

OCT 14 1997

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

Subject: Biomist® 3+15 ULV  
EPA Registration No. 8329-33  
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 areas."

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



**CLARKE**

# BIOMIST® 3+15 ULV

**For Application Only by Public Health Officials and Trained Personnel of Mosquito Abatement Districts and Other Mosquito Control Programs. For Use Outdoors As An Ultra-Low Volume (U.L.V.) Application to Control 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

Wash thoroughly after handling. Avoid breathing of mist. Do not contaminate food or feed products.

#### STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia.

If Inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

If On Skin: Remove contaminated clothing and wash affected areas with soap and water.

If In Eyes: Flush eyes with plenty of water. Get medical attention if irritation persists.

#### 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.

#### 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.

### CONDITIONS and RATES to USE for MOSQUITO CONTROL

Permethrin/PBO pounds/acre	Application Rates Fl. oz./Min.			Fl. oz. Biomist® 3+15 per acre
	5MPH	10MPH	15MPH	
0.0054/0.0264	9.0	18.0	27.0	3.0
0.00264/0.0132	4.5	9.0	13.5	1.5
0.00088/0.0044	1.5	3.0	4.5	0.5

Do not apply this product within 100 feet of fish bearing areas. BIOMIST® 3+15 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 and other non-cropland 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 speed not greater than 10 mph. Application during the cool hours of the night or early morning is usually preferable. Repeat treatment as needed. Do not apply this product within 100 feet (30 meters) of lakes and streams. Do not allow spray treatment to drift on pastureland, cropland, poultry ranges, or water supplies.

#### ACTIVE INGREDIENTS

Permethrin (3-Phenoxyphenylmethyl (+) cis, trans 3 (2,2-dichloroethenyl) 2,2-dimethyl cyclopropanecarboxylate	3.00%
Piperonyl Butoxide, Technical Equivalent to 80% (butylcarbitol) (6-propylpiperonyl) ether and 20% related compounds	15.00%
INERT INGREDIENTS	82.00%
	100.00%

Contains 0.225 pounds of Permethrin and 1.125 pounds of Piperonyl Butoxide per gallon.

## CAUTION

**KEEP OUT OF REACH OF CHILDREN**

MANUFACTURED BY

**CLARKE MOSQUITO CONTROL PRODUCTS CO., INC.**

159 N. GARDEN AVENUE  
ROSELLE, ILLINOIS 60172

E.P.A. EST. No. 83291L01  
EPA. Reg. No. 8329-33

NET CONTENTS 2.5 GALS.

LOT NO. \_\_\_\_\_

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® 3+15 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 15 microns. Apply the product undiluted at a flow rate of 3.00 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. These rates are equivalent to .00088 to .005 pounds of Permethrin and .0044 to .0264 pounds of Piperonyl Butoxide per acre. 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 4½ 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 at an altitude of 300 ft. and a forward speed of 150 miles per hour, achieving an effective swath width of 500 ft. Flow rate should be set at 455 fluid ounces per minute (3.0 fluid ounces of BIOMIST® 3+15 ULV per acre.).

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

### STORAGE & DISPOSAL

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

**STORAGE:** Do not store at temperatures below 40°F (4.5°C). If this material has been exposed to temperatures below 40°F (4.5°C), there may be precipitation. Check for crystallization. If evident, warm to 80°F (26.5°C) and thoroughly mix before using. DO NOT USE OPEN FLAME.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at 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 procedures approved by state and local authorities.

**EMERGENCY:** CALL INFO TRAC 1-800-535-5053

OCT 14 1997

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

**8329-33**

**FOR MORE INFORMATION CALL:  
1-800-323-5727 (OUTSIDE ILLINOIS)  
1-800-942-2555 (INSIDE ILLINOIS)**

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