



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

February 18, 2026

Thomas A. Lennan  
Senior Regulatory Affairs Specialist  
McLaughlin Gormley King Company D/B/A/ MGK  
7325 Aspen Lane N.  
Minneapolis, MN 55428

Subject: Label Amendment - Registration Review Mitigation for Phenothrin  
Product Name: MULTICIDE FOGGING CONCENTRATE 2807  
EPA Registration Number: 1021-1807  
Case Number: 474452  
Application Date: February 16, 2021

Dear Thomas Lennan:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Phenothrin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for

shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Garland Waleko by phone at 513-569-7983, or via email at [waleko.garland@epa.gov](mailto:waleko.garland@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "Dana L. Friedman". The signature is written in a cursive style with a large initial "D".

Dana L. Friedman, Chief  
Risk Management and Implementation Branch 1  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs  
U.S. Environmental Protection Agency

ENCLOSURE: Stamped label

# MULTICIDE® Fogging Concentrate 2807

For Use in Mosquito Adulticiding Programs

[ ] denotes alternate language

d-PHENOTHRIN (SUMITHRIN®)	GROUP	<b>3A</b>	INSECTICIDE
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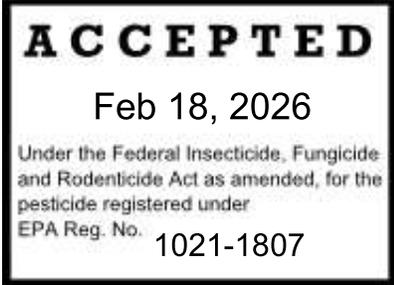
[A water based formulation]

**ACTIVE INGREDIENTS:**

Sumithrin®: 3-Phenoxybenzyl-(1RS, 3RS, 1RS, 3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl) Cyclopropanecarboxylate .....	10.00%
* Piperonyl Butoxide .....	10.00%
OTHER INGREDIENTS .....	<u>80.00%</u>
	100.00%

\*(butylcarbityl) (6-propylpiperonyl) ether and related compounds  
 Contains 0.847 pounds of Technical SUMITHRIN®/Gallon and 0.847 pounds Piperonyl Butoxide (PBO)/Gallon.

MULTICIDE® - Registered trademark of McLaughlin Gormley King Company  
 Sumithrin® - Registered trademark of Sumitomo Chemical Co., Ltd.



## KEEP OUT OF REACH OF CHILDREN CAUTION

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:	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
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.	

Manufactured by  
  
 8810 Tenth Avenue North  
 Minneapolis, MN 55427

EPA Reg. No. 1021-1807

EPA Est. No. 1021-MN-2

Net Contents \_\_\_\_\_

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.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators, and other handlers must wear the following:

- long-sleeved 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 material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

### USER SAFETY RECOMMENDATIONS

Users should wash hands before eating drinking chewing gum, using tobacco, or using the toilet. Users should remove clothing /PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, was thoroughly and change into clean clothing.

### ENGINEERING CONTROLS

Pilots must use an enclosed cockpit that meets 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 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 recovery effort. This pesticide is toxic to aquatic organisms. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to aquatic organisms.

### DIRECTIONS FOR USE

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

#### **Insecticide Resistance Management (IRM) Recommendations**

For resistance management, MULTICIDE® Fogging Concentrate 2807 contains Group 3 insecticides. Any insect population may contain individuals naturally resistant to MULTICIDE® Fogging Concentrate 2807 and other Group 3 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same area. Appropriate resistance-management strategies should be followed.

NOTE: When rotating products with other insecticides containing PBO, do not exceed 2 lbs PBO per acre per year.

To delay insecticide resistance, take the following steps:

- Rotate the use of MULTICIDE® Fogging Concentrate 2807 or other Group 3 insecticides with other labeled effective mosquito adulticides that have a different mode of action.
- Adopt an integrated pest management program for insecticide use that includes surveillance, uses historical information related to pesticide use, record keeping, and which considers biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, contact your local university specialist or MGK representative.
- Contact your local extension specialist, technical advisor, and/or MGK representative for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problem in your area.
- For further information or to report suspected resistance, contact your local MGK representative by calling 1-800-323-5727.

IN FLORIDA: Aerial applications of this product require trained personnel to perform industry accepted assays to monitor resistance formation in targeted mosquitoes.

## MANDATORY SPRAY DRIFT MANAGEMENT

### **Ultra Low Volume Applications**

- Apply when ground wind speeds are equal to or greater than 1 mph.
- All types of applications should be conducted when temperatures at ground level are at or above 50°F.
  
- **For Ground Applications:**
  - Create an optimum swath when possible. An optimum swath width can be achieved when MULTICIDE® Fogging Concentrate 2807 is applied from a truck that is being driven perpendicular to the wind direction. Direct the spray head of equipment to ensure even distribution of the spray cloud throughout the area.
  - FOR BEST RESULTS treat when mosquitoes or other labeled insects are most active and weather conditions are conducive to keeping the spray cloud in the air column close to the ground.
  - An inversion of air temperatures and a light breeze is preferable. Application during the cooler hours of the night or early morning is recommended.
- **For Aerial Applications:**
  - Do not apply by fixed wing aircraft at a nozzle height less than 100 feet (30.5 m) above ground or canopy, or by helicopter at a height less than 75 feet (22.9 m) above the ground or canopy, unless specifically approved by the state or tribe based on public health needs.

### **Adult mosquito control applications should be limited to trained personnel.**

- 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 supervision, or as allowed by state regulations for persons treating private property.
- 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 beyond the body of water to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinsate or wash waters.
- 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 treat a site with more than 0.0036 lb of Sumithrin and piperonyl butoxide [PBO] per acre in a single application or in any 24-hour period. Do not exceed 0.1 lb. of Sumithrin or piperonyl butoxide [PBO] per acre in any site in one year. More frequent applications 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.

### **USE RESTRICTIONS:**

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.

Not for use in outdoor residential misting systems.

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 INFORMATION:** 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. MULTICIDE Fogging Concentrate 2807 may be applied over agricultural areas for the control of adult mosquitoes within or adjacent to these areas.

### **SPRAY DROPLET SIZE DETERMINATION:**

**Ground-Based, wide area mosquito abatement application:** Spray equipment must be adjusted so that the volume median diameter (VMD) is less than 30 microns ( $D_v 0.5 < 30 \mu m$ ) and that 90% of the spray is contained in droplets smaller than 50 microns ( $D_v 0.9 < 50 \mu m$ ). 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.

**Aerial wide area mosquito abatement application:** Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns ( $D_v 0.5 < 60 \mu m$ ) and that 90% of the spray is contained in droplets smaller than 80 microns ( $D_v 0.9 < 80 \mu m$ ). 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. 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**

Apply MULTICIDE® Fogging Concentrate 2807 undiluted at a flow rate of 1.1 to 3.3 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 2.2 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 flow rate in heavy vegetation or when populations are high.

MULTICIDE® Fogging Concentrate 2807 may also be diluted with water and applied so as not to exceed the 0.0036 lbs of each a.i., Sumithrin® and PBO per acre as shown in the dilutions tables 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.

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

Pounds a.i./Acre		MFC 2807
Sumithrin®	PBO	Fl. oz./Acre
0.0036	0.0036	0.54
0.0024	0.0024	0.36
0.0012	0.0012	0.18

Flow Rates in fluid oz./minute at truck speeds of:			
5 MPH	10 MPH	15 MPH	20 MPH
1.6	3.3	4.9	6.6
1.1	2.2	3.3	4.4
0.5	1.1	1.6	2.2

Rates to use diluted (1 to 1 dilution ratio) MULTICIDE® Fogging Concentrate 2807 (Finished spray is a 5% by weight Sumithrin, and contains 0.424 lbs of each a.i., Sumithrin and PBO per gallon)

Pounds a.i./Acre		Finished Spray
Sumithrin®	PBO	Fl. oz./Acre
0.0036	0.0036	1.09
0.0024	0.0024	0.73
0.0012	0.0012	0.36

Flow Rates in fluid oz./minute at truck speeds of:			
5 MPH	10 MPH	15 MPH	20 MPH
3.3	6.6	9.9	13.2
2.2	4.4	6.6	8.8
1.1	2.2	3.3	4.4

Rates to use diluted (1 to 2 dilution ratio) MULTICIDE® Fogging Concentrate 2807 (Finished spray is a 3.3% by weight Sumithrin, and contains 0.282 lbs of each a.i., Sumithrin and piperonyl butoxide per gallon)

Pounds a.i./Acre		Finished Spray
Sumithrin®	PBO	Fl. oz./Acre
0.0036	0.0036	1.63
0.0024	0.0024	1.09
0.0012	0.0012	0.54

Flow Rates in fluid oz./minute at truck speeds of:			
5 MPH	10 MPH	15 MPH	20 MPH
4.9	9.9	14.8	19.8
3.3	6.6	9.9	13.2
1.6	3.3	4.9	6.6

MULTICIDE® Fogging Concentrate 2807 may also be applied with non-thermal, portable, motorized backpack equipment adjusted to deliver ULV particles of less than 100 microns VMD. Use 0.18 to 0.54 fl.oz. of the undiluted spray per acre (equal to 0.0012 to 0.0036 lb.ai./acre) as a 50 ft (15.2 m) swath while walking at a speed of 2 mph (3.2 kph). Dilute only with water if dilution is preferred. Do not exceed 0.54 fl. oz. of the undiluted spray per acre. Do NOT use portable backpack equipment for application in enclosed spaces.

#### **AERIAL APPLICATION**

MULTICIDE® Fogging Concentrate 2807 may be applied at rates of 0.18 to 0.54 fluid ounces MULTICIDE® Fogging Concentrate 2807 per acre by fixed wing or rotary aircraft equipped with suitable ULV application equipment. MULTICIDE® Fogging Concentrate 2807 may also be diluted with water and applied by aerial ULV equipment so long as 0.54 fluid ounces per acre of MULTICIDE® Fogging Concentrate 2807 is not exceeded.

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 and disposal.

### PESTICIDE STORAGE:

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

### PESTICIDE DISPOSAL:

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

### CONTAINER DISPOSAL:

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  $\frac{1}{4}$  full with water 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 for reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

[Or for containers over 5 gallons:]

[Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water. 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.]

[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. 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.

[NOTICE: To the extent provided by law, Seller 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 and/or handling of this material when use and/or handling is contrary to label instructions.]