

8329-44

AUG 17 1992

Until Reregistration

PN 12 22 11

Score 57%

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Clarke Mosquito Control Products
159 North Garden Avenue
Roselle, IL 60172

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data or other material required for registration/ reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 8329-44."
- b. Under "Environmental Hazards" revise the first sentence to read as follows:

. . . This product is extremely toxic to fish and other aquatic organisms.

63225:I:WP50:CR-31:Moats:WP13-4:KEVRIC:07/17/92:08/15/92

Also replace:

. . . or wetlands (swamps, bogs, marshes,
and potholes)

from the second sentence with:

Do not apply directly to water, to areas
where surface water is present or to
intertidal areas below the mean high water
mark.

Add the following to the end of the paragraph:

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

3. Submit five (5) copies of your final printed labeling before you
release the product for shipment. Refer to the A-79 enclosure for a further
description of final printed labeling.

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 constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

George T. LaRocca
Product Manager (13)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosures

Precautionary Statements
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center. Do not induce vomiting. This product contains aromatic petroleum solvent. Aspiration may be a hazard.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Drift and runoff from treated areas may be hazardous to aquatic organisms in treated areas. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

Do not use in close proximity to 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

FOR A BARRIER SPRAY

This product is effective against biting and irritating mosquitoes to annoyance and control of mosquitoes that transmit diseases such as La Crosse encephalitis, dog heartworm, dengue fever, and West Nile virus. Apply product with mist blower, power backpack or backpack sprayer. Backpack sprayer should be used at low pressure to deliver particles from 35-200 microns in diameter. Avoid spray treatment to drift on pasture land, cropland, poultry ranges, or water supplies. Do not use on crops used for food, storage or pasture.

Non-thermally stable formulation requires a residual application on plants and other surfaces where mosquitoes rest. Product commonly provides sustained control in areas of the yard for up to 14 days in shaded areas. Secondary activity of product is the repellent activity. Apply product by ground application equipment such as mist blower, backpack sprayer, or backpack or pressure sprayer. Not to be used with a backpack sprayer, backpack or streamer. To kill or repel mosquitoes, midges, deer ticks, and other biting insects, mix with enough oil mixture so as to easily apply 0.1 gallon of mixture per acre. The oil mixture is obtained by mixing one part of suitable oil to two parts of emulsifier. Non-phytotoxic oils must be used. The label also provides for some possible dilutions based on a 2 MPH walking speed. Adjust dilution rates with the alternate dilution ratio or walking speed is used. Adjust dilution rates for sprayers that have 2.1 pounds of Permethrin per acre.

For A Two (2) Mile Per Hour Walking Speed And A 50 Foot Application Swath - The Following Are Typical Field Dilutions

Score 57%	Oil	Fl oz Finished Spray Per Acre	Fl oz / Min
1 Part	20 Parts	25.0	5.0
1 Part	5.8 Parts	17.5	3.5
1 Part	4.0 Parts	12.5	2.5

ACTIVE INGREDIENTS
 Permethrin (3-Phenoxyphenyl)methyl (+) cis-trans-3-(2,2-dichloroethenyl)-2,2-dimethyl-cyclopropanecarboxylate 57.00%

INERT INGREDIENTS 43.00%

100.00%

Contains petroleum distillates
 Cis/trans isomers ratio: min 35% cis and max 65% trans
 Contains 5 lb./gal. Permethrin

CAUTION
KEEP OUT OF REACH OF CHILDREN

BEST AVAILABLE COPY

MANUFACTURED BY
CLARKE MOSQUITO CONTROL PRODUCTS, INC.
 159 N. GARDEN AVENUE
 ROSELLE, ILLINOIS 60172

EPA EST. NO. R231001
 EPA Reg. No. R329

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 and/or handling is contrary to label instructions.

This is equivalent to 0.110 lb of permethrin carrier to allow distribution over the area 35-200 microns mmd. To obtain optimum results of housing, buildings including plant surface, recreational areas such as football fields, spray the insecticide-oil mixture at the air interface of woods surrounding the main area. may also be applied in any vegetated areas infestations in residential areas.

To Kill Gypsy Moths and Tent Caterpillars in the insecticide oil mixture (as described) vegetation by backpack applicator using 62 over a swath of 50 feet applying 12.6 Fl. Oz. Permethrin/acre. Apply thoroughly to all foliage.

TRUCK MOUNTED -

SCORE 57% is recommended for application nonthermal aerosol (cold fog) to control recreational areas where these insects are parks, campsites, woodlands, athletic areas and municipalities, gardens, playground waste areas. Do not apply this product to streams. Do not allow spray treatment to ranges or water supplies. For best results and weather conditions are conducive to cool temperatures and wind speed not greater than 10 mph. Application should be made during cool hours of the night or early morning if needed.

U.L.V. Nonthermal Aerosol (Cold Fog)
 Midgees and Blackflies, apply SCORE 57% applicator capable of producing a nonthermal size from 5 to 30 microns and a mass median diameter of 10 microns. Apply the product undiluted at a flow rate of average vehicle speed of 10 mph. If a diffuser is used, these rates are equivalent to 0.1 acre. Vary flow rate according to vegetation. Higher flow rate in heavy vegetation or where meter must be used to ensure the proper flow. Diluting with a suitable solvent such as a non-toxic oil. Charts represent some suggested dilution applications. If an alternate dilution rate is needed, use the following rates.

FOR A 1:4 SCORE 57%/SOL

Mix one (1) part SCORE 57% with four (4) parts solvent.

Permethrin pounds/acre	Application Rate (Fl. oz. 5MPH 10MPH)
0.007	2.70 5.40
0.0035	1.35 2.70
0.00175	0.68 1.35

FOR A 1:9 SCORE 57%/SOL

Mix one (1) part SCORE 57% with nine (9) parts solvent.

Permethrin pounds/acre	Application Rate (Fl. oz. 5MPH)
0.007	5.40
0.0035	2.70
0.00175	1.35

AUG 17 1992
 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. R329.
 B329-44

ACTIVE INGREDIENTS
 Permethrin 3-(Phenylphenyl) methyl ketone
 3-(2,2,4,4-tetrahydro-2H-pyridin-2-yl) dimethyl
 propyl ether
 100%

Contains 5 lb gal Permethrin

CAUTION

KEEP OUT OF REACH OF CHILDREN

CLARKE MOSQUITO CONTROL PRODUCTS, INC.

1000 GARDEN AVENUE

CHICAGO, ILLINOIS 60642

AUG 17 1992

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pest(s) registered on the EPA label.

NET CONTENTS

This is equivalent to 0.1 lb of Permethrin/Acre. Apply the product with sufficient pressure to allow distribution over the area to be treated using particle sizes from 15-200 microns mm. To obtain optimum results, cover the immediate surroundings (including buildings, including plant surfaces where mosquitoes may rest. For large recreational areas such as football fields, stadiums, racetracks, and public parks, spray the immediate area at the above mentioned application rate on the day the event will be commencing the area where the event is to take place. Spray may also be applied in any vegetated area where mosquitoes may rest causing discomfort to people.

For Mosquitoes, Fleas, and Ticks, apply to areas infesting woodlands and forest areas. Apply the product to the area as described above directly to insect nests and eggs. Operate the fog applicator using 2.5 fl. oz. / acre at a walking speed of 2 MPH over a swath of 15 feet applying 12.5 fl. oz. / acre. This is equivalent to 0.25 lb of Permethrin per acre. Apply directly to the foliage and insect nests.

TRUCK MOUNTED -ULV- EQUIPMENT

For use in residential areas, use as an ultra-low volume (ULV) thermal fogger and fog applicator for mosquito control in residential and recreational areas where the insects are a problem, such as but not limited to parks, campgrounds, athletic fields, golf courses, residential areas and playgrounds. For parks, playgrounds, recreational areas and campgrounds, use at a rate of 0.25 fl. oz. / acre at a walking speed of 2 MPH over a swath of 15 feet applying 12.5 fl. oz. / acre. This is equivalent to 0.25 lb of Permethrin per acre. Apply directly to the foliage and insect nests. For golf courses, use at a rate of 0.25 fl. oz. / acre at a walking speed of 2 MPH over a swath of 15 feet applying 12.5 fl. oz. / acre. This is equivalent to 0.25 lb of Permethrin per acre. Apply directly to the foliage and insect nests. For residential areas, use at a rate of 0.25 fl. oz. / acre at a walking speed of 2 MPH over a swath of 15 feet applying 12.5 fl. oz. / acre. This is equivalent to 0.25 lb of Permethrin per acre. Apply directly to the foliage and insect nests.

ULV Nonthermal Aerosol (Cold Fog) Application: For use in residential areas, use as an ultra-low volume (ULV) nonthermal aerosol fogger and fog applicator for mosquito control in residential and recreational areas where the insects are a problem, such as but not limited to parks, campgrounds, athletic fields, golf courses, residential areas and playgrounds. For parks, playgrounds, recreational areas and campgrounds, use at a rate of 0.25 fl. oz. / acre at a walking speed of 2 MPH over a swath of 15 feet applying 12.5 fl. oz. / acre. This is equivalent to 0.25 lb of Permethrin per acre. Apply directly to the foliage and insect nests. For golf courses, use at a rate of 0.25 fl. oz. / acre at a walking speed of 2 MPH over a swath of 15 feet applying 12.5 fl. oz. / acre. This is equivalent to 0.25 lb of Permethrin per acre. Apply directly to the foliage and insect nests. For residential areas, use at a rate of 0.25 fl. oz. / acre at a walking speed of 2 MPH over a swath of 15 feet applying 12.5 fl. oz. / acre. This is equivalent to 0.25 lb of Permethrin per acre. Apply directly to the foliage and insect nests.

FOR A 1:4 SCORE 57% SOLVENT DILUTION RATIO

Permethrin pounds/acre	Application Rates Fl. oz./Min.			Fl. oz. finished spray per acre
	5MPH	10MPH	15MPH	
0.007	8.0	16.0	32.0	2.70
0.0035	4.0	8.0	16.0	1.35
0.00175	2.0	4.0	8.0	0.68

FOR A 1:9 SCORE 57% SOLVENT DILUTION RATIO

Permethrin pounds/acre	Application Rates Fl. oz./Min.			Fl. oz. finished spray per acre
	5MPH	10MPH	15MPH	
0.007	8.0	16.0	32.0	1.30
0.0035	4.0	8.0	16.0	0.65
0.00175	2.0	4.0	8.0	0.33

FOR A 1:14 SCORE 57% SOLVENT DILUTION RATIO
 Mix one (1) part SCORE 57% with fourteen (14) parts solvent and apply at the following rates

Permethrin pounds/acre	Application Rates Fl. oz./Min.			Fl. oz. finished spray per acre
	5MPH	10MPH	15MPH	
0.007	8.0	16.0	32.0	2.70
0.0035	4.0	8.0	16.0	1.35
0.00175	2.0	4.0	8.0	0.68

For proper application, mount the fog applicator so that the nozzles are 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 ULV 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 0.2 to 0.6 fluid ounces per acre of SCORE 57% per acre. SCORE 57% may also be diluted with a suitable diluent such as mineral oil and applied by aerial ULV equipment so long as 0.6 fluid ounces per acre of SCORE 57% is not exceeded. Both aerial and ground applications should be made when winds are less than 10 MPH.

STORAGE & DISPOSAL

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

PESTICIDE STORAGE AND SPILL PROCEDURES: 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 of a fine crystalline material which will not be 100% effective. Thoroughly mix before using. DO NOT USE OPEN FLAME. Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with care, away from water.

PESTICIDE DISPOSAL: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Do not reuse or refill containers. Do not use for any other purpose. Do not use for any other purpose. Do not use for any other purpose. Do not use for any other purpose.

CONTAINERS ONE GALLON AND SMALLER: Empty containers may be recycled. Do not reuse or refill containers. Do not use for any other purpose. Do not use for any other purpose.

CONTAINERS LARGER THAN ONE GALLON: Empty containers may be recycled. Do not reuse or refill containers. Do not use for any other purpose. Do not use for any other purpose. Do not use for any other purpose.

FOR MORE INFORMATION CALL:
1-800-323-5727 (Outside Illinois)
1-800-942-2555 (Inside Illinois)