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OCT 14 1997

A. Kevin Magro
Clarke Mosquito Control Products, Inc.
159 Garden Avenue
Roselle, IL 60172

Subject: Biomist® 4+4 ULV
EPA Registration No. 8329-35
Amendment dated June 27, 1997

Dear Mr. Magro:

The Confidential Statement of Formula (CSF), referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. A copy of the CSF (Basic Formulation) dated June 27, 1997, has been placed in our file for the subject product.

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

1. Make the following change to your label:

a. Add the following statement to the ENVIRONMENTAL HAZARDS:

"This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area."

2. Submit two copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions. A stamped copy of the labeling is enclosed for your records.

Sincerely yours,



for George T. LaRocca
Product Manager 13
Insecticide Branch
Registration Division (7505C)

Enclosure

Bedwards A: 8329/35.1 10/14/97



BIOMIST® 4+4 ULV

For Application Only By Public Health Officials and Trained Personnel of Mosquito Abatement Districts and Other Mosquito Control Programs. An All Temperature, Quick Knockdown, Low Odor, Non-Corrosive, Synthetic Pyrethroid for Control of Adult Mosquitoes in Residential and Recreational Areas. Also For Use Against Biting and Non-Biting Midges and Blackflies.

Precautionary Statements HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing of spray mist. Wash thoroughly after handling. Remove and wash clothing before reuse.

STATEMENT OF PRACTICAL TREATMENT

HARMFUL IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting. Vomiting may cause aspiration pneumonia. Do not give anything by mouth to an unconscious person.
If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
If On Skin: Remove contaminated clothing and wash affected areas with soap and water.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not allow spray treatment to drift on pastureland, cropland, poultry ranges or water supplies. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Flashpoint minimum of 300° F.

DIRECTIONS FOR USE

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

Permethrin pounds/acre	Application Rates Fl. oz./Min.			Fl. oz. Biomist 4+4 per acre
	5MPH	10MPH	15MPH	
0.007	9.0	18.0	27.0	3.0
0.0035	4.5	9.0	13.5	1.5
0.00175	2.25	4.5	6.75	0.75

E.P.A. EST. No. 8329101

EPA Reg. No. 8329-35

NET CONTENTS

ACTIVE INGREDIENTS:	
Permethrin (3-Phenoxypheyl)methyl (±) cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethyl-cyclopropanecarboxylate	4.00%
Piperonyl Butoxide, Technical Equivalent to 80% (butylcarbiyl) (6-propylpiperonyl) ether and 20% related compounds	4.00%
INERT INGREDIENTS	92.00%
	100.00%

Contains 0.3 pounds of Permethrin and 0.3 pounds of Piperonyl Butoxide per gallon

CAUTION
KEEP OUT OF REACH OF
CHILDREN

CONDITIONS and RATES to USE for MOSQUITO CONTROL

Do not apply this product within 100 feet of fish bearing areas. BIOMIST® 4+4 ULV is recommended for application as an ultra low volume (U.L.V.) nonthermal aerosol (cold fog) to control adult mosquitoes in residential and recreational areas where these insects are a problem. For best results treat when mosquitoes are most active and weather conditions are conducive to keeping the fog close to the ground, e.g. cool temperatures and wind speeds not greater than 10 mph. Application during the cool hours of the night or early morning is usually preferable. Repeat treatment as recommended in EPA Letter Dated

OCT 14/1997

MANUFACTURED BY

CLARKE MOSQUITO CONTROL PRODUCTS, INC.

159 N. GARDEN AVENUE • ROSELLE, ILLINOIS 60442

NOTICE: Seller makes no warranty, expressed or implied concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when use and/or handling is contrary to label instructions.

U.L.V. Nonthermal Aerosol (Cold Fog) Application: To control Mosquitoes, Midges and Blackflies, apply BIOMIST® 4+4 ULV using any standard U.L.V. ground applicator capable of producing a nonthermal aerosol spray with droplets ranging in size from 5 to 30 microns and a mass median diameter (MMD) of 10 to 20 microns. Apply the product undiluted at a flow rate of 4.5 to 18.00 fluid ounces per minute at an average vehicle speed of 10 mph. If a different vehicle speed is used, adjust rate accordingly. Vary flow rate according to vegetation density and mosquito population. Use higher flow rate in heavy vegetation or when populations are high. An accurate flow meter must be used to ensure the proper flow rate. For proper application, mount the fog applicator so that the nozzle is at least 4 feet above ground level and directed out the back of the vehicle. Failure to follow the above directions may result in reduced effectiveness. Aerial applications should be done by suitable aerial U.L.V. equipment capable of producing droplets with an MMD of 50 microns or less with no more than 2.5% exceeding 100 microns. Flow rate and swath width should be set so as to achieve 3.0 fluid ounces of BIOMIST® 4+4 ULV per acre. Application should be made when wind is less than 10 MPH. Do not apply directly to lakes, ponds, or streams.

IN FLORIDA: Do not apply by aircraft except in emergency situations and with the approval of the Florida Department of Agriculture and Consumer Services.

STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
PESTICIDE STORAGE AND SPILL PROCEDURES: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.
PESTICIDE DISPOSAL: Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by 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 by other approved state and local procedures.
CONTAINERS ONE GALLON AND SMALLER: Do not reuse container. Wrap containers in several layers of newspaper and discard in trash.
CONTAINERS LARGER THAN ONE GALLON: Metal Containers—Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic Containers—Triple rinse or equivalent. Then offer for recycling or reconditioning, 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. Then dispose of in a sanitary landfill or by other approved state and local procedures.

IN CASE OF EMERGENCY,
CALL INFO TRAC 1-800-535-5053

FOR MORE INFORMATION CALL:
1-800-523-5727 (Outside Illinois)