerotinia sclerotiorum</i>)	0.5 – 3	10 – 200 by ground. 2 – 50 by air.	Begin applications at first new growth and repeat at 14-28 day intervals. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals in combination with fungicide programs.]
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PEANUT

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
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Aspergillus Crown Rot (<i>Aspergillus niger</i> and <i>A. arachidicola</i>) Early Leaf Spot (<i>Cercospora arachidicola</i>) Peanut Rust (<i>Puccinia arachidis</i>) Sclerotinia Blight (<i>Sclerotinia sclerotium</i>)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply as a foliar spray at 14-28-day intervals, beginning at new growth. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals in combination with fungicide programs.]
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POME FRUIT (Crop Group 11) (Bearing and Non-Bearing)

Including, but not limited to, Apple; Azarole; Crabapple; Loquat; Mayhaw; Hook & Arm; Medlar; Pear; Pear, Asian; Quince; Quince, Chinese and Japanese; Tejocote; and Cultivars, Varieties, and/or Hybrids of these.

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Fire Blight (<i>Erwinia amylovora</i>) Gray Mold (<i>Botrytis cinerea</i>) Powdery Mildew (<i>Podosphaera leucotricha</i>)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply at pink bud, petal fall, 30 and 7 days prior to harvest [ALTERNATE TEXT: Apply at 21- to 35-day intervals, beginning before bloom initiation in combination with fungicide programs.]

POTATO (Including Seed Production)

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Black Dot (<i>Colletotrichum coccodes</i>) Botrytis Blight / Grey Mold (<i>Botrytis cinerea</i>) Late Blight (<i>Phytophthora infestans</i>) Powdery Mildew (<i>Golovinomyces cichoracearum</i>) White Mold / Sclerotinia Stem Rot (<i>Sclerotinia sclerotiorum</i>)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply at tuber initiation. Repeat applications as needed every 14-28 days in combination with fungicide programs. [ALTERNATE TEXT: Apply at tuber initiation. Repeat applications as needed every 14-28 days in combination with fungicide programs.]

ROOT AND TUBER VEGETABLES (Crop Group 1)

Including, but not limited to, Arracacha; Arrowroot; Artichoke, Chinese and Jerusalem; Beet, Garden and Sugar; Burdock, Edible; Canna, Edible; Carrot; Cassava, Bitter and Sweet; Celeriac (Celery Root); Chayote (Root); Chervil, Turnip-Rooted; Chicory; Chufa; Dasheen (Taro); Ginger; Ginseng; Horseradish; Leren; Parsley, Turnip-Rooted; Parsnip; Radish; Radish, Oriental; Rutabaga; Salsify; Salsify, Black and Spanish; Skirret; Sweet Potato; Tanier; Turmeric; Turnip; Yam (all types).

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Black Dot (<i>Colletotrichum coccodes</i>) Botrytis Blight / Grey Mold (<i>Botrytis cinerea</i>) Cercospora Leaf Spot (<i>Cercospora beticola</i>) Downy Mildew (<i>Peronospora farinose</i>) Powdery Mildew (<i>Erysiphe betae</i>) White Mold (<i>Sclerotinia sclerotiorum</i>)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply the first application prior to disease infection, then repeat applications in combination with the normal fungicide program. [ALTERNATE TEXT: Apply after complete emergence during vegetative growth phase in combination with fungicide programs.]

STONE FRUIT (Crop Group 12)

Including, but not limited to, Apricot; Apricot, Japanese; Capulin; Cherry (Black, Nanking, Sweet, and Tart); Jujube, Chinese; Nectarine; Peach; Plum (American, Beach, Canada, Cherry, Chickasaw, Damson, Japanese, Klamath, and Prune); Plumcot; Sloe; Cultivars, Varieties, and/or Hybrids of these.

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
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Botrytis Blossom Blight (<i>Botrytis cinerea</i>) Brown Rot Blossom / Twig Blight (<i>Monilinia fructicola</i> , <i>M. laxa</i>) Jacket Rot (<i>Botrytis cinerea</i> , <i>Monilinia fructicola</i> , <i>M. laxa</i> , and <i>Sclerotinia sclerotiorum</i>) Powdery Mildew (<i>Podosphaera cerasi</i> , <i>P. tridactyla</i> , <i>Sphaerotheca pannosa</i>) Ripe Fruit Rot (<i>Botrytis cinerea</i> and <i>Monilinia fructicola</i>)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply 2 pre-bloom sprays, once at new growth and again 7 – 10 days later. Follow with post-bloom sprays at 21-day intervals. [ALTERNATE TEXT: Apply at 21- to 35-day intervals, beginning before bloom initiation in combination with fungicide programs.] For peaches, apply at pit hardening and again 21 days later.
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SUGARCANE

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Brown Rust (<i>Puccinia melanocephala</i>) Orange Rust (<i>Puccinia kuehnii</i>) Red Rot (<i>Colletotrichum falcatum</i>)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply after new growth commences. Repeat at 28- to 35-day intervals as needed in combination with fungicide programs.

TOBACCO – All Types

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Frogeye Leaf Spot (<i>Cercospora nicotianae</i>) Blue Mold (<i>Peronospora hyoscyami</i>)	0.5 – 3	10 – 200 by ground. 2 – 50 by air.	Apply at 14-day intervals, beginning 7 days after transplanting through harvest. [ALTERNATE TEXT: Begin applications when plants are established. Repeat at 21- to 28-day intervals as needed in combination with fungicide programs.]

TREE NUTS (Crop Group 14)

Including, but not limited to, African Nut-Tree; Almond; Beechnut; Brazil Nut; Brazilian Pine; Bunya; Bur Oak; Butternut; Cajou Nut; Candlenut; Cashew; Chestnut; Chinquapin; Coquito Nut; Dika Nut; Ginkgo; Guiana Chestnut; Hazelnut (Filbert); Heartnut; Hickory Nut; Japanese Horse-Chestnut; Macadamia Nut; Mongongo Nut; Monkey-Pot; Monkey Puzzle Nut; Okari Nut; Pachira Nut; Peach Palm Nut; Pecan; Pequi; Pili Nut; Pine Nut; Pistachio; Sapucaia Nut; Tropical Almond; Walnut, Black; Walnut, English; Yellowhorn; Cultivars, Varieties, and/or Hybrids of these.

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Anthracnose (<i>Colletotrichum gloeosporioides</i>) Brown Rot Blossom Blight (<i>Monilinia laxa</i> and <i>Monilinia fructicola</i>) Downy Mildew (<i>Bremia</i> , <i>Peronospora</i> , <i>Pseudoperonospora</i>) Green Fruit rot / Jacket Rot (<i>Botrytis cinerea</i> , <i>Monilinia laxa</i> , and <i>Sclerotinia sclerotiorum</i>) Hull Rot (<i>Rhizopus stolonifer</i> and <i>Monilinia</i> spp.) Powdery Mildew (<i>Microsphaera</i> spp.)	1 – 3	10 – 200 by ground. 2 – 50 by air.	FOR ALMONDS Apply at pink bud, early leaf out, after pit hardening, hull split and post-harvest while leaves are still present. [Alternate text: Apply at 14- to 35-day intervals, beginning at pink bud in combination with fungicide programs.] FOR WALNUTS Apply at leaf out, after flowering, at shell and kernel development (approx. 30-45 days after flowering), 14-28 days after kernel development and post-harvest while leaves are still present. [Alternate text: Apply at 14- to 35-day intervals, beginning at leaf out in combination with fungicide programs.]

			<p>FOR OTHER TREE NUTS</p> <p>Apply at leaf out, after flowering, at shell and kernel development (approx. 30-45 days after flowering), 14-28 days after kernel development and post-harvest while leaves are still present. [Alternate text: Apply at 14- to 35-day intervals, beginning at leaf out in combination with fungicide programs.]</p>
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TROPICAL AND SUBTROPICAL FRUIT (Crop Groups 23 and 24)

Including, but not limited to, Acai; Acerola; Banana; Bayberry, Red; Breadnut; Carob; Cherimoya; Date; Feijoa; Fig; Gooseberry; Guava; Jujube, Indian; Lychee; Mango; Monkeyfruit; Olive; Papaya, Passionfruit; Persimmon; Pineapple; Plantain; Pomegranate; Prickly Pear; Starfruit; Tamarind; and Cultivars, Varieties, and Hybrids of these commodities.

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Anthracnose \ Fruit and Stem-End Rots (<i>Colletotrichum gloeosporioides</i>) Aspergillus Rot (<i>Aspergillus flavus</i> , <i>Aspergillus niger</i> , <i>Aspergillus parasiticus</i> , and <i>Aspergillus</i> spp.) Botrytis Limb Blight / Gray Mold/Botrytis Fruit Rot (<i>Botrytis cinerea</i>)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Begin applications at first new growth and repeat at 14-28 day intervals. [ALTERNATE TEXT: Begin applications at first new growth and repeat at 14-28 day intervals in combination with fungicide programs.]

PRE-HARVEST APPLICATIONS FOR POST-HARVEST BENEFITS

Crop	Rate (Oz/Acre)	Dilution (Gal/Acre)	Timing
Any Crop and Disease Listed Elsewhere on This Label	1 – 3	20 – 200 by ground. 2 – 50 by air.	Apply 1 – 14 days before harvest. If no previous applications of PHC 25279 have been made, use higher rates.

NON FOOD CROP APPLICATIONS

BEDDING PLANTS

Including, but not limited to, Ageratum, Algerian Ivy, Alyssum, Anthurium, Artemisia, Aster, Baby's Breath, Begonia, Caladium, Carnation, Chrysanthemum, Coleus, Columbine, Daisy, Delphinium, Easter Lily, English Ivy, Foxglove, Gaillardia, Geranium, Gloxinia, Impatiens, Marigold, Pansy, Petunia, Phlox, Pinks, Poinsettia, Primrose, Prostrate Rosemary, Salvia, Snapdragon, Verbena, Vinca, and Zinnia.

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
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Cottony Rot (<i>Sclerotinia sclerotiorum</i>) Downy Mildew (<i>Bremia</i> spp., <i>Peronospora</i> spp. and <i>Plasmopara</i> spp.) Gray Mold (<i>Botrytis cinerea</i>) Powdery Mildew (<i>Erysiphe</i> spp., <i>Golovinomyces</i> spp., <i>Leveillula</i> (<i>Oidiopsis</i>) <i>taurica</i> , <i>Oidium</i> spp., <i>Podosphaera</i> spp.) Rust (<i>Puccinia</i> spp.)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply at 14 to 21-day intervals, beginning 7 days after transplant and/or potting / repotting or once plants have initiated bud / leaf or fully leafed out. For roses, begin applications 7 days after grafted cuttings are planted and continuing at 14 to 21-day intervals. [ALTERNATE TEXT: Begin applications when plants are established. Repeat at 21- to 28-day intervals as needed in combination with fungicide programs.]
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CONIFERS AND TREES IN COMMERCIAL NURSERIES, PLANTATIONS, FORESTS, LANDSCAPES AND PARKS

Including, but not limited to, Christmas trees, Douglas fir, Oaks, Pines, Spruce.

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Gray Mold (<i>Botrytis cinerea</i>)	1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply after complete emergence. [ALTERNATE TEXT: Begin applications when plants are established. Repeat at 21- to 28-day intervals as needed in combination with fungicide programs.]

GRASSES GROWN FOR SEED

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Crown Rust (<i>Puccinia coronate</i>) Leaf Rust / Brown Rust (<i>Puccinia</i> spp.) Fescue Rust (<i>Puccinia crandallii</i>) Powdery Mildew (<i>Blumeria graminis</i>) Stem Rust (<i>Puccinia graminis</i>) Stripe Rust (<i>Puccinia striiformis</i>)	0.5 – 3	10 – 200 by ground. 2 – 50 by air.	Apply at 21-day intervals, beginning 14 days after full emergence in combination with fungicide programs.

GRASS FORAGE, FODDER, AND HAY (Crop Group 17)

Including, but not limited to bermuda grass, bluegrass and bromegrass or fescue. Any grass, Gramineae family (either green or cured) except sugarcane and those included in the cereal grains group, that will be fed to or grazed by livestock, all pasture and range grasses and grasses grown for hay or silage.

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
Crown Rust (<i>Puccinia coronate</i>) Leaf Rust / Brown Rust (<i>Puccinia</i> spp.) Fescue Rust (<i>Puccinia crandallii</i>) Powdery Mildew (<i>Blumeria graminis</i>) Stem Rust (<i>Puccinia graminis</i>) Stripe Rust (<i>Puccinia striiformis</i>)	0.5 – 3	10 – 200 by ground. 2 – 50 by air.	Begin applications when plants are established or 14 days after full emergence. Repeat at 28- to 35-day intervals in combination with fungicide programs.

ORNAMENTALS

Including, but not limited to, Aglaonema, Aphelandra, Arborvitae, Ash, Azaleas, Bougainvillea, Boxwood, Cattleya skinneri, Cedars, Ceanothus, Cotoneaster, Cissus, Dieffenbachia, Dogwood, Ferns,

Ficus, Flowering Trees, Hibiscus, Hard Wood Trees, Holly, Home Lawns, Juniper, Magnolia Trees, Maple, Pines, Oaks, Palms, Peperomia, Photinia, Pittosporum, Philodendron, Pieris, Pothos, Redwoods, Rhododendron, Roses, Schefflera, Sedum, Sempervivum, Shrubs, Spathiphyllum, Sycamore, Taxus media, Zygocactus.

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
<p><i>Cottony Rot (Sclerotinia sclerotiorum)</i> <i>Downy Mildew (Bremia sp., Peronospora spp. and Plasmopara spp.)</i> <i>Gray Mold (Botrytis cinerea)</i> <i>Powdery Mildew (Erysiphe spp., Golovinomyces spp., Leveillula (=Oidiopsis) taurica, Oidium sp., Podosphaera spp.)</i> <i>Rust (Puccinia spp.)</i></p>	1 – 3	<p>10 – 200 by ground. 2 – 50 by air.</p>	<p>Apply at 14 to 21-day intervals, beginning 7 days after transplant and / or potting / repotting or once plants have initiated bud / leaf or fully leafed out. For roses, begin applications 7 days after grafted cuttings are planted and continuing at 14 to 21-day intervals. [ALTERNATE TEXT: Begin applications prior to first bloom. Repeat at 21- to 28-day intervals in combination with fungicide programs.]</p>

TURF

Including, but not limited to, turf grasses on sod farms and lawns, commercial turf production, golf courses (including tees and greens), parks and commercial landscapes.

DISEASE	RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
<p><i>Anthraxnose (Colletotrichum graminicola)</i> Dollar Spot (<i>Sclerotinia homeocarpa</i>) Powdery Mildew (<i>Erysiphe graminis</i>) Rust (<i>Puccinia coronata</i>, <i>Puccinia graminis</i>, and <i>Puccinia striiformis</i>)</p>	0.5 – 3	<p>10 – 200 by ground. 2 – 50 by air.</p>	<p>Begin applications when plants are established or 14 days after full emergence. Repeat at 28- to 35-day intervals in combination with fungicide programs.</p>

FOLIAR NUTRIENT APPLICATIONS

Crop	Rate (Oz/Acre)	Dilution (Gal/Acre)	Timing and Use with Foliar Fertilizer
Any Crop Listed Elsewhere on This Label	1 – 3	<p>5 – 200 by ground. 2 – 50 by air.</p>	Apply with foliar fertilizer applications at a rate of 1 oz PHC 25279 per 5 lb foliar fertilizer.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Keep product away from exposure to air, sunlight, moisture, or heat. Do not store in temperatures over 110°F for more than 7 days. Use product within 3 weeks of opening and the same day as mixing.

PESTICIDE DISPOSAL

Wastes resulting from 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 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.

WARRANTY AND DISCLAIMER

PHC 25279 MASTER LABEL US (Ag) – January 26, 2024 Amend Crops and Application Rates within Section A, Agriculture & Commercial Uses.

EPA Reg. No. 71771-14

Language within parenthesis is optional. If parentheses are bracketed, one of the options within parenthesis must be chosen.

CONDITIONS OF SALE AND EXCLUSIVE WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop **[ALTERNATE TEXT: Plant]** injury, ineffectiveness of the product, or other unintended consequences may result because of such factors as horticultural practices, use with other products (unless otherwise expressly provided in the Directions for Use of this product), presence of other materials, the manner of use or application, and various environmental conditions, including but not limited to weather conditions and moisture conditions. To the extent consistent with applicable law, all of the aforementioned risks are beyond the control of Plant Health Care, Inc. and the Buyer shall assume all such risks.

EXCLUSIVE WARRANTIES

Plant Health Care, Inc. warrants that, at the time of first sale of this product, it conforms to the chemical description on this label and, under normal conditions, is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. To the extent consistent with applicable law, if this product does not perform as warranted above, customer's sole remedy for breach of that warranty shall be replacement of the product or refund of the purchase price paid, at the option of Plant Health Care, Inc. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING BUT NOT LIMITED TO WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND SATISFACTORY QUALITY.**

LIMITATION OF LIABILITY

To the extent consistent with applicable law, Plant Health Care, Inc. excludes for itself and its suppliers any liability, whether based in contract or tort (including negligence), for incidental, consequential, indirect, special, or punitive damages of any kind, or for loss of revenue or profits, loss of business, or crop **[ALTERNATE TEXT: plant]** injury arising out of or in connection with the sale, use, injury, performance, or failure of this product, even if Plant Health Care, Inc. or its authorized reseller has been advised of the possibility of such damages, and limits its liability to replacement of the product or a refund of the purchase price paid, at the option of Plant Health Care, Inc. This disclaimer of liability for damages will not be affected if any remedy provided by this label fails of its essential purpose.

ASSUMPTION OF RISK

To the extent consistent with applicable law, Buyer and User of this product assume the risk of any use contrary to the Directions for Use and/or all of the risks inherent in the use of the product as set forth above. Plant Health Care, Inc. offers this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Exclusive Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Plant Health Care, Inc.

PROMPT NOTICE OF CLAIM

Plant Health Care, Inc. must have prompt notice as soon as Buyer or User has reason to believe they may have a claim (not to exceed twenty-one days from the date of application) so that an inspection of the affected property and growing crops **[ALTERNATE TEXT: plants]** may be made. To the extent consistent with applicable law, unless Buyer and User promptly notify Plant Health Care, Inc. of any claims, they shall be barred from obtaining any remedy.

TANK MIXES

To the extent consistent with applicable law, tank mixing or use of this product with any other product, which is not specifically and expressly authorized by this label, shall be the exclusive risk of User, Applicator, and/or Application Advisor. Read and follow the entire label of each product to be used in a tank mix with this product.

© 20XX Plant Health Care, Inc. Always read and follow label instructions before buying or using this product. Roundup Ready® is a registered trademark of Monsanto Technology LLC.

[BARCODE]

XX.XXXX PHC 25279 US Ag

PHC 25279[®]

[Alternate Brand Name: SAORI[®]]

A Biochemical Pesticide for Seed Treatment that:

[OPTIONAL TAG LINES – For use individually or in combination on labels: A biochemical pesticide seed treatment for yield enhancement; Increases root mass, plant stamina and vigor; Enhances yield; Yield enhancer; Improves standability; Increases plant stamina and vigor; Plant Health Promoter; Activates plant growth and defense systems; Enhances plant’s resistance to fungal and bacterial diseases; Increases Root Mass; Enhances plant health; Facilitates Integrated Pest Management Programs.]

FOR USE ONLY BY COMMERCIAL SEED TREATMENT FACILITIES

Wettable Dry Granule

ACTIVE INGREDIENT:

PDHP 252791.0%

OTHER INGREDIENTS:99.0%

Total:100.0%

EPA Reg. No. 71771-14

EPA Est. No. _____

KEEP OUT OF REACH OF CHILDREN

CAUTION

(See [(side)(back)] panel for additional precautionary statements and first aid.)

PLANT HEALTH CARE, INC.
242 South Main Street, Suite 216
Holly Springs, NC 27540
1-800-421-9051
www.planthealthcare.com

[Lot] [Batch] [No.] [Code]: _____

(Note to reviewer: Lot/batch number may be placed on the label or printed directly onto product packaging/container.)

NET WEIGHT: _____

Read the entire label before using this product. Read WARRANTY AND DISCLAIMER before buying or using. If terms are not acceptable, return at once unopened.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if inhaled. Avoid breathing dust or spray mist. Remove and wash contaminated clothing before reuse.

FIRST AID	
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 mouth-to-mouth if possible. ▪ Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment information, call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time, seven days a week. During other times, call the poison control center at 1-800-222-1222.</p>	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes and socks.
- 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 the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

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

ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment wash waters 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.

PRODUCT INFORMATION

GROWTH ENHANCEMENT AND IMPROVED PLANT IMMUNE SYSTEM

Use PHC 25279 to increase plant health and vigor, enhance the plant's resistance to fungal and bacterial diseases, increase root mass and enhance crop quality and production.

USE PRECAUTIONS

MIXING WITH OTHER SEED TREATMENT PRODUCTS

Read and follow the entire label of each product to be used in combination with this product. PHC 25279 is believed to be compatible with most other labeled pesticides. To determine the physical compatibility of this product with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry flowables first, then flowables, and then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding products to the seed treatment equipment.

USE PROMPTLY

Use product within 24 hours after it is mixed with water and use opened packages within 3 weeks. Carefully reseal opened packages to minimize exposure to air and moisture.

MIXING INSTRUCTIONS

Mix PHC 25279 as follows:

- Step 1.** Mix the required amount of PHC 25279 with water or other water-based materials directly into the mix tank, or initially in a separate container, and provide agitation.
- Step 2.** Agitate until dissolved and avoid excessive foaming.
- Step 3.** When tank mixing, add other materials to the mix tank in the order determined appropriate based on compatibility testing.
- Step 4.** Continue to agitate until dissolved and avoid excessive foaming.
- Step 5.** Promptly apply seed treatment mixture to seed.

APPLICATION INSTRUCTIONS

Apply PHC 25279 commercial seed treatment to seed using application rates specified for the crops listed below. Mix PHC 25279 with other commercial seed treatments, as needed, unless specifically prohibited on labeling of other products in the mixture or if the mixture fails the compatibility jar test. Use of the resulting mix must be in accordance with the most restrictive label limitations and precautions on any of the products in the mixture. Allow treated seeds to dry before bagging.

CROPS AND APPLICATION RATES

Field Crops

Crop	Product Rate (µg/seed)	Product Rate (oz per 80,000 seeds)
CORN (Grain, Silage, Seed, Sweet or Pop)	35 – 105	0.1 – 0.3

Crop	Product Rate (µg/seed)	Product Rate (oz per 140,000 seeds)
SOYBEAN	25 – 120	0.13 – 0.59

Crop	Rate
COTTON	1 – 2 oz per unit (240,000 seeds/unit)
SUNFLOWER	0.2 - 0.4 oz per unit (200,000 seeds/unit)
CANOLA	0.25 – 0.50 oz. per 100 lb. seed
CEREAL GRAINS – All crops	0.5 – 0.75 oz. per 100 lb. seed
FORAGE CROPS	0.1 – 5 oz. per 100 lb. seed
PEANUT	0.1 – 5 oz. per 100 lb. seed
DRY BEANS	0.15 – 0.30 oz. per 100 lb. seed
DRY PEAS	0.25 – 0.50 oz. per 100 lb. seed
CHICKPEAS	0.10 – 0.20 oz. per 100 lb. seed
LENTILS	0.50 – 1.0 oz. per 100 lb. seed

Vegetable and Other Crops

Crop	Rate
BULB VEGETABLES CUCURBIT VEGETABLES FRUITING VEGETABLES LEAFY AND COLE VEGETABLES LEGUME VEGETABLES ROOT AND TUBER VEGETABLES	0.1 – 5 oz per 100 lb seed

Tobacco

Crop	Rate
TOBACCO – All Types	0.1 – 5 oz per 100 lb seed

Turf and Ornamentals

Crop	Rate
GRASSES – All Types ORNAMENTALS (Bulbs, Seeds or Tubers) – All Types	0.1 – 5 oz per 100 lb seed

Grasses Grown For Seed

Crop	Rate
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TURF GRASSES FORAGE GRASSES	0.1 – 5 oz per 100 lb seed
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[ALTERNATE TEXT:

Crop	Rate
LEEK, ONION	2 – 4 oz per 100 lb seed
LETTUCE, SPINACH, FENNEL	2 – 4 oz per 100 lb seed
BROCCOLI, CABBAGE, CAULIFLOWER, CHINESE CABBAGE	2 – 4 oz per 100 lb seed
DRY BEAN, GARDEN BEAN, PEA	0.25 – 1 oz per 100 lb seed
CUCUMBER, EDIBLE GOURD, MELON, PUMPKIN, SQUASH, WATERMELON	2 – 4 oz per 100 lb seed
EGGPLANT, HOT PEPPER, OKRA, SWEET PEPPER, TOMATO, TOMATO SEED FOR ROOTSTOCK PRODUCTION	2 – 4 oz per 100 lb seed
CARROT, RADISH	2 – 4 oz per 100 lb seed
SWEET CORN	0.75 oz per 100 lb seed
CANOLA	2 – 4 oz per 100 lb seed
CORN (Grain, Silage, Seed, or Pop)	0.1 – 1 oz per 100 lb seed
COTTON	1 – 4 oz per 100 lb seed
SOYBEAN	0.1 – 1 oz per 100 lb seed
SUGARBEET	0.1 – 5 oz per 100 lb seed
WHEAT	0.5 oz per 100 lb seed

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Keep product away from exposure to air, sunlight, moisture, or heat. Do not store in temperatures over 110°F for more than 7 days. Use product within 3 weeks of opening and within 24 hours after mixing.

PESTICIDE DISPOSAL

Wastes resulting from 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 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.

WARRANTY AND DISCLAIMER

CONDITIONS OF SALE AND EXCLUSIVE WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness of the product, or other unintended consequences may result because of such factors as horticultural practices, use with other products (unless otherwise expressly provided in the Directions for Use of this product), presence of other materials, the manner of use or application, and various environmental conditions, including but not limited to weather conditions and moisture conditions. To the extent consistent with applicable law, all of the aforementioned risks are beyond the control of Plant Health Care, Inc. and the Buyer shall assume all such risks.

EXCLUSIVE WARRANTIES

Plant Health Care, Inc. warrants that, at the time of first sale of this product, it conforms to the chemical description on this label and, under normal conditions, is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. To the extent consistent with applicable law, if this product does not perform as warranted above, customer's

sole remedy for breach of that warranty shall be replacement of the product or refund of the purchase price paid, at the option of Plant Health Care, Inc. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING BUT NOT LIMITED TO WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND SATISFACTORY QUALITY.

LIMITATION OF LIABILITY

To the extent consistent with applicable law, Plant Health Care, Inc. excludes for itself and its suppliers any liability, whether based in contract or tort (including negligence), for incidental, consequential, indirect, special, or punitive damages of any kind, or for loss of revenue or profits, loss of business, or crop injury arising out of or in connection with the sale, use, injury, performance, or failure of this product, even if Plant Health Care, Inc. or its authorized reseller has been advised of the possibility of such damages, and limits its liability to replacement of the product or a refund of the purchase price paid, at the option of Plant Health Care, Inc. This disclaimer of liability for damages will not be affected if any remedy provided by this label fails of its essential purpose.

ASSUMPTION OF RISK

To the extent consistent with applicable law, Buyer and User of this product assume the risk of any use contrary to the Directions for Use and/or all of the risks inherent in the use of the product as set forth above. Plant Health Care, Inc. offers this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Exclusive Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Plant Health Care, Inc.

PROMPT NOTICE OF CLAIM

Plant Health Care, Inc. must have prompt notice as soon as Buyer or User has reason to believe they may have a claim (not to exceed twenty-one days from the date of application) so that an inspection of the affected property and growing crops may be made. To the extent consistent with applicable law, unless Buyer and User promptly notify Plant Health Care, Inc. of any claims, they shall be barred from obtaining any remedy.

TANK MIXES

To the extent consistent with applicable law, tank mixing or use of this product with any other product, which is not specifically and expressly authorized by this label, shall be the exclusive risk of User, Applicator, and/or Application Advisor. Read and follow the entire label of each product to be used in a tank mix with this product.

© 20XX Plant Health Care, Inc. Always read and follow label instructions before buying or using this product.

[BARCODE]

XX.XXXX PHC 25279 US Ag

PHC 25279®

[Alternate Brand Name: SAORI®]

A Biochemical Pesticide for Pre-Plant Seed Treatment that:

[OPTIONAL TAG LINES – For use individually or in combination on labels. A biochemical pesticide seed treatment that: Improves stand establishment; Enhances crop growth, quality and yield; Yield enhancer; Increases Root Mass; Activates plant growth and defense systems; Enhances plant’s resistance to fungal and bacterial diseases; Plant Health Promoter; Improves standability; Increases plant stamina and vigor; Enhances plant health; Facilitates Integrated Pest Management Programs.]

FOR USE ONLY AS SEED TREATMENT IMMEDIATELY PRIOR TO PLANTING

Dry Seed Treatment Formulation

ACTIVE INGREDIENT:

PDHP 25279:1.0%

OTHER INGREDIENTS:99.0%

Total:100.0%

EPA Reg. No. 71771-14

EPA Est. No. _____

KEEP OUT OF REACH OF CHILDREN

**CAUTION
PRECAUCIÓN**

(See [(side)(back)] panel for additional precautionary statements and first aid.)the

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle (If you do not understand the label, find someone to explain it to you in detail.)

PLANT HEALTH CARE, INC.
242 South Main Street, Suite 216
Holly Springs, NC 27540
1-800-421-9051
www.planthealthcare.com

[Lot] [Batch] [No.] [Code]: _____
(Note to reviewer: Lot/batch number may be placed on the label or printed directly onto product packaging/container.)
NET WEIGHT: _____

Read the entire label before using this product. Read WARRANTY AND DISCLAIMER before buying or using. If terms are not acceptable, return at once unopened.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if inhaled. Avoid breathing dust. Remove and wash contaminated clothing before reuse.

FIRST AID	
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 mouth-to-mouth if possible. ▪ Call a poison control center or doctor for further 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. For emergency medical treatment information, call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time, seven days a week. During other times, call the poison control center at 1-800-222-1222.	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes and socks.
- 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 the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. 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 wash waters 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 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:

- Coveralls;
- Waterproof gloves; and
- Shoes and socks.

PRODUCT INFORMATION

PHC 25279 contains a biochemical molecule that stimulates the plant's natural growth and defense systems, enhancing overall plant health. Healthier plants exhibit increased plant stamina and vigor, leading to one or more of the following benefits: enhances plant's resistance to fungal and bacterial diseases; improved stand and root establishment, increased marketable yield, and enhanced quality. PHC 25279 works best when used in conjunction with good crop management practices.

SITES

Use PHC 25279 as a Seed Hopper/Seed Tank treatment for field production of corn and soybean.

USE PRECAUTIONS**USE PROMPTLY**

Carefully reseal opened packages immediately after use to minimize exposure to air and moisture.

MIXING

PHC 25279 may be used in conjunction with other commercial seed treatments and/or with other dry hopper box treatments. Apply PHC 25279 only to dry seed. Do not mix PHC 25279 with water or any other seed lubricant product. Check with your local Plant Health Care, Inc. representative for specific compatibility information for PHC 25279 and other labeled products.

STORAGE OF TREATED SEED

Seed treated with PHC 25279 should be covered and stored in a cool, dry location. When stored properly, seed can be stored up to 3 months. Do not store excess treated seed beyond planting time.

APPLICATION INSTRUCTIONS

Apply PHC 25279 as a dry pre-plant seed treatment. Apply product to dry seed using standard seed treatment equipment or apply directly to the hopper box. When applying directly to the hopper box, fill half the hopper box with seed and sprinkle the appropriate half-rate of PHC 25279 over seed. See the appropriate application rates under CROPS and APPLICATION RATES. Finish filling the hopper box with seed and sprinkle the remaining PHC 25279 over the new seed. It is important that PHC 25279 is mixed thoroughly on to the seed.

CROPS AND APPLICATION RATES**Field Crops**

Crop CORN (Grain, Sweet, Silage, Seed, or Pop) SOYBEAN	Rate per Unit* of Seed *(80,000 corn seeds or 140,000 soybean seeds) One Level Scoop (supplied in container) or 0.38 oz or 10.8 grams
Crop SUNFLOWER	Rate per Unit* of Seed *(200,000 sunflower seeds) One – Five Level Scoops (supplied in container) or 0.38 – 1.9 oz or 10.8 - 54 grams
Crop COTTON	Rate per Unit* of Seed *(220,000 – 250,000 cotton seeds) One – Five Level Scoops (supplied in container) or 0.38 – 1.9 oz or 10.8 - 54 grams
Crop Legume Crops (Chickpeas, Dry Beans, Dry Peas, Lentils) Wheat (Winter, Spring)	Rate per 100 lbs. of seed One – Five Level Scoops (supplied in container) or 0.38 – 1.9 oz or 0.8 - 54 grams One – Five Level Scoops (supplied in container) or 0.38 – 1.9 oz

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Keep product away from exposure to air, sunlight, moisture, or heat.
Do not store in temperatures over 110°F for more than 7 days.
Use product within 3 weeks of opening and the same day as mixing.

PESTICIDE DISPOSAL

Wastes resulting from 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 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.

WARRANTY AND DISCLAIMER

CONDITIONS OF SALE AND EXCLUSIVE WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness of the product, or other unintended consequences may result because of such factors as horticultural practices, use with other products (unless otherwise expressly provided in the Directions for Use of this product), presence of other materials, the manner of use or application, and various environmental conditions, including but not limited to weather conditions and moisture conditions. To the extent consistent with applicable law, all of the aforementioned risks are beyond the control of Plant Health Care, Inc. and the Buyer shall assume all such risks.

EXCLUSIVE WARRANTIES

Plant Health Care, Inc. warrants that, at the time of first sale of this product, it conforms to the chemical description on this label and, under normal conditions, is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. To the extent consistent with applicable law, if this product does not perform as warranted above, customer's sole remedy for breach of that warranty shall be replacement of the product or refund of the purchase price paid, at the option of Plant Health Care, Inc. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING BUT NOT LIMITED TO WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND SATISFACTORY QUALITY.

LIMITATION OF LIABILITY

To the extent consistent with applicable law, Plant Health Care, Inc. excludes for itself and its suppliers any liability, whether based in contract or tort (including negligence), for incidental, consequential, indirect, special, or punitive damages of any kind, or for loss of revenue or profits, loss of business, or crop injury arising out of or in connection with the sale, use, injury, performance, or failure of this product, even if Plant Health Care, Inc. or its authorized reseller has been advised of the possibility of such damages, and limits its liability to replacement of the product or a refund of the purchase price paid, at the option of Plant Health Care, Inc. This disclaimer of liability for damages will not be affected if any remedy provided by this label fails of its essential purpose.

ASSUMPTION OF RISK

To the extent consistent with applicable law, Buyer and User of this product assume the risk of any use contrary to the Directions for Use and/or all of the risks inherent in the use of the product as set forth above. Plant Health Care, Inc. offers this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Exclusive Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Plant Health Care, Inc.

PROMPT NOTICE OF CLAIM

Plant Health Care, Inc. must have prompt notice as soon as Buyer or User has reason to believe they may have a claim (not to exceed twenty-one days from the date of application) so that an inspection of the affected property and growing crops may be made. To the extent consistent with applicable law, unless Buyer and User promptly notify Plant Health Care, Inc. of any claims, they shall be barred from obtaining any remedy.

TANK MIXES

To the extent consistent with applicable law, tank mixing or use of this product with any other product, which is not specifically and expressly authorized by this label, shall be the exclusive risk of User, Applicator, and/or Application Advisor. Read and follow the entire label of each product to be used in a mix with this product.

© 20XX Plant Health Care, Inc. Always read and follow label instructions before buying or using this product.

[BARCODE]

PHC 25279

A Biochemical Pesticide – For Re-packaging or Formulating Use Only.

Wettable Dry Granule

ACTIVE INGREDIENT:

PDHP 25279 1.0%

OTHER INGREDIENTS:99.0%

Total:100.0%

EPA Reg. No. 71771-14

EPA Est. No. _____

KEEP OUT OF REACH OF CHILDREN

**CAUTION
PRECAUCIÓN**

See additional precautionary statements elsewhere on this label.

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle (If you do not understand the label, find someone to explain it to you in detail.)

PLANT HEALTH CARE, INC.

242 South Main Street, Suite 216

Holly Springs, NC 27540

1-800-421-9051

www.planthealthcare.com

[Lot] [Batch] [No.] [Code]: _____

(Note to reviewer: Lot/batch number may be placed on the label or printed directly onto product packaging/container.)

NET WEIGHT: _____

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if inhaled. Avoid breathing dust or spray mist. Remove and wash contaminated clothing before reuse.

FIRST AID	
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 mouth-to-mouth if possible.▪ Call a poison control center or doctor for further 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. For emergency medical treatment information, call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time, seven days a week. During other times, call the poison control center at 1-800-222-1222.	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes and socks.
- 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 the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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 wash waters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For repackaging only or formulating use only.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Keep product away from exposure to air, sunlight, moisture, or heat. Do not store in temperatures over 110°F for more than 7 days.

PESTICIDE DISPOSAL

Wastes resulting from 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 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.

[BARCODE]

