

8959-9

12/23/2010

1/6



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

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Ms. Marianne Radtke
Applied Biochemists
W175 N11163 Stonewood Drive Suite 234
Germantown, WI 53022-4799

DEC 23 2010

Subject: Label Amendment – Add use restriction table and include revisions per Agency letter dated 3/17/2010
Product Name: Weedtrine-D Aquatic Herbicide
EPA Registration Number: 8959-9
Decision Number: 440908

The label amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you make the following changes to the product labeling:

1. Remove the text, "Avoid contact through skin" from the 'Hazards to Humans and Domestic Animals' section.
2. Revise the word, "should" to "must" in the last sentence of the paragraph under 'Directions for Use' heading so that it reads as follows:
"Necessary approval and/or permits **must** be obtained prior to application if required."
3. Make the following revisions to the 'Water Use Restrictions...' table
 - Widen the columns so that the last few letters of a word are not separated from the rest.
 - Change the first footnote's text, "rate recommended" to "rate specified."
 - The second footnote includes the product name, "**Harvester** Landscape and Aquatic Herbicide" which is not this product's name. Revise to the appropriate name, **Weedtrine-D** Landscape and Aquatic Herbicide.

One copy of the master label stamped "Accepted with Comments" is enclosed for your records. Products shipped after 18 months from the date on this notice or the next printing of the label whichever occurs first, must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA. Your release for shipment of this product constitutes acceptance of these conditions. This label supersedes all previous accepted labels. You must submit one copy of the final printed label before the product is released for shipment.

Sincerely,

A handwritten signature in black ink, appearing to read "Kathryn V. Montague".

Kathryn V. Montague
Product Manager (23)
Herbicide Branch
Registration Division (7505P)

2/6

WEEDTRINE® -D

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 / PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand label, find someone to explain it to you in detail.)

FIRST AID

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.

IF SWALLOWED: Call 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 the poison control center or doctor. Do not 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. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. If a medical emergency arises contact Arch Chemicals Emergency Action Network in the US call 1-800-654-6911 or outside the US call 423-780-2970. For help with a spill, leak, fire or exposure involving this material call CHEMTREC 1-800-424-9300.

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.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS
NET CONTENTS: ___ GALLONS (___ Liters)

ab applied biochemists

Germantown, WI 53022

1-800-558-5106

www.appliedbiochemists.com

**ACCEPTED
with COMMENTS**
In EPA Letter Dated:

DEC 23 2010

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**

WARNING: May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Avoid contact through skin. Avoid contact with eyes, skin or clothing. Do not breathe spray mist.

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 for washables exist, 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 pesticide 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.

PRODUCT INFORMATION: WEEDTRINE-D is a non-volatile herbicide for use in controlling submersed, floating aquatic and marginal weeds. **WEEDTRINE-D** works by being absorbed by the weed, and within a few days the weed shows signs of dying. Optimum results are seen if the weeds are young and actively growing. The plants show the effects within a few days. 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 creating muddy water during application. Do not apply where plants are covered with mud deposits.

DIRECTIONS FOR USE:

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label. Use strictly in accordance with precautionary statements and directions, and with applicable state and federal regulations. Do not apply this product through any type of irrigation system. Do not use treated water for animal consumption, spraying irrigation or drinking purposes until 5 days after treatment. Do not apply under conditions of high wind and wave action. 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.

AQUATIC USE SITES

New York- Not for Sale or Use in New York State without Supplemental Special Local Needs Labeling. Necessary approval and/or permits must be obtained prior to application if required. Consult the responsible State Agencies (i.e., Fish and Game Agencies, State Water Conservation authorities, or Department of Natural Resources).

For application only to **still water** (i.e. ponds, lakes, and drainage ditches) where there is minimal to no outflow to public waters.

Application to **public waters** in ponds, lakes, reservoirs, marshes, bayous, drainage ditches, canals, streams, rivers, and other slow-moving or quiescent bodies of water for control of aquatic weeds. For use by:

- Corps of Engineers; or
- Federal or State Public Agencies (i.e., Water Management District personnel, municipal officials); or
- Applicators and/or Licensees (certified for aquatic pest control) that are authorized by the State or Local government.

Treated water may be used according to the following Water Use Restrictions table or until such time as an approved assay (example: PAM II Spectromatic Method) shows that the water does not contain more than the designated maximum contaminant level goal (MCLG) of 0.02mg/l. (ppm) of diquat dibromide (calculated as the cation).

Water Use Restrictions Following Applications With Weedtrine-D Landscape And Aquatic Herbicide (Days)

Application Rate	Drinking	Fishing and Swimming	Livestock/Domestic Animals Consumption	Spray Tank Applications** and Irrigation to Turf and Landscape Ornamentals	Spray Tank Applications** and Irrigation to Food Crops and Production Ornamentals
2 gals./surface acre	3 days	0	1 day	3 days	5 days
1 gal./surface acre	2 days	0	1 day	2 days	5 days
0.75 gal./surface acre	2 days	0	1 day	2 days	5 days
0.50 gal./surface acre	1 day	0	1 day	1 day	5 days
Spot Spray* (<0.5 gal./surface acre)	1 day	0	1 day	1 day	5 days

*Add a nonionic surfactant (with at least 75% of the constituents active as a spray adjuvant) at the rate recommended by the manufacturer.

**For preparing agricultural sprays for food crops, turf or ornamentals (to prevent phytotoxicity), do not use water treated with Harvester Landscape and Aquatic Herbicide before the specified time period.

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.

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. robbinsii</i> ; also Richard Pondweed, <i>P. richardsonii</i> , in Minnesota	10
Watermilfoil (<i>Myriophyllum</i> spp.)	5-10

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. 150 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.

FLOATING WEEDS	Gals./Surface Acre
Pennywort (<i>Hydrocotyl umbellate</i>)	2 ½ - 3 ¾
Salvinia (<i>Salvinia rotundifolia</i>)	2 ½ - 3 ¾
Water Hyacinth (<i>Eichornia crassipes</i>)	2 ½ - 3 ¾
Water Lettuce (<i>Pistia stratiotes</i>)	2 ½ - 3 ¾

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.

Duckweed (*Lemna* 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.

MARGINAL WEEDS

Cattails (*Typha* spp.) 5

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 – $1/2 \times 2 \times 4 \times 7 = 28$ 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**.

STORAGE AND DISPOSAL

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

(For <5gallon non-refillable containers only):

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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 or reconditioning if available or puncture and dispose of in approved landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Consult Federal, State or local authorities for approved alternative procedures.

(For >5 gallon non-refillable containers only):

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ with water and recap. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand container on its end and tip it back and forth several times. Empty the 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 or reconditioning if available or puncture and dispose of in approved landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Consult Federal, State or local authorities for approved alternative procedures.

WARRANTY

To the extent consistent with applicable law neither the manufacturer nor the seller makes any warranty, expressed or implied concerning the use of this product other than indicated on the label.

To the extent consistent with applicable law buyer assumes risk of use of this material when such use is contrary to label instructions. Read and follow the label directions.