



**CLARKE**

# BIOMIST® 1.5+7.5 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.

8329-410

8-7-2003

### Precautionary Statements

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

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

#### FIRST AID

Have product container or label with you when calling a poison control center or doctor, or going for treatment. For Medical Emergencies, call the International Poison Control Center at 1-800-214-7753.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

**IF ON SKIN OR CLOTHING:** 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:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**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 the eye. Call a poison control center or doctor for treatment advice.

**NOTE TO PHYSICIAN:** Product contains a petroleum distillate. Vomiting may cause aspiration pneumonia.

#### ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to areas where surface water is present or to intertidal areas below the mean high tide line. Do not apply when weather conditions favor drift from treated areas. Drift and spray 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. 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.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

#### DIRECTIONS FOR USE

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

| Permethrin/PBO<br>pounds/acre | Application Rates |       | Fl. oz. Biomist 1.5+7.5<br>per acre |
|-------------------------------|-------------------|-------|-------------------------------------|
|                               | Fl. oz./Min.      |       |                                     |
|                               | SMPH              | 10MPH |                                     |
| 0.007/0.035                   | 24.0              | 48.0  | 8.0                                 |
| 0.0035/0.0175                 | 12.0              | 24.0  | 4.0                                 |
| 0.00175/0.00875               | 6.0               | 12.0  | 2.0                                 |
| 0.0013/0.00656                | 4.5               | 9.0   | 1.5                                 |
| 0.00087/0.00437               | 3.0               | 6.0   | 1.0                                 |

E.P.A. EST. No. 8329IL01

**NET CONTENTS 55 GALS.**

EPA Reg. No. 8329-40

**LOT NO.**

#### ACTIVE INGREDIENTS:

Permethrin (3-Phenoxyphenyl)methyl (±) cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethyl-cyclopropanecarboxylate .....1.50%

Piperonyl Butoxide, Technical Equivalent to 80% (butylcarbyl) (6-propylpiperonyl) ether and 20% related compounds .....7.50%

INERT INGREDIENTS.....91.00%  
100.00%

Contains Petroleum Distillates.

Contains 0.11 pounds of Permethrin and .55 pounds of Piperonyl Butoxide per gallon

ACCEPTED  
2003  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, this pesticide is registered for the use of mosquito control. EPA Reg. No. 8329-40

**CAUTION  
KEEP OUT OF REACH  
OF CHILDREN**

SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS

#### CONDITIONS and RATES to USE for MOSQUITO CONTROL

Do not apply this product within 100 feet (30 meters) of lakes and streams. BIOMIST® 1.5+7.5 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 needed.

MANUFACTURED BY

**CLARKE MOSQUITO CONTROL  
PRODUCTS, INC.**

159 N. GARDEN AVENUE • ROSELLE, ILLINOIS 60172

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® 1.5+7.5 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 6.0 to 54.00 fluid ounces per minute at an average vehicle speed of 10 mph (see chart above). If a different vehicle speed is used, adjust rate accordingly. These rates are equivalent to 0.00087 to 7 pounds of Permethrin and 0.00437 to 0.035 pounds of Piperonyl Butoxide per acre. Adjust 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 1/2 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 9.0 fluid ounces of BIOMIST® 1.5+7.5 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 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, reuse, 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 MEDICAL EMERGENCY,  
CALL THE INTERNATIONAL POISON CONTROL  
CENTER 1-800-214-7753**

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

**FOR MORE INFORMATION CALL: 1-800-323-5727**