Reg #-8327-20

CLARKE



For Application by Trai control adult mosquito

Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, absorbed through the 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.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Shrimp, crab and fish may be killed at application rates recommended on this label. Do not apply to lakes, streams or ponds where these are considered important resources. Consult your State Fish and

e Department before using this product. No not apply where biff is likely to occur. Do not apply when weather conditions ravor drift from areas treated. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label

PHYSICAL AND CHEMICAL HAZARDS Do not store near heat or open flame.

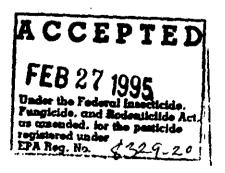
DIRECTIONS FOR USE

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

CONDITIONS and RATES to USE for MOSQUITO CONTROL

CLARKE MOSQUITOMIST 1.5 U.L.V. is recommended for application either as a thermal fog or as an ultra low volume (U.L.V.) northermal aerosol (cold fog) to control adult mosquitoes in r Intial and recreational areas and other non-cropland areas

these insects are a problem. For best results treat when . .squitoes are most active and weather conditions are con-ducive 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.



ACTIVE INGREDIENT:

PM-19

Chlorpyritos (0.0-die!hy) 0-(3, 5, 6, -trichloro-2-pyridyl) phosphorothloate] INERT INGREDIENTS 19.36 80.64

100.00% Contains 1.5 pound chlorpyrifos per gallon. Contains petroleum distillates.

TO BE APPLIED ONLY BY OR UNDER THE SUPERVISION OF PUBLIC HEALTH ORGANIZATIONS. MOSOUITO ABATEMENT DISTRICTS OR CERTIFIED PEST CONTROL APPLICATORS

CAUTION **KEEP OUT OF REACH OF CHILDREN**

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center. Do not induce romiting because of aspiration hazard. Do not give anything by mouth to an unconscious person. If on Skin: Wash thoroughly with soap and water. Get medical

attention.

If in Eves: Flush with plenty of water. Get medical attention if

irritation persists. If Inhaled: Remove victim to tresh air. If not breathing, give artifical respiration, preferably mouth-to-mouth. Get medical attention.

Note to Physician. Chlorpyritos is a chulinesterase inhibitor. Atropine by injection is antidotal only if symptoms of choli-nesterase inhibition are present. 2-PAM is also antidotal when given in conjunction with atropine.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

MANUFACTURED BY

CLARKE MOSQUITO CONTROL PRODUCTS, INC.

159 N. GARDEN AVENUE . ROSELLE, ILLINOIS 60172

E.P.A. EST. No. 83291L01 E.P.A. Reg. No. 8329-20

NET CONTENTS

NOTICE: Seller makes no warranty, expressed or implied concern-ing 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.

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Themat Fog Applica ouphy mix 9 gallons of C gallons of No. 2 fuel oil o suitable for insecticide a

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es in Reside

solution with any stand deliver 52.5 gallons per h to cover a swath of up to U.L.Y. Nonthermal Ae CLARKE MOSQUITOMIST ground applicator capat spray with droplets rang mass median diameter droplet size and MMD Calibrate the equipment U.L.V. at a dosage equiv pyritos per acre based or obtain this rate apply the to 7.75 fluid ounces per m mph. Under normal resid ounces is recommended adjust rate accordingly. ensure the proper flow rat applicator so that the noz and directed out the bad above directions may resu spray droplets, which ma

automobile paint. Aerial aeria U.L.V. equipment speed of 150 miles per hou 500 ft. Flow rate should b achieve a dosage rate of (3.0 fluid ounces of MOSC

IN FLORIDA: Do not situations and with the Agriculture and Consume

Directions for Determi U.L.V. Nonthermal A QUITOMIST ONE U.L using glass microscope s (General Electric SC-87 D solution of one part silice polish with lint-free paper collect droplets, wave t cloud at a distance of 6 fe the slides perpendicular to droplets on at least 2 slid measurements can be mai MMD by the following ste ned Personnel Only. For Use Outdoors to es in Residential and Recreational Areas.

Thermal Fog Application: To prepare a fog solution, thor-oughly mix 9 gallons of CLARKE MOSQUITOMIST ONE U.L.V. in 91 gallors of No. 2 fuel oil or other fuel, diesel or kerosene-type oil suitable for insecticide and fogging use. Apply the finished fog solution with any standard thermal fog machine calibrated to deliver 52.5 gallons per hour at an average vehicle speed of 5 mph to cover a swath of up to 300 feet.

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U.L.V. Nonthermal Aerosol (Cold Fog) Application: Apply CLARKE MOSQUITOMIST ONE U.I. V. using any standard U.L.V. ground applicator capable of producing a nonthermal aerosol ground applicator capable of producing a holitrerinal acrosol spray with droplets ranging in size from 5 to 30 microns and a mass median diameter (MMD) of 10 to 15 microns. To determine droplet size and MMD follow the accompanying directions Calibrate the equipment to deliver CLARKE MOSQUITOMIST ONE U.L.V. at a dosage equivalent to 0.005 to 0.01 pounds of chlor-pyritos per acre based on an effective swath width of 300 feet. To obtain the state account of the state of obtain this rate apply the product undiluted at a flow rate of 3.88 to 7.75 fluid ounces per minute and an average vehicle speed of 10 mph. Under normal residential conditions a flow rate of 4.3 flord ounces is recommended. If a different vehicle speed is used, adjust rate accordingly. 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 and oversize above directions may result in reduced effectiveness and oversize spray droplets, which may deposit on and permanently damage automobile paint. Aerial applications should be done by suitable seria: U.L.V. equipment at an altitude of 300 ft. and a forward speer of 150 miles per hour, achieving an effective swath width of 500 ft. Flow rate should be set at 455 fluid ounces per minute to achieve a dosage rate of .023 pounds of active ingredient per acre (3.0 fluid ounces of MOSQUITOMIST ONE U.L.V.).

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

Directions for Determining the Droplet Size and MMD of U.L.V. Nonthermal Aerosols Using CLARKE MOS-QUITOMIST ONE U.L.V.: Collect droplets for measurement using glass microscope slides (1 × 3 inches) coated with silicone (General Electric SC-87 Dri-Film). To prepare the slides, dip in a solution of one part silicone to 9 parts of acetone, allow to dry, polish with lint-free paper tissue, and store in a tight slide box. To collect droplets ways the treated slides through the aerosol collect droplets, wave the treated slides through the aerosol cloud at a distance of 6 feet from the point of discharge, holding the slides perpendicular to the path of aerosol movement. Collect droplets on at least 2 slides and store in a tight slide box until measurements can be made. Determine droplet size and calculate · MMD by the following steps.

1. Using a microscope with an eyepiece micrometer and 450 x

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- using a microscope with an eyepiece microineter and 450 x magnification, measure the diameter (D), in eyepiece divi-sions, of 100 impinged droplets on eac' slide Tabulate the number of droplets (N) f ...ling within each size category (as measured in eyepiech divisions). Multiply D × N for each size category. Divide D × N for each size category by the sum of the products of D × N, i e. Σ (D × N). The values obtained are the percent that each size category represents of the total.
- Determine the accumulative percentage for each size category by accumulative addition of the percentage values calculated in Step 4, starting with the smallest size category
- Determine the size category that most closely corresponds to an accumulative percentage of 50%. This value is the approx-6.
- imate MMD in eyepiece divisions. Convert the above MMD to microns by determining the number of microns in one eyepiece division using a stage micrometer and multiplying this value by the estimated MMD in eyepiece divisions (Step 6). The MMD determined in Step 7 must then be corrected for
- 8 spread of the droplets on the slides by multiplying by 0.49 (the spread factor) The value thus calculated is the true MMD in ຕໍ່ເດດດຣ

NOTE: Measure droplet size and determine MMD when the aerosol generator is first installed, after any modifications or adjustment, and after every 50 hours of operation.

STORAGE AND DISPOSAL

- PROHIBITIONS. Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited
- PESTICIDE DISPOSAL. Pesticide, spray mixture or rinse water that cannot be used according to label instruc-State or local procedures
- CONTAINER DISPOSAL Triple rinse (or equivalent) Then offer for recycling or reconditioning, or dispose of in a sanitary landfill or by other approved State and local procedures. Puncture container before disposal
- GENERAL. Consult Federal, State or local disposal authorities for approved alternative procedures



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