8329-20 19





MOSQUITOMIST

For Application by Trained Personnel control adult mosquitoes in Residenti

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 Game Department before using this product. Do not apply where runoff is likely to occur. Do no: apply when weather conditions favor 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 label

CONDITIONS and RATES to USE for MOSQUITO CONTROL

CLARKE MOSOUITOMIST 15 U-L V is recommanded for application either as a thermal for or as an ultra low volume (U.L.V.) nonthermal aerosci (cold fog) to control adult mosquitoes in residential and recreational areas and other non-crupland 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. Applicafrom during the cool hours of the night or early morning is usually preferable. Repeat treatment as needed

ACTIVE INGREDIENT:

Chlorpyrifos [0.0-diethyl 0-(3, 5, 6, -trichloro-2-pyridy!) phosphorothloate] INERT INGREDIENTS 19.36 80.64

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

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

CAUTION **KEEP OUT OF REACH OF CHILDREN**

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Foison Control Center. Do not induce vomiting 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 Eyes: Flush with plenty of water. Get medical attention if irritation persists. If Inhaled: Remove victim to fresh air. If not breathing, give

artifical respiration, preferably mouth-to-mouth. Get medical attention

Note to Physician. Chlorpyrifos is a cholinesterase 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. 8329IL01

2 P A Reg No 8329-20

NET CONTENTS_

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 ir handling is contrary to label instructions.

Thermal Fog Application: oughly mix 6 gallons of CLARK galons of No. 2 fuel oil or othe suitable for insecticide and for solution with any standard th deliver 52.5 gallons per hour at to cover a swath of up to 300 f

U.L.V. Nonthermal Aerosol CLARKE MOSQUITOMIST 1.5 L ground applicator capable of spray with droplets ranging ir mass median diameter (MMU) droplet size and MMD follov Calibrate the equipment to del U.L.V. at a dosage equivalent pyrifos per acre based on an ef obtain this rate apoly the produ 5.3 fluid ounces per minute an mph. Under normal residential ounces is recommended. If a adjust rate accordingly. An acc ensure the proper flow rate. For applicator so that the nozzle is and directed out the back of 1 above directions may result in re above directions may result in the spray droplets, which may dep automobile paint. Aerial applic aerial U.L.V. equipment at an speed of 150 miles per hour, ach 500 ft. Flow rate should be set obliant a dosane rate of 103 or achieve a dosage rate of .023 pc (2.0 fluid ounces of MOSQUITO)

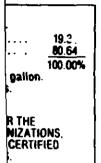
IN FLORIDA: Do not apply situations and with the appro Agriculture and Consumer Serv

Directions for Determining U.L.V. Nonthermal Aeros QUITOMIST 1.5 U.L.V.: C(using glass microscope slides ((General Electric SC-87 Dri-Filn solution of one part silicone to polish with lint-free paper tissucollect droplets, wave the tre cloud at a distance of 6 feet fro the slides perpendicular to the p droplets on at least 2 slides ar meásurements can be made. De MMD by the following steps.

BEST COPY AVAILABLE

TOMIST 1.5 U.L.V

h by Trained Personnel Only. For Use Outdoors to osquitoes in Residential and Recreational Areas.



HILDREN

REATMENT rol Center Do not ard. Do not give

ater. Get medical

dical attention if

t breathing, give uth Get medical

sterase inhibitor nptoms of chole o antidotal when

RY STATEMENTS

ITROL

LINOIS 60172

implied concernn the label. Buyer laterial when use S.

Thermal Fog Application: To prepare a fog solution, thor-oughly mix 6 gallons of CLARKE MOSQUITOMIST 1.5 U.L.V. in 94 gallons of No. 2 fuel oil or other fuel, diesel or kerosene-type oil suitable for insecticide and logging use. Apply the finished for solution with any standard thermal for machine calibrated to deliver 52.5 gcllons per hour at an average vehicle speed of 5 mph to cover a swath of up to 300 feet.

U.L.V. Nonthermal Aerosol (Cold Fog) Application: Apply CLARKE MOSQUITOMIST 1.5 U.L.V. 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. To determine the base distribution of the semanautic directions droplet size and MMD follow the accompanying directions. Calibrate the equipment to deliver CLARKE MOSOUITOMIST 1.5 U.L.V. at a dosage equivalent to 0.005 to 0.01 pounds of chlor-pyrifos per acre based on an effective swath wight of 300 feet. To obtain this rate apply the product undiluted at a flow rate of 2.7 to 5.3 fluid ounces per minute and an average vehicle speed of 10 mph. Under normal residential conditions a flow rate of 4.3 fluid 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 spray droplets, which may deposit on and permanently damage automobile paint. 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 303 fluid ounces per minute to achieve a dosage rate of .023 pounds of active ingredient per acre (2.0 fluid ounces of MGSQUITOMIST 1.5 ULV).

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 1.5 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, 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 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

Using a microscope with an eyepiece micrometer and 450 x magnification, measure the diameter (D), in eyepiece divi-sions, of 100 impinged droplets on each slide.

3

- Tabulate the number of droplets (N) falling within each size
- category (as measured in eyepiece divisions). Multiply $D \times N$ for each size category. Divide $D \times N$ for each size category by the sum of the products of $D \times N$, i.e. Σ ($D \times N$). The values obtained are the percent that ach size category represents of the total
- Determine the accumulative percentage for each size cate-gory 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
- mate MMD in eveniece 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
- spread of the droplets on the slides by multiplying by 0.49 (the spread factor). The value thus calculated is the true MMD in ที่เราอกร

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 2 cannot be used according to label instructions must be disposed of according to applicable Federal. State or local procedures
- CONTAINER DISPOSAL Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landlill or by other approved State and local procedures. Puncture container before insposal
- GENERAL Consult Federal, State or local disposal authorities for approved alternative procedures



BEST COPY AVAILABLE

343

9

ACCEP'ED APR 03 1995 Under the Federal Insectielde. Fungicide. and Rodenticilde Act. as antended. for the pesticide registered under 329.20

> i. I

·· · ·.

.

.

.

1.2

ł

BEST COPY AVAILABLE