

83742-2

07-12-2011

1
10



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Chemical Safety and Pollution Prevention
Office of Pesticide Programs
Registration Division (7504P)
1200 Pennsylvania Ave., N.W.
Washington, DC 20460

EPA Reg. Number:

83742-2

Date of Issuance:

JUL 12 2011

Term of Issuance:
Unconditional

Name of Pesticide Product:

PondWeed Defense

NOTICE OF PESTICIDE:

- Registration
- Reregistration
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

**The Pond Guy
6135 King Road
Marine City, MI 48039**

Mailed to:

Sherry Hutcheson

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

EPA received a label amendment request submitted by email on July 8, 2011. EPA grants this request under the authority of section 3(c)(5) of the Federal Insecticide, Fungicide and Rodenticide Act, as amended. With this accepted labeling, all requirements set forth in the Reregistration Eligibility Decision for coppers have been satisfied. Therefore, EPA reregisters the product listed above. This action is taken under the authority of section 4(g)(2)(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Page 1 of 2

Signature of Approving Official:

Date:

JUL 12 2011

Tony Kish, Product Manager (22)
Fungicide Branch/Registration Division/OPP/OCSP (7504P)

Notice of Pesticide Reregistration
PondWeed Defense
EPA Reg. No. 83742-2
Page 2 of 2

Submit one (1) copy of final printed labeling. Amended labeling will supersede all previously accepted labels. A copy of your label stamped "Accepted" is enclosed for your records. Products shipped after 12 months from the date of this Notice or the next printing of your label, whichever occurs first, must bear the new revised label.

The revised basic Confidential Statement of Formula (CSF) dated 8/6/2010 referred to above, submitted in connection with reregistration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable. This CSF supersedes all CSFs previously accepted for this product.

If you have any questions or comments regarding this letter, please contact Robert Westin at (703) 305-5721 or via e-mail at westin.robert@epa.gov.

Enclosure:

- Label stamped "Accepted"
- PRB Label Review dated 9/1/2010
- Acute Toxicity Review DP380839 dated 8/26/2010
- Product Chemistry Review DP380838 dated 8/9/2010

3
10

PondWeed Defense draft label
Revision 3
July 8, 2011

PONDWEED DEFENSE

AQUATIC HERBICIDE

For use in Fresh Water Lakes, Potable Water Reservoirs, Ponds (including Golf Course Ponds), Fish Hatcheries, and Other Such Slow Moving or Quiescent Bodies of Water Less Than 4 Feet Deep.

Water treated with PondWeed Defense may be used immediately after treatment for recreational activities.

ACTIVE INGREDIENT

Copper sulfate pentahydrate (CAS No. 7758-99-8)31.27%*

OTHER INGREDIENTS 68.73%

TOTAL100.00%

*8% copper as metallic

One Gallon Contains 0.8 Pounds of copper as metallic

KEEP OUT OF THE REACH OF CHILDREN

WARNING/AVISO

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.)

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> • 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 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.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies involving this product, call toll free 1-888-875-1724.	
See Label for Additional Precautions and Directions for Use.	

ACCEPTED
JUL 12 2011
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under
 EPA Reg. No. 83742-2

The Pond Guy d/b/a Airmax EcoSystems Inc.
6135 King Road
Marine City, MI 48039

EPA Reg. No. 83742-2

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING

May be fatal if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. For applications in waters destined for use as drinking water, those waters must receive additional and separate potable water treatment. Do not apply more than 1.0 ppm as metallic copper in these waters.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators, and other handlers must wear the following:

- Long-sleeved shirt and long pants,
- Shoes and socks, and
- Chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber or Viton.

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 material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

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

This pesticide is toxic to fish and aquatic invertebrates. Waters treated with this product may be hazardous to aquatic organisms. Treatment of aquatic weeds and algae can result in oxygen loss from decomposition of dead algae and weeds. This oxygen loss can cause fish and invertebrate suffocation. To minimize this hazard, do not treat more than 1/2 of the body of water to avoid depletion of oxygen due to decaying vegetation. Wait at least 14 days between treatments. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas. Consult with the State or local agency with primary responsibility for regulating pesticides before applying to public waters, to determine if a permit is required. Certain water conditions including low pH (<6.5), low dissolved organic carbon (DOC) levels (3.0 mg/L or lower), and "soft" waters (i.e., alkalinity less than 50 mg/L), increases the potential acute toxicity to non-target aquatic organisms.

5
19

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place.

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 Handling: NONREFILLABLE CONTAINER: 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. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. 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.

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Nozzle Height

Do not apply with a nozzle height greater than 4 feet above the water surface.

Equipment

All application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Droplet Size

Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Wind Speed

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition (approximately 3 to 10 mph), and there are no sensitive areas within 250 feet downwind.

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of

6
19

temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of copper compounds. Where states have more stringent regulations, they must be observed.

PRODUCT INFORMATION

PondWeed Defense may be applied to fresh water lakes, potable water reservoirs, ponds (including golf course ponds), fish hatcheries and other such slow moving or quiescent bodies of water less than 4 feet deep.

Weeds Controlled:

Brazilian Elodea (*Egeria densa*), Common Elodea (*Elodea canadensis*), Coontail (*Ceratophyllum demersum*), Hydrilla (*Hydrilla verticillata*), Southern/Northern Naiads (*Najas* sp.), Water Lettuce (*Pistia stratiotes*), and Water Hyacinth (*Eichhornia crassipes*).

Additional Weeds Controlled in Soft Waters:

Eurasian Watermilfoil (*Myriophyllum spicatum*), Sago Pondweed (*Potamogeton pectinatus*), and American Pondweed (*Potamogeton nodosus*).

Unless specifically prohibited by the mix partner label, PondWeed Defense may be tank mixed with fluridone, diquat and endothall, as part of a broader spectrum weed control program (specific instructions for tank mixes are given in the directions for use). If a product is tank mixed with PondWeed Defense, the most stringent requirements of the PondWeed Defense and mix partner labels must be met.

Because PondWeed Defense works through absorption into the plant, it must be applied in a way that maximizes contact with the target aquatic weeds. Apply PondWeed Defense during periods of active weed growth to the leaf surfaces in areas of dense weed foliage. Algae and silt in the water column, or on the weed surfaces, will reduce the herbicidal effect of PondWeed Defense by competitively removing the product from the water column. Interference with PondWeed Defense's activity due to the presence of algae can be mitigated by tank mixing PondWeed Defense, with a copper based algaecide, such as Symmetry, or pre-treating the area with Symmetry.

Surface applications of PondWeed Defense may be made using a land-based sprayer, or spray boat. Weighted trailing hoses are recommended for subsurface applications. Where appropriate, PondWeed Defense can be applied as an invert emulsion, or as an admixture with a suitable polymer, (see specific instructions, and only select adjuvants approved for application in food crop production). In order to assure uniform coverage of the treated area, the applicator may use PondWeed Defense as an undiluted product or may make an initial dilution prior to application.

Because it must be adsorbed into the plant to be effective, applications of PondWeed Defense should be made when contact times of at least 12 to 24 hours can be obtained. Effective treatment is indicated by the submergence of target vegetation 3 to 7 days after treatment. If necessary, repeat applications of PondWeed Defense may be made. Applicator should wait 14 days before re-treatment. The full effect of the treatment will require up to six weeks after the initial effect is observed.

Solutions of PondWeed Defense with copper concentrations in excess of 1.0 ppm may cause non target plant injury. Do not allow sprays to drift over crops, ornamentals, grass or other desirable plants. Observe all label restrictions.

Decomposition of dead plant material can result in dissolved oxygen depletion and subsequent fish

9
10

Table 1. Application Rate Data for Large Treatment Areas

Average Water Depth of Treatment Site (feet)	Gallons of PondWeed Defense per Surface Acre to Achieve the Desired Copper Concentration		
	0.5 ppm	0.75 ppm	1.0 ppm
1	1.7	2.5	3.3
2	3.3	5.0	6.7
3	5.0	7.5	10.0
4	6.7	10.0	13.4

For smaller treatment areas it is more convenient to calculate the amount of PondWeed Defense necessary in terms of ounces per 1,000 square ft.

The raw surface area in square feet is divided by 1000 to give the number of thousand square foot increments and this value is entered into the following calculation.

Target Copper Concentration (ppm) x Ave. Depth (feet) X Surface Area (1000 sq. ft.) X 10= Fluid Ounces of PondWeed Defense

Table 2 provides the results of this calculation on a per 1000 square feet basis for 1 to 10 foot average water depths in 1 foot increments for target copper concentrations of 0.5, 0.75, and 1.0 ppm.

Table 2. Application Rate Data for Smaller Treatment Areas

Average Water Depth of Treatment Site (feet)	Fluid Ounces of PondWeed Defense per 1,000 Square Feet to Achieve the Desired Copper Concentration		
	0.5 ppm	0.75 ppm	1.0 ppm
1	5.0	7.5	10.0
2	10.0	15.0	20.0
3	15.0	22.5	30.0
4	20.0	30.0	40.0

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

