

1448-352

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

JUN - 9 2004

Kristin M. Miller
Buckman Laboratories Inc
1256 North McLean Blvd
Memphis, TN 38108

Dear Ms. Miller:

Subject: Label Amendment: Bulab 6050
EPA Registration Number 1448-352 ✓
Application Submission dated April 19, 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. Revise Environmental Hazards section to "This pesticide is toxic to fish. Avoid contact with or drift to other crops or plants as injury may result." Except for the drift statement above, the other current statements must be moved to the "Directions for Use" and placed under the General Information Section.

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,

/s/

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

Enclosure



BULAB 6050

BULAB is a registered trademark.

ACTIVE INGREDIENT(S)

Mono(N,N-dimethyl-allylamine[™]) salt of Endothal 53.0%

INERT INGREDIENTS 47.0%

TOTAL 100.0%

Contains 2 lbs endothal[™] per gallon

*7-oxabicyclo [2,2,1] heptane-2,3-dicarboxylic acid equivalent 23.36%

**Alkyl groups as derived from Coconut Oil



KEEP OUT OF REACH OF CHILDREN DANGER POISON



Directions for Use

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

IRRIGATION AND DRAINAGE CANALS

Apply Bulab 6050 as a surface spray with uniform coverage or inject under the surface of the water. The minimum contact time with weeds for optimum results should be two hours.

HEAVY INFESTATION—Apply at rate of 4.0–6.75 gal per acre foot (equivalent to 3.0–5.0 ppm).

MODERATE OR LIGHT INFESTATIONS—Apply at rate of 1.4–2.7 gal per acre foot (equivalent to 1.0–2.0 ppm). See table below.

GALLONS OF BULAB 6050 REQUIRED TO TREAT 1 MILE OF DITCH, 1 FOOT DEEP

ppm	Width of Ditch or Canal in Feet									
	4	6	8	10	12	14	16	18	20	22
1.0 ppm	0.7	1.0	1.3	1.7	1.9	2.3	2.6	2.9	3.3	3.6
2.0 ppm	1.3	2.0	2.6	3.3	3.9	4.6	5.2	5.9	6.5	7.2
3.0 ppm	2.0	2.8	3.9	4.9	5.9	6.8	7.8	8.9	10.0	11.1
4.0 ppm	2.8	3.9	5.2	6.6	7.8	9.1	10.4	11.8	13.2	14.6
5.0 ppm	3.2	4.9	6.5	8.2	9.7	11.5	13.1	14.7	16.4	18.0

Note: 1.1 pt Bulab 6050 per acre foot equals 0.1 ppm of endothal (acid). Do not use treated water for irrigation of crops.

LAKES AND PONDS

ALGAE CONTROL: Cladophora, Pithophora, Spirogyra, and Chara can be controlled with applications of 0.6–2.2 pints per acre foot (0.05–0.2 ppm) applied as a uniform surface spray or injected under water surface. Pithophora may require 0.2 ppm or higher. Dosages may be increased to 0.4–1.1 gal (0.3–0.8 ppm) where greater longevity of control is desired and for marginal treatments. Repeat treatments when algal growth reappears.

SUBMERGED AQUATICS: Due to the toxicity to fish, the use of Bulab 6050 for submerged aquatic weeds is suggested only by commercial applicators on a marginal or sectional rather than overall type treatment. Use 0.7–3.4 gal per acre foot (0.5–2.5 ppm) on a marginal treatment either sprayed on or injected below the surface. Use dosages over 1.0 ppm on very narrow margins or in areas where some fish kill is not objectionable.

Do not treat more than 1/10 of the lake or pond at one time with doses in excess of 1.0 ppm.

APPROXIMATE QUANTITY OF BULAB 6050 FOR ONE ACRE* TREATMENT

Depth	Dosages for Various Concentrations in ppm									
	0.05	0.1	0.2	0.3	0.5	0.8	1.0	2.0	2.5	
1 foot	0.6 pts	1.1 pts	2.2 pts	.4 gal	.7 gal	1.1 gal	1.4 gal	2.7 gal	3.4 gal	
2 feet	1.1 pts	2.2 pts	4.3 pts	.8 gal	1.4 gal	2.2 gal	2.8 gal	5.4 gal	6.8 gal	
4 feet	2.2 pts	4.3 pts	8.6 pts	1.6 gal	2.7 gal	4.4 gal	5.4 gal	10.9 gal	13.6 gal	
6 feet	3.3 pts	6.5 pts	12.9 pts	2.5 gal	4.1 gal	6.5 gal	8.2 gal	16.3 gal	20.4 gal	

* One acre equals approximately 208' x 208'

GENERAL INFORMATION

BULAB 6050 is a liquid concentrate soluble in water and is a highly effective aquatic herbicide and algicide for use in irrigation and drainage canals, lakes, and ponds to control the following weeds and algae: Najas, Elodea, Contail, Potamogeton, Milfoil sp., Zannichellia, Vallisneria, Cladophora, Pithophora, Spirogyra, and Chara, when weeds are actively growing. Dosage rates indicated are measured in "Parts per Million" (ppm). 1.0 ppm as a dosage rate means that there would be 1 part endothal (acid) in 1,000,000 parts of water.

Necessary approval and/or permits should be obtained in the States where required. Consult state water or conservation authorities before applying to public waters or to ponds, canals, or streams which flow into public.

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 further treatment advice.
If on Skin, Clothes	- 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 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.
If Inhaled	- Move person to fresh air. - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. - Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. You may also contact 901-278-0330 or 1-800-BUCKMAN for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.	

Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

FATAL IF ABSORBED THROUGH SKIN. MAY BE FATAL IF SWALLOWED. CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. HARMFUL IF INHALED. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. WEAR PROTECTIVE CLOTHING, RUBBER GLOVES, AND GOGGLES OR FACE SHIELD WHEN HANDLING. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse. Avoid breathing spray mist.

ENVIRONMENTAL HAZARDS: Fish will be killed by dosages in excess of 0.3 ppm. Do not use where fish are important resources. Avoid contact with or drift to desirable plants or crops as injury may result. Clean out application equipment after each operation. Do not use fish from treated water for food or feed within three days after treatment. Do not use treated water for watering livestock or domestic purposes within the following periods: Up to 0.3 ppm – 7 days after application. Up to 3.0 ppm – 14 days after application. Up to 5.0 ppm – 25 days after application.

ACCEPTED
with COMMENTS
in EPA Letter Dated
JUN - 9 2004

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

1448-352