

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460



OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

October 29, 2014

Mr. Steven K. Ditto  
U.S. Regulatory Affairs Manager  
McLaughlin Gormley King Company  
8810 Tenth Avenue  
Minneapolis, MN 55427

Subject: PRIA Label Amendment Associated with a Petition to Amend an Existing  
Tolerance to Add Wide-Area Mosquito Adulticide Applications Over Crops  
Product Name: Multicide Fogging Concentrate 2922  
EPA Registration Number: 1021-2562  
Application Date: September 25, 2012  
Decision Number: 471296

Dear Mr. Ditto:

The application referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable under FIFRA Section 3(c)(7)(B), subject to the following conditions:

1. You must submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.
2. You are required to comply with the DCI and EDSP order identified below:
  - a. Prallethrin GDCI-128722-1109, issued on 02/01/2012
  - b. Prallethrin GDCI-128722-1244, issued on 04/17/2013
  - c. Phenothrin GDCI-069005-1098, issued on 02/01/2012
  - d. Phenothrin GDCI-069005-1285, issued on 01/30/2013
  - e. Piperonyl butoxide GDCI-067501-1063, issued on 12/18/2012
  - f. Piperonyl butoxide EDSP-067501-94, issued on 11/19/2009
  - g. Piperonyl butoxide EDSP-067501-95, issued on 11/19/2009
  - h. Piperonyl butoxide EDSP-067501-96, issued on 11/19/2009
  - i. Piperonyl butoxide EDSP-067501-97, issued on 11/19/2009
  - j. Piperonyl butoxide EDSP-067501-98, issued on 11/19/2009
  - k. Piperonyl butoxide EDSP-067501-99, issued on 11/19/2009
  - l. Piperonyl butoxide EDSP-067501-100, issued on 11/19/2009

You must comply with all of the data requirements within the deadlines established by the order. If you have questions about the Generic DCI or EDSP order listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:  
[http://www.epa.gov/oppsrrd1/contacts\\_prd.htm](http://www.epa.gov/oppsrrd1/contacts_prd.htm)

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) 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 18 months from the date of this letter. After 18 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.

Your release for shipment of the product constitutes acceptance of these conditions. If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). If you have any questions, please contact Kevin Sweeney by phone at (703) 305-5063 or via email at [sweeney.kevin@epa.gov](mailto:sweeney.kevin@epa.gov).

Sincerely,



Richard Gebken  
Product Manager 10  
Invertebrate and Vertebrate Branch 2  
Office of Pesticide Programs

Attachment

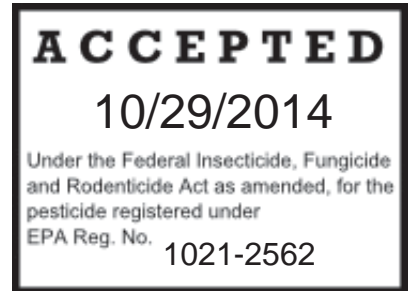
# MULTICIDE® Fogging Concentrate 2922

[ ]denotes alternate language

[A water based dual-action Adulticide for Effective Control of Adult MOSQUITOES, GNATS, NON-BITING MIDGES, BITING AND NON-BITING FLIES in Outdoor Residential and Recreational Areas]

**ACTIVE INGREDIENTS:**

Prallethrin: (RS)-2-methyl-4-oxo-3-(2-propynyl) cyclopent-2-enyl-(1RS)-cis, trans-chrysanthemate .....	1.00%
Sumithrin®: 3-Phenoxybenzyl-(1RS, 3RS, 1RS, 3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl) Cyclopropanecarboxylate .....	5.00%
* Piperonyl Butoxide.....	5.00%
OTHER INGREDIENTS .....	89.00%
	100.00%



\* (butylcarbityl) (6-propylpiperonyl) ether and related compounds

Contains 0.084 pounds of Prallethrin/Gallon, 0.422 pounds of Sumithrin®/Gallon and 0.422 pounds of Technical Piperonyl Butoxide/Gallon.

MULTICIDE® - Registered trademark of McLaughlin Gormley King Company  
Sumithrin™ - Trademark of Sumitomo Company 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**

<b>IF IN EYES:</b>	<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. 1021-2562

EPA Est. No. 1021-MN-2

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

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. 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 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. As soon as possible, wash 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 170.2400(d)(6)].

Human flagging is prohibited. Flagging to support aerial application is limited to the use of the Global Positioning System (GPS) or mechanical flaggers.

### ENVIRONMENTAL HAZARDS

This product is highly 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.

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.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply to or allow drift onto 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

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

### USE RESTRICTIONS

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 by persons under their direct supervision.

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

Do not treat a site with more than 0.0036 lb of each a.i., Sumithrin and piperonyl butoxide and 0.00072 lbs prallethrin per acre in a single application or in any 24-hour period. Do not apply more than 0.0108 lb each of Sumithrin and piperonyl butoxide and 0.0022 lb prallethrin to the same treatment area in a 7 day period. Do not apply more than 0.0216 lb each of Sumithrin and piperonyl butoxide and 0.0043 lb prallethrin to the same treatment area in 1 month. Do not exceed 0.1 lb of Sumithrin or piperonyl butoxide or 0.02 lb prallethrin 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.

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

Not for use in outdoor residential misting systems.

### USE INFORMATION

2922\_1021-2562\_0814

MULTICIDE® Fogging Concentrate 2922 is approved for application as an Ultra Low Volume (ULV) nonthermal aerosol (cold fog) in mosquito adulticiding programs involving outdoor residential and recreational areas where adult mosquitoes or other listed flying pests are present in annoying numbers, and in vegetation surrounding parks, woodlands, swamps, marshes, overgrown areas and golf courses.

MULTICIDE Fogging Concentrate 2922 may be applied over crops or to areas favoring drift over crops, including row, tree, fruit, citrus, pasture and other areas where agricultural enterprises take place.

MULTICIDE® Fogging Concentrate 2922 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.

**SPRAY DROPLET SIZE DETERMINATION**

Ground-based Application: Spray equipment must be adjusted so that the volume median diameter (VMD) is less than 30 microns (Dv 0.5 < 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 Application: 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 115 microns (Dv0.9 < 115 um). The effects of flight speed and, for non-rotary atomizers, 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 and other listed insects, apply-MULTICIDE® Fogging Concentrate 2922 at a flow rate of 2.2 TO 6.6 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). For best results, apply when mosquitoes are most active and meteorological conditions are conducive to keeping the spray cloud close to the ground. Application in calm air conditions is to be avoided. Apply only when ground wind speed is greater than or equal to 1 mph. All types of applications should be conducted at temperatures above 50 °F. Under normal residential conditions a flow rate of 4.0 fluid ounces per minute is recommended. If a different vehicle speed is used, adjust rate accordingly. These rates are equivalent to 0.00024 to 0.00072 pounds of Prallethrin and 0.0012 to 0.0036 pounds of Sumithrin® and Piperonyl Butoxide per acre.

Vary flow rate according to vegetation density and mosquito population. Use higher flow rate in heavy vegetation or when populations are high. MULTICIDE® Fogging Concentrate 2922 may also be diluted with water and applied by GROUND ULV equipment so long as 1.09 fluid ounces per acre of MULTICIDE® Fogging Concentrate 2922 is not exceeded. Refer to the tables on following [page] [panel] for flow rate calculations for diluted end-use formulations of MULTICIDE® Fogging Concentrate 2922. If an alternate dilution rate is used, adjust the flow rate accordingly, provided the droplet size and spectrum remain within label specifications.

Use the following table to calculate application rates:

Pounds a.i./Acre			MFC 2922	Flow Rates in fluid oz./minute at truck speeds of:			
Sumithrin®	PBO	Prallethrin	Fl. oz./Acre	5 MPH	10 MPH	15 MPH	20 MPH
0.0036	0.0036	0.00072	1.09	3.3	6.6	9.9	13.2
0.0022	0.0022	0.00044	0.67	2.0	4.9	6.1	8.1
0.0018	0.0018	0.00036	0.55	1.7	3.3	5.0	6.6
0.0012	0.0012	0.00024	0.36	1.1	2.2	3.3	4.4

**AERIAL APPLICATION**

MULTICIDE® Fogging Concentrate 2922 may be applied at rates of 0.36 to 1.09 fluid ounces of MULTICIDE® Fogging Concentrate 2922 per acre by fixed wing or rotary aircraft equipped with suitable ULV application equipment. MULTICIDE® Fogging Concentrate 2922 may also be diluted with water and applied by aerial ULV equipment so long as 1.09 fluid ounces per acre of MULTICIDE® Fogging Concentrate 2922 is not exceeded.

Do not apply by fixed wing aircraft at a height less than 100 feet above the ground or canopy, or by helicopter at a height less than 75 feet above the ground or canopy, unless specifically approved by the state or tribe based on public health needs. When making aerial application at an altitude of less than 100 feet, apply only when wind speed at altitude is greater than or equal to 5 mph. When making application at an altitude of 100 feet or greater, apply only when wind speed at altitude is greater than or equal to 3 mph.

**DILUTION**

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.

For a 4% Sumithrin product, dilute 1 gallon MULTICIDE® Fogging Concentrate 2922 with 0.25 gallon water. Finished spray contains 0.338 lbs Sumithrin & PBO and 0.067 pounds Prallethrin per gallon.

Dosage Description	Pounds a.i. /Acre			Fluid oz. finished spray/ Acre	Flow Rates in fluid oz./minute at truck speeds of:			
	Prallethrin	Sumithrin	PBO		5 MPH	10 MPH	15 MPH	20 MPH
High Population	0.00072	0.0036	0.0036	1.36	4.1	8.3	12.4	16.5
Recommended	0.00044	0.0022	0.0022	0.83	2.5	5.1	7.6	10.1
Light Population	0.00036	0.0018	0.0018	0.68	2.1	4.1	6.2	8.3
	0.00024	0.0012	0.0012	0.45	1.4	2.8	4.1	5.5

For a 2.5% Sumithrin product, dilute 1 gallon MULTICIDE® Fogging Concentrate 2922 with 1 gallon water. Finished spray contains 0.211 lbs Sumithrin & PBO and 0.042 pounds Prallethrin per gallon

Dosage	Pounds a.i. /Acre	Fluid oz.	Flow Rates in fluid oz./minute at truck speeds of:
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Description	Prallethrin	Sumithrin	PBO	Finished spray/Acre	5 MPH	10 MPH	15 MPH	20 MPH
High Population	0.00072	0.0036	0.0036	2.18	6.6	13.2	19.9	26.5
Recommended	0.00044	0.0022	0.0022	1.33	4.0	8.1	12.1	16.2
Light Population	0.00036	0.0018	0.0018	1.09	3.3	6.6	9.9	13.2
	0.00024	0.0012	0.0012	0.73	2.2	4.4	6.6	8.8

For a 2% Sumithrin product, dilute 1 gallon MULTICIDE® Fogging Concentrate 2922 with 1.5 gallons water. Finished spray contains 0.169 lbs Sumithrin & PBO and 0.034 pounds Prallethrin per gallon

Dosage Description	Pounds a.i. /Acre			Fluid oz. Finished spray/Acre	Flow Rates in fluid oz./minute at truck speeds of:			
	Prallethrin	Sumithrin	PBO		5 MPH	10 MPH	15 MPH	20 MPH
High Population	0.00072	0.0036	0.0036	2.73	8.3	16.5	24.8	33.1
Recommended	0.00044	0.0022	0.0022	1.67	5.1	10.1	15.2	20.2
Light Population	0.00036	0.0018	0.0018	1.36	4.1	8.3	12.4	16.5
	0.00024	0.0012	0.0012	0.91	2.8	5.5	8.3	11.0

## 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 HANDLING & DISPOSAL:

[For Nonrefillable containers:]

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. 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.

[CONTAINERS 5 GALLON CAPACITY OR SMALLER:]

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 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.

[CONTAINERS LARGER THAN 5 GALLON CAPACITY:]

Empty the remaining contents into the application equipment or a mix tank. Fill the container ¼ 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.

[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 his 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.

# MULTICIDE® Fogging Concentrate 2922

## Supplemental label

Read the label affixed to the container for MULTICIDE® Fogging Concentrate 2922, EPA Reg. No. 1021-2562, before applying.

Use of MULTICIDE® Fogging Concentrate 2922 according to this supplemental labeling is subject to the use precautions and limitations imposed by the label affixed to the container for this product. This supplemental labeling must be in possession of the user at the time of application.

### DIRECTIONS FOR USE

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

AQUADUET™ Water-Based Dual-Action Adulticide may be applied over crops or to areas favoring drift over crops, including row, tree, fruit, citrus, pasture and other areas where agricultural enterprises take place.

Do not treat a site with more than 0.0036 lb of each a.i., Sumithrin and piperonyl butoxide and 0.00072 lbs prallethrin per acre in a single application or in any 24-hour period. Do not apply more than 0.0108 lb each of Sumithrin and piperonyl butoxide and 0.0022 lb prallethrin to the same treatment area in a 7 day period. Do not apply more than 0.0216 lb each of Sumithrin and piperonyl butoxide and 0.0043 lb prallethrin to the same treatment area in 1 month. Do not exceed 0.1 lb of Sumithrin or piperonyl butoxide or 0.02 lb prallethrin per acre in any site in one year.

Apply only when ground wind speed is greater than or equal to 1 MPH. Do not apply by fixed wing aircraft at a height less than 100 feet above the ground or canopy, or by helicopter at a height less than 75 feet above the ground or canopy unless specifically approved by the state or tribe based on public health needs. When making aerial application at an altitude of less than 100 feet, apply only when wind speed at altitude is greater than or equal to 5 MPH. When making application at an altitude of 100 feet or greater, apply only when wind speed at altitude is greater than or equal to 3 MPH.

This supplemental label supersedes the prohibition to apply this product over agricultural areas for the control of mosquitoes on the label attached to the container, so long as the application rates, application intervals, and use restrictions stated in this supplemental label are followed.

This supplemental label is valid until December 31, 2015.

For more information contact your [Distributor company name] representative or call [Distributor company number].

Manufactured by:



8810 Tenth Avenue North  
Minneapolis, MN 55427

EPA Reg. No. 1021-2562

EPA Est. No. 1021-MN-2

**ACCEPTED**

10/29/2014

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 1021-2562