

499-368

05/21/2003

116



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

MAY 21 2003

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Dana M. Thomas
Manager, Product Registration
Whitmore Micro-Gen Research Laboratories
3568 Tree Court Industrial Blvd
St. Louis, Mo 63122-6682

Subject: Whitmore PT 2000 Green-Shield
Horticultural Algicide Disinfectant
EPA Registration No. 499-368
Amendment Dated: February 14, 2003
EPA Received Date: February 20, 2003

Dear Dana M. Thomas,

The following amendment submitted in connection with registration under section 3(c)(7)(a) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended, is acceptable with the following conditions.

Proposed Amendment

- Response to Agency letter dated September 18, 2002

Conditions

1. Add the following phrase for container sizes 5 gallons or more:

Do not discharge effluent containing this product into lakes, stream ponds, estuaries, oceans other water unless in accordance with the requirements of the National Pollutant Discharge Elimination System (NPDES) permit and permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your state Water Board or regional Office of EPA.

2. Add the following Physical or Chemical Hazards Statement:

PHYSICAL OR CHEMICAL HAZARDS

CONCURRENCES						
SYMBOL	Do not mix iron based micro-nutrients, dye indicators or other anionic materials					
URL NAME						
DATE						

Comments

Only the last two pages of the submitted label were reviewed. These pages included complete use directions for this product.

A stamped label is enclosed for your records. Please submit three (3) copies of your final printed label before distributing or selling the product bearing the revised labeling. If the above conditions are not compiled with, the registration will be subject to cancellation in accordance with FIFRA section (e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of this condition.

Should you have any questions or comments concerning this letter, please contact Velma Noble at (703) 308-6233.

Sincerely,



Velma Noble
Product Manager (31)
Regulatory Management Branch1
Antimicrobial Division (7510c)

WHITMIRE PT[®] 2000



Horticultural Algicide Disinfectant & Fungicide

[ALTERNATE BRAND NAME: Prescription Treatment brand Green-Shield Disinfectant & Algicide]

THIS PRODUCT IS A CONCENTRATE AND MUST BE DILUTED BEFORE USING.

ACTIVE INGREDIENT:

n-Alkyl (60%C14, 30%C16, 5%C12, 5%C18) dimethyl benzyl ammonium chloride	10.0%
n-Alkyl (68%C12, 32%C14) dimethyl ethylbenzyl ammonium chloride	10.0%

OTHER INGREDIENTS:	80.0%
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TOTAL: 100.0%

EPA Reg. No. 499-368 EPA Est. No. 499-MO-1

**KEEP OUT OF REACH OF CHILDREN
DANGER**

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

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

IF INHALED: 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 treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-225-3320 for emergency medical treatment information.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

See back panel for additional Precautionary Statements.

NET CONTENTS: 1 Gallon

PT 2000 Front Panel



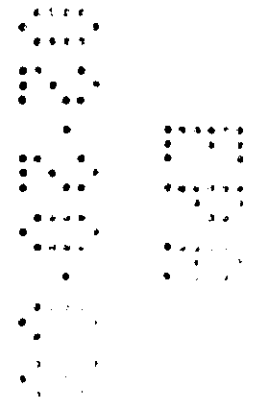
WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
800-777-8570

Version v4.0.2 (rev. 2/03)

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAY 21 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 499-368





PT® 2000 Green-Shield®

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, protective clothing, and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

See supplemental label for complete label directions.

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.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

PESTICIDE STORAGE: Store in original container in an area inaccessible to children, preferably in a locked storage area. Do not store in a manner where cross contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, soak up spillage with absorbent material and dispose of in accordance with Pesticide Disposal Instructions listed below.



PESTICIDE DISPOSAL: Pesticide wastes are acutely 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 DISPOSAL: Empty container by using the product in accordance with the label directions. Do not reuse container! Place empty container in trash or offer for recycling if available. If container is partly filled, call your local solid waste agency or call 1-800-CLEANUP for disposal instructions. **NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!**

FOR ORNAMENTAL HORTICULTURE

WORK AREA AND BENCHES: Spray or swab working surfaces before each work period. Again after each plant is completed, to help control transfer of such diseases as root rot, crown rot, botrytis, downy mildew. USE: 1 Tablespoon of this product concentrate to 1 gallon water.

POTS, FLATS AND FLOWER BUCKETS: Used pots and flats should be brushed or washed, then soak in this product solution for 10 minutes before using to help control transfer of such diseases as root and crown rots, anthracnose, mildew, rusts and blight. USE: 1 Tablespoon of this product per gallon water.

DISINFECTING CUTTING TOOLS: Soak cutting edge of tool for 10 minutes in this product solution before use to help control transfer of such diseases as stem and root rots, Tobacco Mosaic Virus (TMV) and botrytis. Use wet tool on plants. At end of work, dry and oil tools. USE: 1 teaspoon of this product concentrate per quart of water.

ALGAE - GREENHOUSE GLASS: Spray or swab surfaces with this product. Allow to air dry. Wash off dead algae with water. Spray clean surfaces again with this product solution. USE: 1 teaspoon of this product concentrate per gallon water.

ALGAE - WALKWAYS: For heavy infestation, spray or swab. Let stand for an hour or more. Brush and wash away dead algae. Soak area again with this product. Do not rinse. This product will inhibit the growth of algae on walkways. Allow to dry on surface and repeat application when algae growth returns. USE: 1 Tablespoon of this product concentrate to 1 gallon water.

A PRESCRIPTION TREATMENT® brand product from:

Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6682
www.wmrg.com

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PT 2000 Back Panel

Version 4.0.2 (rev. 2/03)

WHITMIRE PT® 2000

Green-Shield

Horticultural Algicide Disinfectant & Fungicide

[ALTERNATE BRAND NAME: Prescription Treatment brand Green-Shield Disinfectant & Algicide]

THIS PRODUCT IS A CONCENTRATE AND MUST BE DILUTED BEFORE USING

ACTIVE INGREDIENTS:

n-Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈) dimethyl benzyl ammonium chloride 10.0%

n-Alkyl (68% C₁₂, 32% C₁₄) dimethyl ethylbenzyl ammonium chloride 10.0%

OTHER INGREDIENTS: 80.0%

TOTAL: 100.0%

EPA Reg. No. 499-368 EPA Est. No. 499-MO-1

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

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.

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IF INHALED: 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 treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-225-3320 for emergency medical treatment information.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
800-777-8570

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, protective clothing, and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT: Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

APPLICATORS AND OTHER HANDLERS MUST WEAR:

- Coveralls worn over long-sleeved shirt and long pants.
- Waterproof gloves.
- Chemical-resistant footwear and socks.
- Protective eyewear (goggles or face shield).
- Chemical-resistant headgear when using this product for algae control in overhead watering systems.
- Chemical-resistant apron when mixing, loading or cleaning equipment.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with undiluted product. Do not reuse them. 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.

USER SAFETY RECOMMENDATIONS

Users must:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing 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

This product is toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark except for algae control in decorative ponds, fountains or water displays. Do not contaminate water when disposing of equipment washwaters.

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.

GENERAL INFORMATION

This product has been designed specifically for greenhouse and home use where cross contamination may occur. It will help to control fungal, bacterial and viral plant pathogens, bacterial and fungal leaf rots, slime forming fungi, odor-causing bacteria and algae.

Preclean all surfaces prior to application of disinfectant solution. All inanimate surfaces must be thoroughly wetted and remain wet for 10 minutes for disinfection. Prepare fresh solution at least daily or when use solution becomes visibly dirty.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies only when this product is used in commercial greenhouses.

Keep unprotected persons, children, pets and others out of treated areas until sprays have dried.

FOR ORNAMENTAL HORTICULTURE

DISINFECTING WORK AREA AND BENCHES: Create a use solution by diluting 1 tablespoon of product concentrate to 1 gallon of water. Before each work period, spray or swab working surfaces with use solution and allow to stand for 10 minutes. Reapply after each plant is completed, to help control transfer of such diseases as root rot, crown rot, botrytis, downy mildew.

DISINFECTING POTS, FLATS AND FLOWER BUCKETS: Create a use solution by diluting 1 tablespoon of product concentrate to 1 gallon of water. Brush or wash used pots and flats, then soak in this use solution for 10 minutes before using to help control transfer of such diseases as root and crown rots, anthracnose, mildew, rusts and blight.

DISINFECTING CUTTING TOOLS: Create a use solution by diluting 1 teaspoon of product concentrate to 1 quart of water. Soak cutting edge of tool for 10 minutes in this use solution before use to help control transfer of such diseases as stem and root rots, Tobacco Mosaic Virus (TMV) and botrytis. Use wet tool on plants. At end of work, dry and oil tools.

ALGAE - GREENHOUSE GLASS: Create a use solution by diluting 1 teaspoon of product concentrate to 1 gallon of water. Spray or swab surfaces with this use solution and allow to air dry. Wash off dead algae with water. Spray clean surfaces again with this use solution, but do not rinse.

ALGAE - WALKWAYS: Create a use solution by diluting 1 tablespoon of product concentrate to 1 gallon of water. For heavy infestation, spray or swab with this use solution and let stand for an hour or more. Brush and wash away dead algae. Soak area again with this use solution, but do not rinse. This product will inhibit the growth of algae on walkways. Allow to dry on surface and repeat application when algae growth returns.

EVAPORATIVE COOLERS - ALGAE, FUNGUS, ODORS: Use 1 teaspoon of this product per 15 gallons water every other week. Controls algae, slime forming fungi on cooler pads and certain fungal plant pathogens that may carry over in the cooler, as well as bacterial odors.

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PT 2000 Green-Shield

ALGICIDE FOR DECORATIVE POOLS, FOUNTAINS AND WATER DISPLAYS

DO NOT USE WHEN FISH ARE PRESENT.

Remove floating algae by raking, dragging with cable or chain, skimming, or any other suitable method. It is more economical to remove floating type algae before the water is treated. NOTE: Algae does not usually grow in water that is 5 feet or more in depth. However, floating type algae may grow on pond weeds that grow on the surface of the water.

DECORATIVE POOLS

APPLICATION DIRECTIONS: Create a "use solution" by adding the prescribed amount of product to four (4) or more parts water. Treat water by "dribbling" the use solution around the edges where visible algae growth is evident. The use solution is often dribbled liberally along the windward side to float across the water and along the leeward side where contamination gathers. Where a spray rig is available, it may be used to apply the use solution instead of the hand "dribbling" method.

INITIAL DOSAGE:

Volume to be Treated	Amount of Product	Final Dilution of Active
52 gallons	1 tsp.	5 ppm
312 gallons	1 fl. oz.	5 ppm
5,000 gallons	1 pt.	5 ppm
10,000 gallons	1 qt.	5 ppm

WEEKLY MAINTENANCE: Apply use solution by hand or automatic proportional until the permissible bubble level is obtained, but do not use more than one half (1/2) the initial dosage.

NOTE: When pool is to remain empty for several weeks or longer, spray all exposed surfaces with solution (1 ounce per 2 gallons of water). This will control the growth of algae.

APPLICATIONS FOR FOUNTAINS AND WATER DISPLAYS

INITIAL TREATMENT: Create a "use solution" by adding the prescribed amount of product to four (4) or more parts water. Use 1/2 tsp. product per 52 gallons of water to be treated. With fountain operating, treat water by "dribbling" the use solution around the edges until slight patches of foam appear. Overdose reduces lighting efficiency.

WEEKLY MAINTENANCE: Create a use solution using no more than one half (1/2) the initial dosage. Add as described above until foam reappears.

MONTHLY MAINTENANCE: Drain and clean bowl. Refill with fresh water and repeat initial treatment. Draining removes airborne dirt, dust, contamination and alkali buildup.

SANITIZER: COMMERCIAL FOOD GRADE EGGS ONLY

To sanitize PREVIOUSLY CLEANED WHOLE FOOD GRADE EGG SHELLS (dirty, cracked, or punctured eggs cannot be sanitized) in shell egg and egg processing plants intended for food or food products, spray with a solution of

1/2 ounce of product in 4 gallons of water (providing 195 ppm of active ingredient). The solution should be equal to or warmer than the eggs, but not to exceed 130° F. Wet eggs thoroughly and allow to drain. Eggs that have been sanitized with this product shall be subjected to a thorough potable water rinse only if they are to be immediately broken for use in the manufacture of egg products. Eggs should be reasonably dry before casing or breaking. The solution should not be reused for sanitizing eggs.

SANITIZER: FOOD CONTACT SURFACES ONLY

For use in restaurants, dairies, and food processing plants. Remove all gross food particles and soil from areas which are to be sanitized with a routine pre-flush, pre-soak or pre-scrape treatment. Thoroughly pre-clean all surfaces with a detergent. Then rinse with a potable water prior to applying the sanitizing solution. To sanitize pre-cleaned inanimate non-porous food contact surfaces, prepare a 195 ppm active solution by adding 1/2 ounce of this product to 4 gallons of water.

To sanitize immobile items such as counter tops, flood the area for at least 60 seconds, making sure to wet all surfaces completely. Remove, drain the use solution from the surface, and let air dry. Prepare fresh solution at least daily or when use solution becomes visibly dirty.

To sanitize mobile items such as drinking glasses, eating utensils, immerse the item for at least 60 seconds, making sure to immerse completely. Remove, drain the use solution from the surface, and let air dry. Prepare fresh solution at least daily or when use solution becomes visibly dirty.

GENERAL PURPOSE DISINFECTANT

For use in food processing plants, dairies, restaurants, animal quarters, poultry and turkey farms, kennels and other non-medical institutions to disinfect pre-cleaned inanimate hard non-porous surfaces such as floors and walls. Remove all gross filth or heavy soil and thoroughly clean the surfaces prior to application of the disinfectant solution. Prepare a disinfecting solution of 1 3/4 ounce per 5 gallons of water and apply with a mop, cloth or mechanical sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. Prepare a fresh solution daily or when solution becomes diluted or soiled.

POULTRY HOUSE DISINFECTANT

- 1) Remove all poultry and feeds from premises, trucks, coops and crates.
- 2) Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry.
- 3) Empty all troughs, racks, and other feeding and water appliances.
- 4) Thoroughly clean all surfaces with soap or detergent and rinse with water.
- 5) Saturate surfaces with the recommended disinfecting solution (1 3/4 ounce per 5 gallons of water) for a period of 10 minutes.
- 6) Ventilate buildings, coops and other closed spaces. Do not house poultry or employ equipment until treatment has absorbed, set or dried.
- 7) Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

FARM PREMISE DISINFECTANT

- 1) Remove all animals and feed from premises, vehicles and enclosures.

- 2) Remove all litter and manure from floors, walls and surfaces of barns, stables, stalls, pens, chutes, kennels and other facilities and fixtures occupied or traversed by animals.
- 3) Empty all troughs, racks, and other feeding and watering appliances.
- 4) Thoroughly clean all surfaces with soap or detergent and rinse with water.
- 5) Saturate surfaces with the recommended disinfecting solution (1 3/4 ounce per 5 gallons of water) for a period of 10 minutes.
- 6) Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
- 7) Ventilate buildings and other closed spaces. Do not house livestock or employ equipment until treatment has absorbed, set or dried.
- 8) Thoroughly scrub treated feed racks, troughs, mangers, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

PESTICIDE STORAGE: Store in original container in an area inaccessible to children, preferably in a locked storage area. Do not store in a manner where cross contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, soak up spillage with absorbent material and dispose of in accordance with Pesticide Disposal instructions listed below.

PESTICIDE DISPOSAL: Pesticide wastes are acutely 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 DISPOSAL (1 Gallon): Empty container by using the product in accordance with the label directions. Do not reuse container! Place empty container in trash or offer for recycling if available. If container is partly filled, call your local solid waste agency or call 1-800-CLEANUP for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

CONTAINER DISPOSAL (Greater than 1 Gallon): Empty container by using the product in accordance with the label directions. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

A PRESCRIPTION TREATMENT® brand product from:

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