



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460**

**OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION**

August 16, 2022

Mike Peplowski
Product Registrations Manager
ISK BIOSCIENCES CORPORATION
7470 Auburn Road, Suite A
Concord, OH 44077

Subject: PRIA Label Amendment – new greenhouse uses of Pyriofenone on tomato subgroup 8-10A, pepper/eggplant subgroup 8-10B and cucumber
Product Name: Pyriofenone Ornamental Fungicide
EPA Registration Number: 71512-43
Application Date: 1/25/2021
Decision Number: 576262 and 570314

Dear Mike Peplowski:

The application referred to above, submitted under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable under FIFRA section 3(c)(5).

You must submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

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 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 FIFRA 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) lists 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

Page 2 of 2
EPA Reg. No. 71512-43
Decision No. 576262 and 570314

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.

If you have any questions, please contact Carmen Swinger at 202-566-2923 or at swinger.carmen@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "C. L. Giles-Parker".

Cynthia L. Giles-Parker, Chief
Fungicide Branch
Registration Division

Enclosure – stamped “accepted” label

A C C E P T E D

08/16/2022

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 71512-43

PYRIOFENONE GROUP 50 FUNGICIDE



PYRIOFENONE ORNAMENTAL FUNGICIDE

ACTIVE INGREDIENT: Pyriofenone* 27.3%
OTHER INGREDIENTS: 72.7%
Total..... 100.0%

*(5-chloro-2-methoxy-4-methyl-3-pyridinyl)(2,3,4-trimethoxy-6-methylphenyl)methanone (CA)

Contains 2.5 pounds PYRIOFENONE per Gallon (300 grams per liter)

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side panel for additional precautionary statements.

Read entire label carefully and use only as directed.

ISK Biosciences Corporation

7470 Auburn Road, Suite A
Concord, Ohio 44077 U.S.A.

EPA Reg. No. 71512-43 EPA Est. No.

Net Contents:

FIRST AID

If swallowed

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- **DO NOT** induce vomiting unless told to do so by a poison control center or doctor.
- **DO NOT** give anything by mouth to an unconscious person.

If on skin

- Take off contaminated clothing.
- Rinse skin immediately with plenty of soap and water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

HOT LINE NUMBER

For 24-Hour Medical Emergency Assistance (Human or Animal)
Call 1-888-484-7546.

For Chemical Emergency, Spill, Leak, Fire or Accident, Call
CHEMTREC 1-800-424-9300.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, socks, shoes, and chemical resistant gloves made of any waterproof material.

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

Engineering Control Statements

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

User Safety Recommendations

Users must:

- 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. **DO NOT** contaminate waters when disposing of equipment washwater or rinsate. This product is toxic to aquatic invertebrates.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container, in a secured, dry, cool place separate from fertilizer, food, and feed. Avoid cross-contamination with other pesticides.

PESTICIDE DISPOSAL: Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use 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: Nonrefillable container (equal to or less than 5 gallons). **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a 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. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable container (greater than 5 gallons). **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Recap and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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.

AGRICULTURAL USE REQUIREMENTS

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

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of four (4) hours.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, including plants, soil, or water, is: coveralls, chemical resistant gloves made of any waterproof material, shoes plus socks.

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL.

USE INFORMATION

PYRIOFENONE ORNAMENTAL FUNGICIDE is a fungicide with preventative, locally systemic and curative properties for foliar diseases. PYRIOFENONE ORNAMENTAL FUNGICIDE must be applied in scheduled protective programs and used in rotation with products with a different mode of action.

MANDATORY SPRAY DRIFT

Ground Applications:

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a medium to ultra coarse spray droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

SPRAY DRIFT ADVISORIES

- THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
- BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.
- IMPORTANCE OF DROPLET SIZE:
An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.
Controlling Droplet Size - Ground Boom
 - Volume – Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher low rate.
 - Pressure – Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
 - Spray Nozzle – Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.
- BOOM HEIGHT – Ground Boom
Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom must remain level with the crop and have minimal bounce.
- SHIELDED SPRAYERS
Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.
- TEMPERATURE AND HUMIDITY
When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.
- TEMPERATURE INVERSIONS –
Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.
- WIND

Drift potential generally increases with wind speed. **AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.** Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

MIXING AND SPRAYING

PYRIOFENONE ORNAMENTAL FUNGICIDE can be used effectively in dilute or concentrate sprays. Thorough, uniform coverage is essential for disease control.

NOTE: Slowly invert container several times to assure uniform mixture of formulation before adding this product to the spray tank.

Dosage rates on this label indicate fluid ounces of PYRIOFENONE ORNAMENTAL FUNGICIDE per acre, unless otherwise stated. Under conditions favorable for disease development, the highest rate specified and shortest application interval must be used.

PYRIOFENONE ORNAMENTAL FUNGICIDE may be applied with all types of spray equipment normally used for ground applications and chemigation equipment applied via irrigation systems as noted below.

Add the required amount of PYRIOFENONE ORNAMENTAL FUNGICIDE slowly into the spray tank during filling. With concentrate sprays, pre-mix the required amount of PYRIOFENONE ORNAMENTAL FUNGICIDE in a clean container and add to the spray tank as it is being filled. Keep agitator running when filling spray tank and during spray operations. **DO NOT** allow spray mixture to stand overnight or for prolonged periods. Prepare only the amount of spray required for immediate use. Spraying equipment must be thoroughly cleaned immediately after the application.

Apply PYRIOFENONE ORNAMENTAL FUNGICIDE in sufficient water to obtain adequate coverage of the foliage. Gallonage to be used will vary with crop and amount of plant growth. Spray volume will usually range from 20 to 100 gallons per acre (200 to 1000 liters per hectare) for dilute sprays, and 5 to 10 gallons per acre (50 to 100 liters per hectare) for concentrate ground sprays.

TANK MIX COMPATIBILITY

PYRIOFENONE ORNAMENTAL FUNGICIDE is physically compatible (no nozzle or screen blockage) with many products recommended for control of diseases and insects on crops and other additives. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and the precautionary statements of each product in the tank mixture. PYRIOFENONE ORNAMENTAL FUNGICIDE is generally compatible with other insecticides, fungicides, adjuvants, fertilizers and micronutrient products provided sufficient free water is available for dispersion of all the tank mix products. Under some conditions, the use of adjuvants and surfactants at the rate of 0.025% to 0.1% of the spray tank volume may improve the performance of PYRIOFENONE ORNAMENTAL FUNGICIDE. However, not all crop varieties have been tested with all possible tank mix combinations. Thus the combination must be tested for crop safety on a small portion of the crop to ensure that a phytotoxic response will not occur. In addition, the physical compatibility of PYRIOFENONE ORNAMENTAL FUNGICIDE with tank mix partners must be evaluated before use. Conduct a jar test with intended tank-mix pesticides prior to preparation of large volumes. Use the following procedure: 1) Pour the recommended proportions of the products into a suitable container of water, 2) Mix thoroughly and 3) Allow to stand for 5 minutes. If the combination remains mixed or can be re-mixed readily, it is considered physically compatible. Any physical incompatibility in the jar test indicates that PYRIOFENONE ORNAMENTAL FUNGICIDE must not be used in the tank-mix.

INTEGRATED PEST MANAGEMENT

PYRIOFENONE ORNAMENTAL FUNGICIDE is an excellent disease control agent when used according to label directions for control of labeled fungi. PYRIOFENONE ORNAMENTAL FUNGICIDE is recommended for use as part of an Integrated Pest Management (IPM) program, which may include the use of disease-resistant crop varieties, cultural practices, crop rotation, biological disease control agents, pest scouting and disease forecasting systems aimed at preventing economic pest damage. Practices known to reduce disease development must be followed. Consult your state cooperative extension service or local agricultural authorities for additional IPM strategies established in your area. PYRIOFENONE ORNAMENTAL FUNGICIDE may be used in State Agricultural Extension advisory (disease

forecasting) programs that recommend application timing based upon environmental factors that favor disease development.

RESISTANCE MANAGEMENT

Some plant pathogens are known to develop resistance to products used repeatedly for disease control. PYRIOFENONE ORNAMENTAL FUNGICIDE's proposed mode/target site of action is actin disruption, FRAC Group 50. A disease management program that includes alternation or tank mixes between PYRIOFENONE ORNAMENTAL FUNGICIDE and other labeled fungicides that have a different mode of action and/or control pathogens not controlled with PYRIOFENONE ORNAMENTAL FUNGICIDE is essential to prevent disease resistant pathogens populations from developing. PYRIOFENONE ORNAMENTAL FUNGICIDE must not be utilized continuously nor tank mixed with fungicides that have shown to have developed fungal resistance to the target disease.

For resistance management, PYRIOFENONE ORNAMENTAL FUNGICIDE contains a Group 50 fungicide. Any fungal population may contain individuals naturally resistant to PYRIOFENONE ORNAMENTAL FUNGICIDE and other Group 50 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies must be followed.

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

- Rotate the use of PYRIOFENONE ORNAMENTAL FUNGICIDE or other Group 50 fungicides within a growing season with different groups that control the same pathogens.
- Use tank mixtures with fungicides 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 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 applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal 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 ISK Biosciences Corporation at (877) 706-4640. You may also contact your pesticide distributor or university extension specialist to report resistance.

Since pathogens differ in their potential to develop resistance to fungicides, follow the directions outlined in the "Directions For Use" section of this label for specific resistance management strategies for each crop. Consult with your Federal or State Cooperative Extension Service representatives for guidance on the proper use of PYRIOFENONE ORNAMENTAL FUNGICIDE in programs that seek to minimize the occurrence of disease resistance. PYRIOFENONE ORNAMENTAL FUNGICIDE is not cross-resistant with other classes of fungicides that have different modes of action.

APPLICATION AND CALIBRATION TECHNIQUES FOR SPRINKLER IRRIGATION

Apply this product only through overhead boom or micro-irrigation systems including misters, spaghetti-tube or individual tube irrigation systems. **DO NOT** apply this product through any other type of irrigation system.

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

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

DO NOT apply Pyriofenone through irrigation systems connected to a public water system. "Public water system" means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year.

Controls for both irrigation water and pesticide injection systems must be functionally interlocked, so as to automatically terminate pesticide injection

when the irrigation water pump motor stops. A person knowledgeable of the irrigation system and responsible for its operation shall be present so as to discontinue pesticide injection and make necessary adjustments, should the need arise.

The irrigation water pipeline must be fitted with a functional, automatic, quick-closing check valve to prevent the flow of treated irrigation water back toward the water source. The pipeline must also be fitted with a vacuum relief valve and low-pressure drain, located between the irrigation water pump and the check valve, to prevent back-siphoning of treated irrigation water into the water source.

Always inject pesticides into irrigation water after it discharges from the irrigation pump and after it passes through the check valve. Never inject pesticides into the intake line on the suction side of the pump.

Pesticide injection equipment must be fitted with a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump. Interlock this valve to the power system, so as to prevent fluid from being withdrawn from the chemical supply tank when the irrigation system is either automatically or manually turned off.

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 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.

Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

With stationary systems, an effectively designed in-line venturi applicator unit is preferred which is constructed of materials that are compatible with pesticides; however, a positive-displacement pump can also be used.

Determine area covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a 30 to 45 minute period. Mix desired amount of Pyriofenone for area to be covered with water so that the total mixture of this product plus water in the injection tank is equal to the quantity of water used during calibration.

Pyriofenone can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until this product has been cleared from last sprinkler head.

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants to those persons lawfully acquiring title to this product that at the time of first sale of this product by Seller that this product conformed to its chemical description and was reasonably fit for the purposes stated on the label when used in accordance with Seller's directions under normal conditions of use. To the extent consistent with applicable law, Buyers and users of this product assume the risk of any use contrary to such directions. **EXCEPT AS PROVIDED ELSEWHERE IN WRITING CONTAINING AN EXPRESS REFERENCE TO THIS WARRANTY AND LIMITATION OF DAMAGES, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OR GUARANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO.** In no event shall Seller's liability for any breach of warranty or guaranty exceed the purchase price of the product as to which a claim is made. To the extent consistent with applicable law, Buyers and users of this product are responsible for all loss or damage from use or handling of this product which results from conditions beyond the control of Seller, including, but not limited to, incompatibility with other products unless otherwise expressly provided in Directions for Use of this product, weather conditions, cultural practices, moisture conditions or other environmental conditions outside of the ranges that are generally recognized as being conducive to good agricultural and/or horticultural practices.

DIRECTIONS FOR USE

Crop	Diseases	Use Rate Fl. Oz. Product Per 100 gallons	Use Rate Fl. Oz. Product Per Acre	Instructions
Ornamental Plants	Powdery Mildew <i>Golovinomyces spp.</i> <i>Erysiphe spp.</i> <i>Sphaerotheca spp.</i>	4 to 5 fl oz (0.078 to 0.098 lb. a.i. /100 gal)	4 to 5 fl oz (0.078 to 0.098 lb. a.i. /A)	<p>Application Instructions:</p> <p>Container and Field Grown (Bed) Plants</p> <p>Pyriofenone can be applied to container, flat, bed, or field-grown ornamental plants grown in commercial greenhouses, shade-houses and outdoor nurseries that are grown for resale.</p> <p>Apply pyriofenone as a foliar spray in sufficient spray solution to thoroughly wet the foliage to the point of run-off, generally not to exceed 100 gallons per acre. If a larger volume is needed to wet the foliage, DO NOT exceed the maximum rate of 5 fl. oz. (0.098 lb. a.i.) per acre. Pyriofenone may be applied via irrigation systems. Follow the directions noted above.</p> <p>Begin applications of pyriofenone when conditions are favorable for disease development or when plants first exhibit disease symptoms, from germination to mature crop. Within the rate range, use the specified lower rate and shortest interval and the higher rate at the longest interval. When disease is severe use the listed highest rate at the shortest interval.</p> <p>Make applications on a 7-14 day interval.</p> <p>Resistance Management: DO NOT make more than 2 sequential applications of PYRIOFENONE ORNAMENTAL FUNGICIDE or other Group 50 containing fungicide before rotating to a fungicide with a different mode of action.</p> <p>Restrictions: DO NOT apply more than 16 fl oz/A/year (0.32 lb. a.i./A/year). DO NOT exceed 4 applications per acre per year. DO NOT apply this product by aerial application. The maximum single use rate is 5 fl. oz. (0.098 lb. a.i.) per acre. The minimum re-treatment interval is 7 days. Intended for use by nurseries and greenhouse professional applicators. Not intended for use by the homeowner.</p>

For Applications to Greenhouse Grown Crops

Crop	Diseases	Use Rate Fl. Oz. Product Per 100 gallons	Use Rate Fl. Oz. Product Per Acre	Instructions
<p>Greenhouse Grown Cucumbers</p>	<p>Powdery Mildew</p> <p><i>Podosphaera spp.</i></p> <p><i>Erysiphe spp.</i></p> <p><i>Sphaerotheca spp.</i></p>	<p>4 to 5 fl oz</p> <p>(0.078 to 0.098 lb. a.i. /100 gal)</p>	<p>4 to 5 fl oz</p> <p>(0.078 to 0.098 lb. a.i. /A)</p>	<p>Application Instructions:</p> <p>Pyriofenone can be applied to cucumbers grown in commercial greenhouses and shade-houses for production or retail transplants.</p> <p>For powdery mildew control, make fungicide applications prior to disease initiation on a 7- to 10-day schedule beginning when conditions are favorable for disease development, from germination to mature crop. Use the specified low rate and long interval when conditions favor disease development and disease pressure is low. Increase use to the highest listed rate and shortest interval under heavy disease pressure. Normal spray volumes range from 20 to 100 gallons per acre (GPA). Pyriofenone may be applied via irrigation systems. Follow the directions noted above.</p> <p>Resistance Management:</p> <p>DO NOT make more than 2 sequential applications of PYRIOFENONE ORNAMENTAL FUNGICIDE or other Group 50 containing fungicide before rotating to a fungicide with a different mode of action.</p> <p>Restrictions:</p> <p>DO NOT apply more than 16 fl oz/A/year (0.32 lb. a.i./A/year).</p> <p>DO NOT exceed 4 applications per acre per year.</p> <p>The Pre-Harvest Interval (PHI) for greenhouse grown cucumbers is 0 day.</p> <p>The maximum single use rate is 5 fl. oz. (0.098 lb. a.i.) per acre.</p> <p>The minimum re-treatment interval is 7 days.</p> <p>Intended for use by greenhouse professional applicators.</p> <p>Not intended for use by the homeowner.</p>

For Applications to Greenhouse Grown Crops (Continued)

Includes all members of the Fruiting Vegetable Tomato Crop Subgroup 8-10A: bush tomato; cocona; currant tomato; garden huckleberry; goji berry; groundcherry; naranjilla; sunberry; tomatillo; tomato; tree tomato; cultivars, varieties, and/or hybrids of these commodities.

Includes all members of the Fruiting Vegetable Pepper/Eggplant Crop Subgroup 8-10B: African eggplant; bell pepper; eggplant; martynia; non-bell pepper; okra; pea eggplant; pepino; roselle; scarlet eggplant; cultivars, varieties, and/or hybrids of these commodities.

PYRIOFENONE – 07212022