


8329-92

9/21/2011

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 <p align="center">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460</p>	EPA Registration No. 8329-92	Date of Issuance: SEP 21 2011
<p align="center">NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</p>	Term of Issuance: Conditional	
	Name of Pesticide Product: CMP119-003	
<p>Name and Address of Registrant (include ZIP Code): Karen J. Larson Director, Global Registrations Clarke Mosquito Control Products, Inc. 110 E. Irving Park Road, 4th Floor Roselle, IL 60172</p>		
<p>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p>		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(a) provided that you:</p> <p align="center">(See comments on pages 2-3)</p> <p>A copy of your label stamped "Accepted with Comments" is enclosed for your records.</p>		
<p>Signature of Approving Official: Refer to Page 3 Richard J. Gebken, Product Manager Registration Division, Insecticide Branch</p>	<p>Date: SEP 21 2011</p>	

EPA Form 8570-6

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable subject to the comments listed below.

- 1. Make the following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 8329-92"
 - b. Per the Agency's Product Performance/Efficacy Review, the label must be revised to include instructions for preparing the 0.008 lbs ai/acre rate for *Aedes taeniorhynchus* in the application rates tables.
 - c. Per the Agency's Acute toxicity review, the following statement must be added to the FIRST AID section: "NOTE TO PHYSICIAN: May pose an aspiration pneumonia hazard. Contains petroleum distillate."

Also the Hazards to Humans and Domestic Animals Statement must be revised to include the statement "Contains petroleum distillate."

- d. In the Directions for Use section on page 3, prior to the instructions on wind speed, the following statement must be added: "SPRAY DRIFT MANAGEMENT for WIDE AREA MOSQUITO ABATEMENT. A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product."
- e. Because the inerts listed on the submitted confidential statement of formula (CSF) are not approved for food use, the term 'agricultural areas' must be deleted as a use site, as listed on page 3. In order for the site to be allowed, the CSF must be amended to only include inert ingredients that are approved for food use.

3. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit data.

4. Within sixteen (16) months of the date on this Notice of Registration, provide to the Agency acceptable data packages for Guideline Studies as follows:

- a. OPPTS 830.6317, (Storage Stability) and OPPTS 830.6320 (Corrosion Characteristics). If acceptable data is not submitted within 16 months of this NOR, this registration will expire on January 21, 2013.
- b. An acceptable product performance/efficacy study with *Anopheles* mosquitoes must be submitted within 12 months of this NOR.
- c. An acceptable aerial spraying efficacy study must be submitted within 18 months of this NOR. The study must be conducted in at least two sites in the USA where

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mosquito populations are prevalent. Wild mosquito populations should be included in these trials. The product must be applied without a synergist as directed by the label.

Two copies of the finished labeling must be submitted prior to releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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. If you have any questions, you may contact Clayton Myers, at (703) 347-8874, or via email at myers.clayton@epa.gov.

Sincerely,



Richard Gebken
Product Manager
Insecticide Branch
Registration Division (7505P)

Enclosures:

- Stamped Label
- Agency Acute Toxicity Review
- Agency Product Chemistry Review
- Agency Product Performance/Efficacy Review

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008529-xxxxx 20110304 CMP119-003

ACCEPTED
With COMMENTS
In EPA Letter Dated:

SEP 21 2011

Under the Federal Insecticide, Fungicide
and Rodenticide Act, As amended, for the
pesticide Registered under EPA Reg. No:

8329-92

Text in [brackets] indicates optional labeling claims

[Alternate brand name: Merus™]

CMP119-003

[For control of adult mosquitoes in Outdoor Residential, Recreational and other outdoor areas]

[Quick Knockdown]

[Contains pyrethrins – a botanical insecticide derived from chrysanthemums]

[For Aerial or Ground Application]

[A PyGanic® Product; PyGanic® is a registered trademark of McLaughlin Gormley King Company]

Active Ingredient:	
Pyrethrins, a botanical insecticide.....	5.0%
Other Ingredients **	95.0%
	100.0%
Contains 0.36 pounds Pyrethrins per gallon	

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

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 1-800-214-7753.	
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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Caution. Avoid contact with skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE): Mixers, loaders, applicators and other handlers must wear the following: long-sleeve shirt, long pants, shoes and socks. See engineering controls for additional requirements.

User Safety Requirements: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE

separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

Engineering Controls: Pilots must use an enclosed cockpit that meet the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)]. Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms, including fish and aquatic invertebrates. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates.

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 area, except when applications are made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes, or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recover effort..

Before making the first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist,

Do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries), except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinsate or wash waters.

DIRECTIONS FOR USE

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

GENERAL PRECAUTIONS AND RESTRICTIONS:

Not for use in outdoor residential misting systems.

Note: CMP119-003 cannot be diluted in water. Dilute this product with light mineral oil if dilution is preferred.

For use only by federal, state, tribal or local government officials responsible for public health or vector control, or by persons certified in the appropriate category or otherwise authorized by the

state or tribal lead pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct supervision.

IN CALIFORNIA: This product is to be applied by County Health Department, State Department of Health Services, Mosquito and Vector Control or Mosquito Abatement District personnel, or persons under contract to these entities only.

IN FLORIDA: Do not apply by aircraft unless approved by the Florida Department of Agriculture and Consumer Services.

The maximum application rate for wide-area mosquito adulticide applications is 0.0025 lbs ai/acre. When targeting *Aedes taeniorhynchus* and other difficult species, applications may be made up to 0.008 lbs ai/acre/day.

Do not apply more than 0.2 lbs ai/acre/year in any treated area. More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal, or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

Apply only when wind speed is greater than or equal to 1 mph.

CMP119-003 may be used undiluted or diluted with suitable light mineral oil and applied as an ultra-low volume (ULV) non-thermal aerosol (cold fog) or in suitable mechanical spray equipment. Do not apply this product with thermal fogging equipment.

CMP119-003 may be used to control adult mosquitoes, flies and gnats in mosquito control programs including residential, industrial, recreational, and agricultural areas, vegetation surrounding swamps, marshes, overgrown waste areas, roadsides and pastures and other areas adult mosquitoes occur. For best results, treat when mosquitoes are most active. Application during the cool hours of the night or early morning is usually preferable, with a minimum application temperature of 50°F.

Ground-based wide-area mosquito abatement application:

Spray equipment must be adjusted so that the volume median diameter is less than 30 microns ($Dv\ 0.5 < 30\ \mu m$) and that 90% of the spray is contained in droplets smaller than 50 microns ($Dv\ 0.9 < 50\ \mu m$). Directions from the equipment manufacturer or vendor, pesticide registrant, or a test facility using a laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

To control mosquitoes, flies and gnats, apply CMP119-003 using any standard ULV vehicle-mounted applicator capable of producing a non-thermal (cold fog) aerosol spray cloud with appropriately sized droplets. Apply undiluted at a flow rate of 3.2 to 5.4 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 0.0015 to 0.0025 pounds active ingredient per acre. Within this range, vary flow rate according to vegetation density and mosquito population. Use higher rate in heavy vegetation or when pest population numbers are high.

Rates to use CMP119-003 Undiluted for mosquito control

Pounds a.i./Acre	Application Rates Fl.oz./Min.				Fl.oz. CMP119-003 per Acre
	5MPH	10MPH	15MPH	20MPH	
0.0025	2.7	5.4	8.0	10.7	0.88
0.0021	2.2	4.5	6.7	9.0	0.74
0.0018	1.9	3.9	5.8	7.7	0.64
0.0015	1.6	3.2	4.8	6.4	0.53

Applications up to 2.83 fl.oz. (0.008 lb ai) per acre/day may be made when targeting *Aedes taeniorhynchus* or other difficult species.

If dilution is preferred, adjust the flow rate accordingly to achieve dosing up to 0.0025 lbs ai/acre. Applicable flow rates for a 1 part concentrate to 1 part diluent oil dilution are presented. If an alternate dilution rate is used, adjust the flow rate accordingly.

Rates to use a 2.5% pyrethrins dilution (1 to 1 dilution ratio) for mosquito control:

Pounds a.i./Acre	Application Rates Fl.oz./Min.				Fl.oz. Finished Spray per Acre
	5MPH	10MPH	15MPH	20MPH	
0.0025	5.4	10.7	16.1	21.4	1.77
0.0021	4.5	9.0	13.5	18.0	1.48
0.0018	3.9	7.7	11.6	15.4	1.27
0.0015	3.2	6.4	9.6	12.8	1.06

Urban ULV mosquito control: for control of resting or flying adult mosquitoes in areas such as utility tunnels, sewers, storm drains and catch basins, pipe chases, underground basements, underground passages, parking decks, crawl spaces or uninhabited buildings. Apply using hand-held or truck-mounted ULV equipment, or other spray equipment suitable for this application. Apply at rates up to but not exceeding 0.0025 pounds pyrethrins per acre per day (0.88 fluid ounces of undiluted spray per acre per day). Do NOT use hand-held equipment for this type of application in enclosed spaces.

Aerial wide-area mosquito abatement application:

Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns ($Dv\ 0.5 < 60\ \mu m$) and that 90% of the spray is contained in droplets smaller than 80 microns ($Dv\ 0.9 < 80\ \mu m$). The effects of flight speed, and for non-rotary nozzles, nozzle angle on the droplet size spectrum must be considered. Directions from the equipment manufacturer or vendor, pesticide registrant, or a test facility using a wind tunnel and laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra.

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Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

Apply using nozzle height of no less than 100 feet for fixed wing aircraft or 75 feet for rotary wing aircraft above the ground or canopy, unless specifically approved by the state or tribe based on public health needs.

Apply by suitable fixed wing or rotary aircraft equipped with nozzles capable of producing a non-thermal (cold fog) aerosol spray cloud with appropriately sized droplets. Flow rate and swath width should be set so as to achieve 0.53 to 0.88 fluid ounces of undiluted CMP119-003 per acre.

Pounds a.i./Acre	Fl.oz. CMP119-003 per Acre
0.0025	0.88
0.0021	0.74
0.0018	0.64
0.0015	0.53

CMP119-003 may also be diluted with suitable diluent light mineral oil and applied so as not to exceed 0.0025 lb ai per acre. Diluted or undiluted, applications up to 2.83 fl.oz. CMP119-003 (0.008 lb ai) per acre/day may be made when targeting *Aedes taeniorhynchus* or other difficult species.

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: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

[For Nonrefillable containers of 5 gallons or less]

[Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with mineral oil and recap. Shake for 10 seconds. Pour rinsate into application equipment or a rinse tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.]

[For Nonrefillable containers over 5 gallons:]

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[Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank. Fill the container ¼ full with mineral oil. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.] Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.]

[For Refillable Containers]
 [Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling, if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.]

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

NOTICE: To the extent provided by law, [seller] [Clarke Mosquito Control Products, Inc.] makes no warranty, expressed or implied, concerning the use of this product other than as indicated on the label. Buyer assumes all risk of use/handling of this material when use and/or handling is contrary to label instructions.

Manufactured By
CLARKE MOSQUITO CONTROL PRODUCTS, INC.
 159 N. GARDEN AVENUE
 ROSELLE, ILLINOIS 60172

EPA Reg. No.: 8329-xxxx

EPA Est. No.: [8329-IL-01] [8329-IL-03]

NET CONTENTS: _____
 LOT NO.: _____
 [DATE OF MANUFACTURE: _____]