

8959-9

06/01/2004

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

JUN 1 2004

Marianne Radtke
Applied Biochemists
W175 N11163 StoneWood Drive
Suite 234
Germantown, WI 53022-4799

Dear Ms. Radtke:

Subject: Submission of Amended Label - First Aid Revisions
Weedtrine D Aquatic Herbicide
EPA Registration Number 8959-9
Application Submission dated March 10, 2004

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

1. The second and third sentences after "If Swallowed"(under First Aid) should be removed, and should read as follows:
 - a. Have person sip a glass of water if able to swallow.
 - b. Do not induce vomiting unless to do so by the poison control center or doctor.
 - c. Do not give anything by mouth to an unconscious person.
2. Under the Application for Duckweed instructions you state 160 gallons of this solution can treat an acre, but in the previous accepted label you had 150 gallons for this section. Please clarify.

One copy of the label stamped "Accepted with comments" is enclosed for your records. This label supercedes all labels previously accepted for this product. Please submit one copy of the final printed label that incorporates the required changes before the product is released for shipment. If you have any questions, please contact Tracy White by phone at (703) 308-0042 or via email at white.tracy@epa.gov.

Sincerely,



Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosure

WEEDTRINE®-D

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AQUATIC HERBICIDE

E.P.A. Reg. No. 8959-9

E.P.A. Est. No. 42291-GA-1

FOR USE IN AND AROUND STILL LAKES - PONDS - DITCHES

ACTIVE INGREDIENT

Diquat dibromide [6,7-dihydrodipyrido (1,2-a:2',1'-C) pyrazinediium dibromide] 8.53%

INERT INGREDIENTS

91.47%

TOTAL

100.00%

WEEDTRINE-D CONTAINS 0.4 lb. diquat cation per gallon as 0.746 lb. salt per gallon.

KEEP OUT OF REACH OF CHILDREN WARNING

FIRST AID

IF SWALLOWED: Call poison control center or doctor immediately for treatment advice. Immediately give water or milk to drink and induce vomiting by inserting finger in throat. Do not induce vomiting or give anything by mouth to an unconscious person. Take person and product container to the nearest hospital or physician fast. **PROMPT TREATMENT IS ESSENTIAL TO COUNTERACT POISONING** and should be initiated before signs and symptoms of injury appear.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes, then continue rinsing eye.

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 INHALED: Move person to fresh air. If person is not breathing, immediately 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.

NOTE TO PHYSICIAN:

To be effective, treatment for diquat poisoning must begin **IMMEDIATELY**. Treatment consists of binding diquat in the gut with suspensions of activated charcoal or bentonite clay, administration of cathartics to enhance elimination, and removal of diquat from the blood by charcoal hemoperfusion or continuous hemodialysis. For Poison Control Information call 800-222-1222.

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

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

ONE GALLON (3.78 Liters)



applied biochemists
 Germantown, WI 53022
 1-800-558-5106

www.appliedbiochemists.com

ACCEPTED
with COMMENTS
in EPA Letter Dated
JUN 1 2004

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

8959-9

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

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WARNING: May be fatal if swallowed, inhaled or absorbed through skin. Causes substantial but temporary eye injury, causes skin irritation. Do not get material on skin, eyes or clothing. Do not breathe spray mist in order to avoid nasal, throat and respiratory tract irritation.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Applicators and other handlers must wear coveralls over long-sleeved shirt and long pants, chemical resistant gloves, chemical resistant footwear plus socks, chemical resistant headgear for overhead exposure and a chemical resistant apron when cleaning equipment, mixing or loading; and a dust/mist filtering respirator with NIOSH approval number prefix TC-21C.

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

USER SAFETY RECOMMENDATIONS: Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outsides of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS: This product is toxic to aquatic invertebrates. Do not apply directly to water except as specified on this label. Do not use treated water for animal consumption, spraying irrigation or drinking purposes until 5 days after treatment. Treatment of dense weed areas may result in oxygen loss from decomposition of dead weeds. This loss of oxygen may cause fish suffocation. Therefore, treat only 1/3 to 1/2 of the dense weed areas at a time and wait 14 days between treatments. **DO NOT APPLY TO MUDDY WATER.** Avoid muddy water during application. Do not apply under conditions of high wind and wave action. Do not apply where plants are covered with mud deposits. Do not contaminate water when disposing of equipment wash waters. Consult your State Fish and Game Agencies before applying this product to public waters. Necessary approval and/or permits should be obtained prior to application if required.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.
STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Do not contaminate feed, foodstuffs or drinking water. Do not store or transport near feed or food. Store at temperatures above 32°F.

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 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: 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.

GENERAL INFORMATION: WEEDTRINE-D is a non-volatile herbicide for use in controlling submersed and floating aquatic weeds. Absorption and herbicidal action of WEEDTRINE-D is usually quite rapid with effects visible in a few days.

DIRECTIONS FOR USE:

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

AQUATIC USE SITES

For application only to ponds, lakes and drainage ditches where there is little or no outflow of water and which are totally under the control of the product's user. Do not use treated water for animal consumption, spraying, irrigation or domestic purposes for 5 days after treatment.

SUBMERSED WEEDS	Gals./Surface Acre
Bladderwort (<i>Utricularia</i> spp.)	5-10
Coontail (<i>Ceratophyllum demersum</i>)	10
Elodea (<i>Elodea</i> spp.)	10
Naiad (<i>Najas</i> spp.)	5
Pondweeds (<i>Potamogeton</i> spp)* * Except <i>P. robinsii</i> ; also Richardson Pondweed, <i>P. richardsonii</i> , in Minnesota	10
Watermilfoil (<i>Myriophyllum</i> spp.)	5-10

APPLICATION: In early season where submersed weed growth has not reached the surface, apply WEEDTRINE-D by pouring directly from the container into the water in strips 40 feet apart or dilute at least 5:1 with water and apply as a surface spray or by underwater injection, distributing chemical as evenly as possible. In late season where submersed weeds have reached the water surface, treat in strips no more than 20 feet apart with a 2:1 solution. Use the high rate of application as indicated by the weeds present. Where algae are present along with the submersed weeds, pre-treatment with CUTRINE-PLUS Algaecide is advised for optimum results.

FLOATING WEEDS	Gals./Surface Acre
Pennywort (<i>Hydrocotyl umbellate</i>)	2 1/2 - 3 1/2
Salvinia (<i>Salvinia rotundifolia</i>)	2 1/2 - 3 1/2
Water Hyacinth (<i>Eichornia crassipes</i>)	2 1/2 - 3 1/2
Water Lettuce (<i>Pistia stratiotes</i>)	2 1/2 - 3 1/2

APPLICATION: Dilute WEEDTRINE-D 64:1 with water (2 oz. WEEDTRINE-D per gallon of water). Add 1 oz. of non-ionic surfactant per 10 gal. of spray solution. 160 gallons of this solution will treat 1 acre at the lower rate and 240 gallons will treat 1 acre at the higher rate. Use higher rate for late season application.

Duckweed (*Lemna* spp.) 5

APPLICATION: Dilute WEEDTRINE-D 25:1 with water (5 oz. of WEEDTRINE-D per gallon of water). Add 1 oz. of non-ionic surfactant per 10 gal. of spray solution. 130 gallons of this solution will treat 1 acre. Apply as a surface spray taking care to cover all the plants on the water surface and on damp, marginal areas. Re-treatment may be necessary for season-long control.

MARGINAL WEEDS

Cattails (*Typha* spp.) 5

APPLICATION: For top kill, dilute WEEDTRINE-D 19:1 with water (6.5 oz. of WEEDTRINE-D per gallon of water). Add 1.6 oz. of non-ionic surfactant per 10 gallons of spray solution. Wet foliage thoroughly with spray solution. Repeat treatment, as necessary to control regrowth. For best results, apply before flowering.

ALGAE: WEEDTRINE-D will control certain filamentous algae (*Spirogyra* spp. and *Pithophora* spp.) Apply 0.5 to 1.5 ppm WEEDTRINE-D for control. Apply in same manner as for submersed weeds.

Formula For Parts Per Million (ppm) Recommendations

Gallons to use = ppm recommended x acreage of water x average depth of water x 7.

For example: 1/2 ppm recommendation; 2 acre pond; 4 foot average depth - 1/2 x 2 x 4 x 7 = 28 gallons required

NOTE: 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. Rinse all spray equipment thoroughly with water after use. Use only non-ionic surfactants in conjunction with WEEDTRINE-D.

NOTICE

Neither Applied Biochemists nor the seller makes any warranty, guarantee or representation, expressed or implied, concerning this material except that it conforms to the chemical description on the label. Neither shall be held responsible in any manner for any personal injury or property damage or other type of loss resulting from the handling, storage and use of this material not in strict accordance with directions given herewith.