



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

February 5, 2015

Mary McKinney Hunt  
Authorized Representative of OHP, Inc  
OHP, Inc.  
P.O. Box 51230  
Mainland, PA 19451

Subject: PRIA Label and CSF Amendment – Expanded Pest Species Names,  
Changed Hazards to Humans Statements, Revised Personal Protective Equipment  
(PPE), and Changed Product Formulation  
Product Name: OHP 4.5 L Fungicide  
EPA Registration Number: 59807-5  
Application Date: 09/12/2014  
Decision Number: 495312

Dear Ms. Hunt:

The amended label and Confidential Statement of Formula (CSF) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing 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 copy of the final printed labeling before you release the 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 the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements 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 Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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

Please note that the record for this product currently contains the following CSFs:

- Basic CSF dated 09/22/2014
- Alternate CSF 1 dated 09/02/2014

Any CSFs other than those listed above are superseded/no longer valid. If you have any questions, please contact Marcel Howard by phone at (703)305-6784, or via email at [howard.marcel@epa.gov](mailto:howard.marcel@epa.gov).

Sincerely,



Shaja B. Joyner, Product Manager 20  
Fungicide/Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosures: Stamped "Accepted" Product Label  
Product Chemistry Review; DP 423353; Dated 01/15/2015  
Acute Toxicity Review; DP 423355; Dated 11/19/2014

**ACCEPTED**

02/05/2015

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 59807-5

LABEL 2/01/2015

**GROUP 1 FUNGICIDE**

**ABN: OHP 6672 4.5 F**

# OHP 4.5 L

**Liquid Flowable Systemic Turf and Ornamental Fungicide**

**For control of a broad spectrum of diseases of bedding, flowering, herbaceous and tropical foliage plants, shrubs, trees and flowers, containerized woody shrubs and trees and turfgrass.**

**ACTIVE INGREDIENT:**

Thiophanate-methyl ..... 46.2%

**OTHER INGREDIENTS:** ..... 53.8%

**TOTAL:** ..... 100.0%

Contains 4.5 pounds thiophanate-methyl per gallon

**Shake well before using.**

## **KEEP OUT OF REACH OF CHILDREN CAUTION**

<b>FIRST AID</b>	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-356-4647 for emergency medical treatment information.	

**See inside label booklet for additional FIRST AID and PRECAUTIONARY STATEMENTS**

**EPA Reg. No. 59807-5**

**EPA Est. No.**

**Manufactured for:**

OHP, Inc.  
PO Box 51230  
Mainland, PA 19451  
(800) 356-4647

**Net Contents:**

OHP 4.5 L contains thiophanate-methyl, the active ingredient used in Cleary 3336™

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are chemical-resistant gloves, such as barrier laminate, butyl rubber > 14 mils, nitrile rubber > 14 mils, neoprene rubber > 14 mils, polyvinyl chloride (PVC) > 14 mils, viton > 14 mils. If you want more options, follow the instructions for category C on an EPA chemical resistant selection chart.

Handlers mixing, loading and applying as a dip must wear:

- Coveralls over long sleeved shirt and long pants.
- Chemical-resistant gloves
- Chemical-resistant footwear plus socks
- A chemical-resistant apron

All other mixers and loaders and applicators must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves for all mixers and loaders and for applicators using hand held equipment, and
- Chemical-resistant aprons for mixers, loaders and other handlers exposed to the concentrate
- Shoes plus socks

**USER SAFETY REQUIREMENTS**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this products concentrate. Do not reuse them.

**Engineering Controls:** When handlers use enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

**User Safety Recommendations**

Users should:

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

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash water or rinsate.

**DIRECTIONS FOR USE**

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

For use by individuals/firms licensed or registered by the state to apply ornamental or turf pest control products. Do not apply with fixed wing or rotary aircraft.

**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), notification to workers, 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 12 hours.

Exemption: 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 over long-sleeved shirt and long pants,
- Chemical-resistant gloves made of any waterproof material,
- Chemical-resistant footwear plus socks,
- Chemical-resistant headgear for overhead exposures

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

**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.

Do not enter or allow others to enter the treated areas without protective clothing until spray has dried.

**PRODUCT INFORMATION**

OHP 4.5 L provides broad spectrum disease control on woody, flowering, herbaceous, and tropical foliage ornamental plants and trees in containers, greenhouses and landscapes and also on turfgrass.

Add the required amount of OHP 4.5 L after shaking well to a partially filled tank agitated by mechanical or hydraulic means then add the remaining required amount of water. Maintain continuous agitation during application to keep the material in suspension. Make fresh daily.

Make applications of OHP 4.5 L with ground equipment, using sufficient spray volume to provide thorough coverage. Do not tank mix OHP 4.5 L with copper containing materials or with highly alkaline pesticides such as Bordeaux mixture or lime sulfur. No claim of compatibility with other pesticides is implied. Under conditions of severe disease pressure or when application intervals are shorter than 14 days due to persistent rainfall, use the higher concentration or rates provided in this label. Contact your local State Extension Service specialist for application schedule recommendations.

**Important:** If recommended treatments of OHP 4.5 L are ineffective, a tolerant strain of fungus may be present. Consult your OHP, Inc. representative or distributor, your local State Agricultural Experiment Station or State Agricultural Extension Service for advice on prompt use of some other labeled fungicide.

**Resistance Management:** To avoid the development of tolerant strains of fungi, OHP 4.5 L should be used with fungicides of different modes of action. OHP, Inc. does not recommend the use of products containing thiabendazole in combination or rotation with OHP 4.5 L. These utilize similar chemistry and mode of action and can contribute to development of disease tolerance. If, after using OHP 4.5 L as recommended, and the treatment is not effective, a tolerant strain of fungi may be present. Consult your local OHP, Inc. representative, your State Agricultural Experiment Station, or your State Cooperative

Extension Service for proper disease identification and advice on the prompt use of some other suitable fungicide or disease control strategy. As long as recommended precautions are followed OHP 4.5 L can remain useful for disease control.

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## CHEMIGATION INSTRUCTIONS

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### For Ornamental Use Only

Apply this product only through pressurized drench (flood), sprinkler, or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation systems.

Do not connect chemigation system to a public water system.

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

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

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

Should the need arise, 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.

### Pressurized Drench (Flood) System

Systems utilizing a pressurized water and pesticide injection system must meet the following 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 backflow.
- 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 which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump, (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from back flow if water flow stops.

### Sprinkler Chemigation

- 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 backflow.
- 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 which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump, (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

**Drip (Trickle) Chemigation**

- 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 backflow.
- 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 which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump, (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

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**HORTICULTURAL APPLICATIONS**

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**GREENHOUSE, NURSERY AND LANDSCAPE**

OHP 4.5 L provides broad spectrum control of many foliar, stem, and below ground diseases on a wide range of horticultural plants grown or maintained under a variety of conditions. Apply OHP 4.5 L 14-21 days prior to when a particular disease usually appears and at the very latest, upon first sign of disease. Spray intervals usually range from 7 to 14 days with 14 days being for preventative treatments and the 7 day interval for times when conditions are judged acceptable for disease development. For hard-to-wet foliage, an acceptable wetting agent may be added to the spray tank to increase product efficacy. Use of a spreader-sticker is recommended when excessive and repeated foliar wetting occurs. OHP 4.5 L may be used to control listed diseases on non-commercial fruit and nut trees. Do not use fruits, nuts or sap from treated trees as food or feed. Do not apply this product to home orchards or backyard fruit trees after fruit set.

Note: OHP 4.5 L has been determined to be safe for use on the plant types listed in these directions for use based on cumulative data derived from research product trials and historical field use. As all species and cultivars have not been tested, it is recommended that trial applications be performed if a user wishes to make an application to a plant type not listed on the label but found on a similar use site and for a disease that is listed on the label. To conduct a trial application, apply at least two applications to at least 25 trial plants at the highest concentration, 7 days apart. Evaluate 7 days after the last application before initiating full-scale application. Do not use this product on the following plants: Swedish Ivy (*Nephrrolepis exaltata*), Boston Fern (*Plectranthus australis*), and Easter Cactus (*Hatiora gaertneri*).

<b>Plant Type</b>	<b>Such as but not limited to:</b>
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<b>Plant Type</b>	<b>Such as but not limited to:</b>
Herbaceous Bedding	Ageratum, Begonia, Canna, Coleus, Dahlia, Dusty Miller, Foxglove, Fuchsia, Geranium, Impatiens, Lavender, Marigold, Pansy, Petunia, Pinks, Primrose, Salvia, Statice, Strawflower, Tickseed, Verbena
Flowering	Chrysanthemum, Hydrangea, Hollyhock, Iris, Lily, Poinsettia
Tropical Foliage	Dieffenbachia, Dracaena, English Ivy, Philodendron, Pothos
Woody Ornamentals	Azalea, Hibiscus, Holly, Ligustrum, Rhododendron, Rose, Pyracantha
Evergreen Trees	Douglas Fir, Fir, Larch, Pine, Spruce
Deciduous Trees*	Ash, London Plane, Maple, Oak, Sycamore, Walnut
Flowering Trees*	Cherry, Crabapple, Hawthorn, Mountain Ash, Pear

\*Do not use fruit, nuts or sap from treated trees as food or feed.

### FOLIAR SPRAY APPLICATIONS

#### Hydraulic Application Mixing Instructions

After shaking the product container, add the required amount of OHP 4.5 L to a partially filled spray tank agitated by mechanical or hydraulic means and then add the remaining recommended volume of water. Maintain continuous agitation to keep the material in suspension and apply with properly calibrated spray equipment.

#### Application Concentrations (Mechanical or Hand Held):

Use the specified amount of OHP 4.5 L per 100 gallons of water for the prevention and control of the diseases shown below.

### FOLIAR DISEASES

<b>Disease(s) Controlled</b>	<b>Concentration of OHP 4.5 L fl. oz./100 gals.</b>	<b>Remarks</b>
Anthrachnose <i>Colletotrichum</i>	10.75-20	Apply as buds break or at first sign of disease. Repeat application at 7-14 day intervals during disease period.
Black Spot of Rose <i>Diplocarpon rosae</i>	10.75-20	Apply early summer or at first sign of disease. Repeat application every 7-14 days during disease period.
Brown Rot and Blight <i>Monilinia</i> , <i>Sclerotini</i> , <i>Whetzellinia</i>	10.75-20	Apply late spring or at first sign of disease. Repeat application every 7-14 days during the disease period.
Fusicladium and Venturia Leaf Scabs on: Crabapple, Hawthorn, Pear, Mountain Ash, Pyracantha, etc.	10.75-20	Apply as buds break. Repeat application every 7-14 days during disease period. Effective control requires coverage during leaf expansion. Rotations with chlorothalonil or propiconazole can be utilized.
Leaf Spots and Blights caused by: <i>Ascochyta</i> , <i>Blumeriella</i> , <i>Botrytis</i> , <i>Cercospora</i> , <i>Coccomyces</i> , <i>Corynespora</i> , <i>Curvularia</i> , <i>Didymellina</i> , <i>Entomosporium</i> , <i>Fabraea</i> ,	10-14.5	Make applications when disease symptoms first appear. Repeat every 7-14 days during disease period. Rotations with chlorothalonil may be used.



Disease(s) Controlled	Concentration of OHP 4.5 L fl. oz./100 gals.	Remarks
<i>Fusarium, Ramularia, Rhizoctonia, Marssoninia, Mycosphaerella, Myrothecium, Phoma, Physalasporea, Schizothyrium, Septoria, Sphaceloma</i>		
Ovulinia Blight	7.25-20	Apply as flowers open. Repeat every 7-14 days during disease period.
Powdery Mildews <i>Erysiphe, Microsphaera, Phyllactinia, Podosphaera, Oidium, Sphaerotheca</i>	10-20	Apply when disease first appears and repeat application every 7-14 days. Rotations with other effective products is recommended.
Rust Diseases caused by: <i>Puccinia, Gymnosporangium, Uromyces</i>	10.75-20	Apply late spring or when symptoms first appear. Repeat application every 7-14 days during disease period. Rotations with other effective products is recommended.
Tip Blight of Pine <i>Sphaeropsis sapinea, Diplodia pinea</i>	14.5-20	Begin applications in the spring when new growth starts. Make a second application just prior to needle emergence from the sheath and a third application 7 days later. Ensure thorough coverage.
Twig Blights, Cankers, and Diebacks <i>Diaporthe, Kabatina, Phoma, Phomopsis</i>	14.5-20	Apply when symptoms first appear. Repeat application every 7-14 days during disease period.

**Adjuvants:** Where rainfall and/or overhead irrigation is the norm, use of a compatible spreader/sticker is suggested. Where wetting of foliage is difficult, use a compatible wetting agent. Follow the phytotoxicity precautions described in the "HORTICULTURAL APPLICATIONS" section of this label.

**SOIL DRENCH APPLICATIONS**

**Mixing Instructions:** Add the required amount of OHP 4.5 L to a partially filled tank agitated by mechanical or hydraulic means. Add the remaining required amount of water. Maintain continuous agitation throughout application to keep the material in suspension.

**Application Concentrations/Rates and Timing for Disease Control:** Use 7.5 to 20 fl. oz. of OHP 4.5 L per 100 gallons of water. Apply as a drench or heavy spray at the rate of ½ to 2 pints per square foot (100 gallons per 400 to 1,600 square feet). For small pots and shallow flats up to 4 inches in size, apply at 1 pint per square foot. For containers and pots 4 inches or larger, refer to the following table for the volume to apply. Repeat applications may be made at 4 to 8 week intervals depending on disease presence and conditions for disease development.

Container Type	Volume of Spray Mix to Apply to Each Container	
	1 pt./sq. ft. Rate	2 pt./sq. ft. Rate
4 inch	2 fl. oz.	
5 inch	2.5 fl. oz.	
6 inch		6.5 fl. oz.
7 inch		8.5 fl. oz.
8 inch		11 fl. oz.
9 inch		14 fl. oz.
10 inch		17.5 fl. oz.

For containers larger than 10 inches, a drench volume of 2.5 to 3 pints per square foot of surface area may be required.

**Plant Types:** Containerized woody shrubs, trees, herbaceous/bedding, flowering, and tropical foliage plants and flowers and bedding plants in the landscape.

**Note:** Do not apply this product to plug trays or seedling flats at time of seeding.

**Soil Diseases Controlled:** Botrytis, Cythrodcladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia and Thielaviopsis.

**Note:** Pythium, Phytophthora and Cythrodcladium spathiphylli are not controlled by OHP 4.5 L.

**PLANT DIP TREATMENT**

**Mixing Instructions:** Mix as described in the “FOLIAR” and “SOIL DRENCH APPLICATIONS” sections of this label. Maintain continuous agitation during application.

**Application Concentration and Dipping Time**

**Plants or Cuttings:** Use 14.5 to 21.5 fl. oz. of OHP 4.5 L per 100 gallons of water. Immerse plants or cuttings for 10 to 15 minutes, remove and allow to drain and dry. Wear protective clothing as described under the “PERSONAL PROTECTIVE EQUIPMENT” section of this label.

**Bulbs, Corms, Tubers and Rhizomes -** Use 16 to 20 fl. oz. of OHP 4.5 L per 100 gallons of water or 2 teaspoons of OHP 4.5 L per gallon of water. Soak cleaned bulbs for 15 to 30 minutes in warm dip (80-85°F) within 48 hours of digging. Dry bulbs after treatment. If bulbs are for forcing, treat bulbs that have been heat-cured.

**Plant Types:** Plants, cuttings, cane sections of woody herbaceous, flowering and tropical foliage plants. Bulbs, corms, tubers, and rhizomes of plants such as but not limited to Caladium, Easter Lily, Tulip, Gladiolus, Daffodil, Iris.

**Diseases Controlled:** Botryis, Cythrodcladium, Fusarium, Gliocladium, Myrothecium, Penicilium, Ramularia, Rhizoctonia, Sclerotinia, Thielaviopsis.

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**TURF APPLICATIONS**

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For use only by certified applicators or those under their immediate supervision. Do not apply with fixed wing or rotary aircraft. Not for use on turf being grown for sale or other commercial use as sod.

OHP 4.5 L may be used against certain foliar and soil diseases for use on all turf types such as golf course greens, tees and fairways, athletic fields, cemeteries, parks, and commercial and home lawns. OHP 4.5 L may be used both preventatively and curatively and is not phytotoxic. Do not use OHP 4.5 L on turf being grown for sale or other commercial uses as sod.

**Mixing Instructions:** Add the required amount of OHP 4.5 L to a partially filled tank agitated by mechanical or hydraulic means. Add the remaining required amount of water. Maintain continuous agitation to keep the material in suspension. For best results, use spray mixture the same day it is prepared.

**Turf Types:** All cool season and warm season grasses (such as but not limited to Bentgrasses, Bermudagrasses, Bluegrasses, Fescues, Ryegrasses, St. Augustinegrasses and Zoysiagrasses) or their mixtures.

**Turf Application Directions**

Apply OHP 4.5 L uniformly over the area to be treated with a properly calibrated power sprayer. Apply after mowing or avoid mowing for 12 hours after application. Apply sufficient water to obtain thorough coverage, usually 2 to 4 gallons per 1,000 sq. ft. of turf area. When treating golf greens, always treat aprons and approaches to golf greens. The minimum retreatment interval for turf applications is 14 days.

**Note to User:** Do not graze animals on treated turf. Do not feed clippings to livestock or poultry.

**Maximum Individual Application Rates and Minimum Re-Treatment Intervals**

Do not exceed the amounts per acre or reduce the re-treatment interval indicated below.

Use Site	Maximum Application rate of OHP 4.5 L	Minimum Re-Treatment Interval	Comments
Residential or Public Areas	(1 ¾ fl. oz./1,000 sq.ft.)	14 days	
Golf Course Tees, Greens, Aprons	(5 1/3 fl. oz./1,000 sq.ft.)	14 days	
Golf Course Fairways – except Florida	(3 ½ fl. oz./1,000 sq.ft.)	14 days	Excludes Florida
Golf Course Fairways – Florida Only	(1 ¾ fl. oz./1,000 sq.ft.)	14 days	Florida Only

**Maximum Yearly Application Rates**

Do not exceed the following amounts of product per Acre per year.

Use Site	Maximum Gallons OHP 4.5 L per Acre per Season	Fluid Ounces OHP 4.5 L per 1,000 sq. ft.	Comments
Residential or Public Areas	2.42 Gallons	7 fl. oz.	4 Applications per year
Golf Course Tees, Greens, Aprons	4.84 Gallons	14 1/4 fl. oz.	
Golf Course Fairways – except Florida	1.21 Gallons	3 1/2 fl. oz.	Excludes Florida
Golf Course Fairways – Florida Only	0.60 Gallons	1 3/4 fl. oz.	Florida Only

**Turf Disease Control**

Disease(s) Controlled	Rate of OHP 4.5 L fl. oz./1,000 sq. ft.**	Remarks
<b>Anthracnose, basal</b> <i>Colletotrichum cereal</i>	3 ½ - 5 1/3*	For prevention in historic areas of disease pressure, apply twice at 14 day intervals when soil temperature reaches 60°F. For curative control, apply when disease first appears and continue at 14 day intervals. Rotations and/or tank mix combinations with chlorothalinalol or triadimefon can be utilized.
<b>Anthracnose, foliar</b> <i>Colletotrichum cereale</i>	2 - 3 1/2	
<b>Bermudagrass Decline</b> <i>Gaeumannomyces graminis</i> var. <i>graminis</i>	3 ½ - 5 1/3	Apply in mid-July or when disease symptoms first appear and repeat at 14 day intervals for suppression. Use higher rates under most severe disease expression. Water treatment into active root zone. Follow proper agronomic recommendations to maintain plant vigor.
<b>Take-All-Patch</b> <i>Gaeumannomyces graminis</i> var. <i>avenae</i>		
<b>Cool Season Brown Patch</b> <i>Rhizoctonia cerealis</i>	3 ½ - 5 1/3	For prevention, apply in Fall before turf has stopped all growth activity. Apply second application in early Spring when soil temperatures reach 55-60°F or when disease first appears. For curative action, apply when disease first appears in early Spring and continue at 14 day intervals.
<b>Necrotic Ring Spot</b> <i>Leptosphaeria korrea</i>		
<b>Spring Dead Spot</b> <i>Leptosphaeria korrea</i>		

Disease(s) Controlled	Rate of OHP 4.5 L fl. oz./1,000 sq. ft.**	Remarks
		Water treatment into active root zone.
<b>Coprinus Snow Mold</b> <i>Coprinus psychromorbidus</i>	3 ½ - 5 1/3	Apply 2 treatments at 21 day intervals in late Fall to early Winter, with the last application made just prior to first permanent snow cover. Rotations and/or tank mix combinations with PCNB can be utilized.
<b>Dollar Spot</b> <i>Moellerodiscus, Lanzia, Sclerotinia</i> <b>Large Brown Patch</b> <i>Rhizoctonia solani</i> <b>Ascochyta Leaf Blight</b> <i>Ascochyta</i> <b>Copper Spot</b> <i>Gloeocercospora sorghi</i> <b>Fusarium Patch</b> <i>Fusarium nivale</i> <b>Red Thread</b> <i>Laetisaria fuciformis</i> <b>Zoysia Patch</b> <i>Rhizoctonia solani</i>	2-3 1/2	Apply when disease first appears and continue at 14 day intervals. Rotations and/or tank mix combinations with chlorothalonil, iprodione, or mancozeb can be utilized.
<b>Fusarium Blight</b> <i>Fusarium roseum, F. triticum</i>	3 ½ - 5 1/3	Apply when disease first appears at 14 day intervals.
<b>Gray Leaf Spot (Blast)</b> <i>Pyricularia grisea</i>	3 ½ - 5 1/3	Apply preventative application before expected period of disease development. Continue applications at 14 day intervals.
<b>Leaf Spot</b> <i>Drechslera</i> <b>Leaf, Crown, and Root Diseases</b> <i>Bipolaris, Curvularia, Exserohilum</i>	3 ½ - 5 1/3	Apply when disease first appears and make applications at 14 day intervals. Rotations and/or tank mix combinations with chlorothalonil, iprodione, or mancozeb are recommended under severe conditions.
<b>Pink Snow Mold</b> <i>Microdochium nivale</i>	2-3 1/2	Apply in late Fall to early Winter before turf has stopped all growth activity. A second application may be used combination with chlorothalonil, PCNB, or thiram at recommended rates before snow cover or during Spring thaw.
<b>Rusts</b> <i>Puccinia, Uromyces</i>	3 ½ - 5 1/3	Apply at 14 day intervals when disease first appears. Rotations and/or tank mix combinations with chlorothalonil or mancozeb are recommended.
<b>Stripe Smut</b> <i>Ustilago striiformis</i>	3 ½ - 5 1/3	Apply at 14 day intervals when disease first appears. For prevention, apply in spring and fall.
<b>Summer Patch</b> <i>Magnaporthe poae</i>	3 ½ - 5 1/3	For prevention, apply 3 applications starting late April or early May using 21 day intervals. Rotations and/or tank mix combinations may be used as part of the three application program. For suppression, apply at 14 day intervals when disease first appears. Water

Disease(s) Controlled	Rate of OHP 4.5 L fl. oz./1,000 sq. ft.**	Remarks
		treatment into active root zone.
<b>Bentgrass Dead Spot</b> <i>Ophiosphaerella agrostis</i>	3 ½ - 5 1/3	For prevention, apply in early June or based upon local Extension Service recommendations. Apply at 14 day intervals. Rotations and/or tank mix combinations may be used for season long disease prevention.

\*Use 3 ½ to 5 1/3 fl. oz. rate for curative response to Basal Stem Anthracnose.

\*\*Refer to the "Use Sites and Maximum Application Rates" table to determine allowable rates for each application.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Store in original container in a dry, temperature-controlled, secure place.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.

Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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