09/16/3006



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505C) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460 EPA Reg. Number:

Date of Issuance:

1021-1807

FEB 16 2006

NOTICE OF PESTICIDE:

X Registration
Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

MULTICIDE® Fogging

Concentrate 2807

Name and Address of Registrant (include ZIP Code):

McLaughlin Gormley King 8810 Tenth Avenue North Minneapolis, MN 55427-4372

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.

On the basis of information furnished by the registrant, the above named pesticide is hereby conditionally registered under the Federal Insecticide, Fungicide and Rodenticide Act. 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.

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

- Submit and/or cite all data required for registration of your product under FIFRA §3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA §4.
- Make the following label changes before you release the product for shipment:
 - a Revise the EPA Registration Number to read, "EPA Reg. No. 1021-1807."

Continued on page 2

Signature of Approving Official:

Date:

FEB 16 2006

Richard Gebken, Product Manager (10)

Insecticide Branch, Registration Division (7505C)

EPA Form 8570-0

- b Modify the directions for use presented on the label as follows:
 - i As per PR Notice 2005-1, replace the appropriate sections with the text provided below verbatim:

"This pesticide is [toxic/extremely toxic] to aquatic organisms, including [insert general types of organisms]. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to [insert general types of organisms]. [If appropriate, insert any additional wildlife hazard statements]. [Bee precaution can be inserted here or as a third paragraph of this section of the label]. [Insert consultation with state/tribal agency statement]."
and.

"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 washwaters."

"Do not re-treat a site more than once in [X hours/days]; no more than [Y] applications should be made to a site in any [Z weeks/months] or [one year]. 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."

ii Remove the following statement from the Ground U.L.V. Application directions, as it contradicts the spray droplet size information provided:

"To control mosquitoes, apply MULTICIDE® Fogging Concentrate 2807 using any standard ultra low-volume (U.L.V.) ground applicator capable of producing a non-thermal aerosol spray with a volume median diameter (VMD) of 5 to 25 microns."

iii Revise the Ground U.L.V. Application directions to read

"... using a swath width of 150 feet" instead of 300 feet. Modify any affected flow rate directions."

- iv Revise the statements "Do not allow spray treatment to drift on pastureland, cropland, poultry ranges, or water supplies" and "Do Not contaminate food, feed or drinking water." as follows:
 - 1) "Do not apply to, or allow spray treatment to drift over food crops, forage crops, rice or livestock."
 - 2) "Do not apply over or allow spray treatment to drift onto potable water supplies."
 - 3) "Do not contaminate feed, drinking water, milk or milk-handling equipment."
 - 4) "Do not apply this product through any type of irrigation system."
 - 5) "Do not apply when temperature inversions exist."
 - 6) "Apply during early morning or late evening."
- Submit acceptable product performance (OPPTS No. 810.3400) studies within 12 months of the date of this registration, which satisfy the following requirements:
 - a. Field test the undiluted and 1:5 dilution for ground and aerial applications. State the diluent(s) used. Adhere to the directions for use specified on the label.
 - b. Submit aerial application product performance data with the subject product. Data should be submitted from a minimum of three geographic locations within the United States.
 - c. Submit ground ULV data using a standardized field evaluation design. Cage placement shall be in three rows with a minimum of three cages per row set 50-100 feet apart. Rows shall be 100, 200 and 300 feet downwind from the spray path. More than three rows may be used.
 - d. Test only female mosquitoes. A minimum of 20 individuals should be placed in each cage. Three or more control replicates shall be located upwind of the fog.
- 4 Submit 2 copies of the revised final printed label for the record before you release the product for shipment.

A copy of the acute toxicity (dated 11 March 2004), and efficacy (dated 15 February 2006) reviews are included for your records.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §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.

Sincerely

Richard Gebken

Product Manager (10)

Insecticide Branch

Registration Division (7505C)

Enclosures Acute toxicity DER 001021-0RINT S749632-ER.doc Stamped Draft Label MGK[®]

McLAUGHLIN GORMLEY KING COMPANY

with OMMENTS CIDE® Fogging Concentrate 2807 In EPA Letter Dated:

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4372 U.S.A. - Telephone (763) 544-0341 Under the Federal Insecticide

[]denotes alternate language

A water based formulation.

as amended, for the pesticide registered under EPA Reg. No. 1021 - 1807

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.

ACTIVE INGREDIENTS:

100.00%

- Equivalent to 4.00% (butylcarbityl) (6-propylpiperonyl) ether and 1.00% related compounds
- Contains petroleum distillate

Contains 0.74 pounds of Technical SUMITHRIN®/Gallon and 0.74 pounds Technical Piperonyl Butoxide/Gallon.

MULTICIDE® -

Registered trademark of McLaughlin Gormley King Company

Sumithrin™ -

Trademark of Sumitomo Company Ltd.

CAUTION

KEEP OUT OF REACH OF CHILDREN
PRECAUCION AL USUARIO: Si usted no lee ingles, no use
este producto hasta que la etiqueta haya sido explicado
ampliamente

FIRST AID

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

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.

Net Contents

Manufactured by:
Mc LAUGHLIN GORMLEY KING COMPANY
8810 Tenth Avenue North
Minneapolis, MN 55427

EPA Reg. No. 1021-

EPA Est. No. 1021-MN-2

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply over water, except where mosquitoes are emerging or swarming, or to treat vegetation where mosquitoes may rest. Drift and washoff from vegetation may be hazardous to aquatic organisms in or adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate. Consult with the State or Federal agency in charge of fish and game before applying to public waters to determine if a permit is needed.

This product is toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply to blooming crops or weeds when bees are 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 recovery effort.

DIRECTIONS FOR USE

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

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.

Remove pets, birds, and cover fish aquariums before spraying.

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 only.

PROHIBITION ON AERIAL USE: Not for aerial application in Florus unless specifically authorized by the Bureau of Entomology, Florida Department of Ag ure and Consumer Services.

Do not allow spray treatment to drift on pastureland, cropland, poultry ranges, or water supplies.

Do not contaminate food, feed or drinking water.

Wear long sleeved shirt and long pants, socks and shoes.

MULTICIDE® Fogging Concentrate 2807 cannot be mixed with oil. Use only clean water.

SHAKE OR AGITATE THOROUGHLY BEFORE DILUTING. Diluted product must be thoroughly agitated before use. Avoid storing excess formulation in equipment.

USE AREAS: For use in mosquito adulticiding programs involving outdoor residential and recreational areas where adult mosquitoes are present in annoying numbers, and in vegetation surrounding parks, woodlands, swamps, marshes, overgrown areas and golf courses. For best results, apply when mosquitoes are most active and meteorological conditions are conducive to keeping the spray cloud close to the ground, such as when air temperature inversion is present. Do not apply when wind speeds exceed 10 mph.

Do not treat a site with more than 0.0036 pounds of sumithrin per acre in a twenty-four hour period. Do not exceed 1.0 pounds of Sumithrin® per acre in any site in any year. More frequent applications may be made if adult mosquitoes have reinfested the treatment area and 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.

SPRAY DROPLET SIZE DETERMINATION:

Ground Equipment: Spray equipment must be adjusted so that the volume median diameter (VMD) is 8 to 30 microns ($8 \le Dv \ 0.5 \le 30$ um) and that 90% of the spray is contained in droplets smaller than 50 microns ($Dv \ 0.9 < 50$ um). 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.

Aerial Equipment: Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns (Dv 0.5 < 60 um) and that 90% of the spray is contained in droplets smaller than 100 microns (Dv 0.9 < 100 um). 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. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated

GROUND U.L.V. APPLICATION: To control mosquitoes, apply MULTICIDE® Fogging Concentrate 2807 using any standard ultra low-volume (U.L.V.) ground applicator capable of producing a non-thermal aerosol spray with a volume median diameter (VMD) of 5 to 25 microns. Apply MULTICIDE® Fogging Concentrate 2807 undiluted at a flow rate of 1.3 to 3.8 fluid ounces per minute at an average vehicle speed of 10 mph using a swath width of 300 feet for acreage calculations (see chart below). Under normal residential conditions a flow rate of 2.5 fluid ounces per minute is recommended. If a different vehicle speed is used, adjust rate accordingly. These rates are equivalent to 0.0012 to 0.0036 pounds of Sumithrin® and Piperonyl butoxide per acre. Vary flow rate according to vegetation density and mosquito

population. Use high rate in heavy vegetation or when populations are high. For proper application, mount the plicator so the nozzles is at least 4 ½ feet above ground level and directed out the back or the vehicle. Failure to follow the above directions may result in reduced effectiveness.

MULTICIDE® Fogging Concentrate 2807 may also be diluted with water and applied so as not to exceed the maximum pounds of active ingredient per acre as shown in the tables below. It is an alternative dilution rate is used, adjust the flow rate accordingly, provided the croples size and spectrum remains within label specifications.

Rates to use MULTICIDE® Fogging Concentrate 2807 Undiluted for Mosquito Control:

Pounds a.i./Acre		cre MFC 2807	
Sumithrin®	РВО	Fl. oz./Acre	
0.0036	0.0036	0.62	
0.0024	0.0024	0.42	
0.0012	0.0012	0.21	

Flow Rates in fluid oz./minute at truck speeds of:			
5 MPH	10 MPH	15 MPH	20 MPH
1.9	3.8	5.7	7.6
1.3	2.5	3.8	5.1
0.6	1.3	1.9	2.5

Rates to use diluted (1 to 1 dilution ratio) MULTICIDE® Fogging Concentrate 2807

	Pounds a.l./Acre		Finished Spray
	Sumithrin®	PBO	Fl. oz./Acre
	0.0036	0.0036	1.20
Г	0.0024	0.0024	0.83
	0.0012	0.0012	0.42

Flow Rates in fluid oz./minute at truck speeds of:			
5 MPH	10 MPH	15 MPH	20 MPH
3.8	7.5	11.3	15.1
2.5	5.0	7.5	10.0
1.3	2.5	3.8	5.0

Rates to use diluted (1 to 2 dilution ratio) MULTICIDE® Fogging Concentrate 2807 for Mosquito Control

Pounds a.i./Acre		Finished Spray
Sumithrin®	PBO	Fl. oz./Acre
0.0036	0.0036	1.92
0.0024	0.0024	1.28
0.0012	0.0012	0.64

Flow Rates in fluid oz./minute at truck speeds of:				
5 MPH	10 MPH	15 MPH	20 MPH	
5.8	11.6	17.5	23.3	
3.9	7.8	11.6	15.5	
1.9	3.9	5.8	7.8	

MULTICIDE® Fogging Concentrate 2807 may be applied undiluted portable "backpack" or hand-held spray unit capable of delivering drop in the 5 to 25 micron range. Apply at a walking speed of 2 mph, ensuring that maximum application rates are not exceeded.

AERIAL APPLICATION: MULTICIDE® Fogging Concentrate 2807 may be applied at rates of 0.21 to 0.62 fluid ounces MULTICIDE® Fogging Concentrate 2807 per acre by fixed wing or rotary aircraft equipped with suitable ULV application equipment. MULTICIDE® Fogging

Concentrate 2807 mealso be diluted with water and applied by aerial ULV equipment so long as 0.62 fluid ounce. acre of MULTICIDE® Fogging Concentrate 2807 is not exceeded. Aerial application should be made at an altitude below 300 feet. Lio not apply when ground wind speeds exceed 10 MPH.

Reference the dilution charts on this label. If an alternative dilution rate is used, adjust the flow rate accordingly, provided the droplet size and spectrum remains within label specifications.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry place. Keep container closed.

<u>PESTICIDE DISPOSAL</u>: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

<u>CONTAINER DISPOSAL</u>: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of container in a sanitary landfill, or by other procedures approved by state and local authorities.