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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

NOTIFICATION

APR 11 2007

Gary R. Orr
Agent for The Pond Guy, Inc.
D/B/A Airmax Eco-Systems, Inc.
C/o Rivendell Consulting USA, LLC
400 East Jane Street
Valdosta, GA 31601

APR 11 2007

SUBJECT: Application for Pesticide Notification – Add Graphics/Deletion of Pest
PondWeed Defense™
EPA Reg. No. 83742-2
Application Dated February 22, 2007

Dear Mr. Orr:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the product above. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please me directly at 703-305-6249 or Terri Stowe of my staff at 703-305-6117.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

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NOTIFICATION

APR 11 2007



PONDWEED DEFENSE™

Aquatic Herbicide

EPA REG. NO. 83742-2
EPA EST. NO. 37429-GA-2

ACTIVE INGREDIENT	
*Copper sulfate pentahydrate	31.27%
INERT INGREDIENTS.....	68.73%
TOTAL	100.00%

*8.0% elemental copper
One Gallon Contains 0.8 Pounds of Elemental Copper

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.

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

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See Additional Precautions on Side and Back Panels

Airmax® Eco-Systems, Inc. • Marine City, MI 48039
www.airmaxeco.com • 866-4-AIRMAX

NET CONTENTS: ONE GALLON (3.78 LITERS)



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GENERAL INFORMATION

Pond Weed 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.

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:

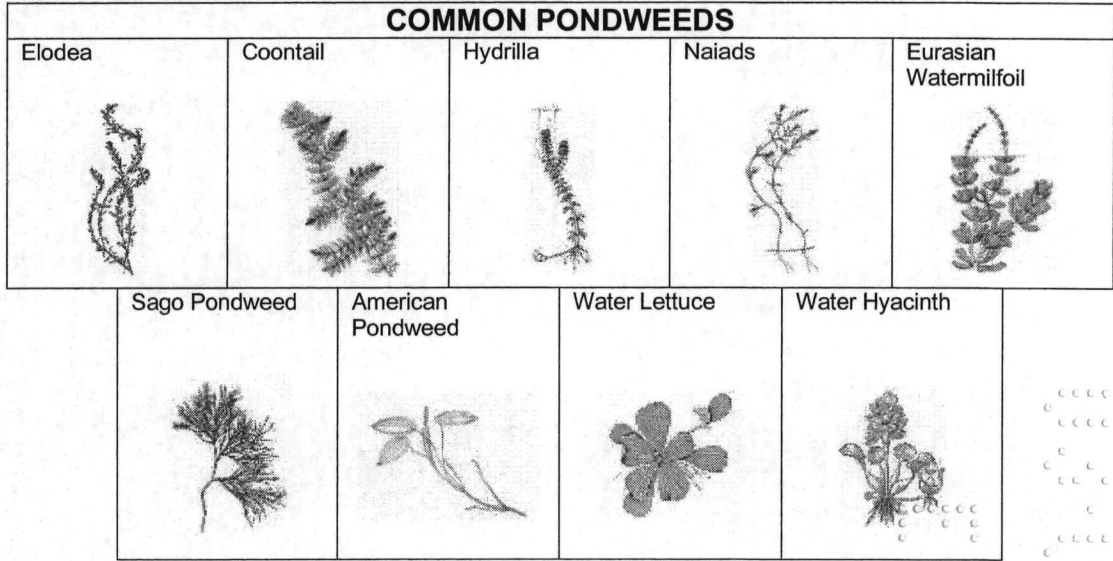
Eurasian Watermilfoil (*Myriophyllum spicatum*), Sago Pondweed (*Potamogeton pectinatus*), and American Pondweed (*Potamogeton nodosus*).

Unless specifically prohibited by the mix partner label, Pond Weed Defense may be tank mixed with fluridone, diquat and endothal, 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 Pond Weed Defense, the most stringent requirements of the Pond Weed Defense and mix partner labels must be met.

Because Pond Weed Defense works through absorption into the plant, it must be applied in a way that maximizes contact with the target aquatic weeds. Apply Pond Weed 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 Pond Weed Defense by competitively removing the product from the water column. Interference with Pond Weed Defense's activity due to the presence of algae can be mitigated by tank mixing Pond Weed Defense, with a copper based algaecide, such as Algae Defense, or pre-treating the area with Algae Defense.

Surface applications of Pond Weed Defense may be made using a land-based sprayer, or spray boat. Weighted trailing hoses are recommended for subsurface applications. In order to assure uniform coverage of the treated area, the applicator may use Pond Weed 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 Pond Weed 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 Pond Weed Defense may be made. Applicator should wait 10-14 days before re-treatment. The full effect of the treatment will require up to six weeks after the initial effect is observed.



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DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Solutions of Pond Weed Defense with cupric ion 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 kill. High water temperatures and dense weed infestation are exacerbating factors. To avoid excessive oxygen depletion and fish kill, treat no more than 1/2 of the water body at one time. Do not apply more Pond Weed Defense than required for the treatment area, and allow 10 to 14 days before making application to the remaining portion of the water body. Avoid trapping fish between the shoreline and treatment areas by treating from the shore outward toward deeper, untreated water.

WATER USE RESTRICTIONS

The residue of copper in potable water reservoirs must not exceed 1 ppm.

Application Rates for Aquatic Weed Control or Suppression in Quiescent or Slow Moving Water*

Hydrilla verticillata (Hydrilla) is controlled at application rates equivalent to 0.75 – 1.0 ppm Cu++.

Weeds suppressed at application rates ranging from 0.50 to 1.0 ppm Cu++ are: Egeria densa (Brazilian Elodea), Najas sp. (Southern/Northern Naiads), Ceratophyllum demersum (Coontail), and Elodea canadensis (Common Elodea).

Weeds suppressed at application rates ranging from 0.75 to 1.0 ppm Cu++ are: Eichhornia crassipes (Water Hyacinth), Myriophyllum spicatum** (Eurasian Watermilfoil), Pistia stratiotes (Water Lettuce), Potamogeton nodosus** (American Pondweed), and Potamogeton pectinatus** (Sago Pondweed).

* Light weed infestation allows use of lower rate, and high weed density requires higher rate.

** Control can be obtained in low hardness waters.

APPLICATION RATE CALCULATION

For large treatment areas it is most convenient to determine the surface area in acres and the average depth in feet.

The average depth is defined as the cumulative total of a series of depth measurements divided by the number of measurements made. The accuracy of the average will increase with increasing measurements.

The area of a rectangular treatment area is its length in feet times its width in feet, and the area of a circular treatment is the square of its radius (in feet) that is then multiplied by 3.14. The result of either calculation is area in square feet. This result is divided by 43,560 to give the area in acres

The amount of material to be applied to this multi-acre site is calculated by using the following formula and the desired copper concentration:

$$\text{Target [Cu++]} (\text{ppm}) \times \text{Ave. Depth (feet)} \times \text{Surface Area (acres)} \times 3.34 = \text{Gallons of Pond Weed Defense}$$

Table 1 provides the results of this calculation on a per acre basis for 1 to 4 foot average water depths in 1 foot increments for target copper concentrations of 0.5, 0.75, and 1.0 ppm.

0.5	1	2	3	4
0.75	1	2	3	4
1.0	1	2	3	4

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Table 1. Application Rate Data for Large Treatment Areas

Product not intended for treating water depths exceeding 4 feet.

Average Water Depth of Treatment Site (feet)	Gallons of Pond Weed Defense per Surface Acre to Achieve the Desired Copper Concentration		
	Low Density Growth	Medium Density Growth	High Density Growth
	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 Pond Weed 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.

$$\text{Target [Cu}^{++}\text{] (ppm) x Ave. Depth (feet) X Surface Area (1000 sq. ft.) X 10 = Ounces of Pond Weed Defense}$$

Table 2 provides the results of this calculation on a per 1000 square feet basis for 1 to 4 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

Product not intended for treating water depths exceeding 4 feet.

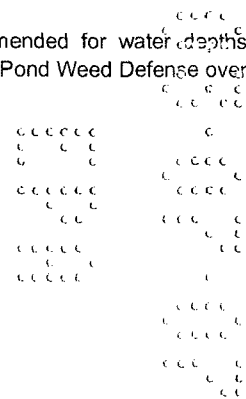
Average Water Depth of Treatment Site (feet)	Fluid Ounces of Pond Weed Defense per 1,000 Square Feet to Achieve the Desired Copper Concentration		
	Low Density Growth	Medium Density Growth	High Density Growth
	0.5 ppm	0.75 ppm	1.0 ppm
1	5.0	7.5	10.0
2	10.0	15.0	20.0
3	15.0	22.5	30.0
4	20.0	30.0	40.0

METHODS OF APPLICATION

SPRAY BOAT

Surface Application: Surface applications are appropriate for shallow depths of 4 feet or less. Product not intended for use with inverts.

Subsurface Application: Subsurface applications of Pond Weed Defense are recommended for water depths exceeding 4 feet. Weighted trailing hoses should be set to deliver the recommended rate of Pond Weed Defense over the leaf surfaces in zones containing dense foliage. Avoid dragging the hoses on the bottom.



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

Harmful if swallowed. Avoid contact with skin and eyes. Wash thoroughly with soap and water after handling. Do not apply this product in a manner as to directly expose workers or other persons.

ENVIRONMENTAL HAZARDS

This product may be toxic to fish. Trout and other species of fish may be killed at application rates recommended on this label. Generally, fish toxicity is reduced as water hardness increases. Consult State Fish and Game Agency before applying this product to public waters. Do not allow spray to drift.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store product in a cool dry place and in original container only. Keep container closed when not in use.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

