

499-522

07/31/2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

JUL 31 2008

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms Patricia Hodge  
Whitmire Micro-Gen Research Laboratories Inc.  
3568 Tree Court Industrial Blvd.  
St. Louis, MO 63122-6662

Dear Ms. Hodge:  
Subject: TC-262  
EPA Reg. No. 499-522  
Submission dated 2/28/08

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. One copy of the finished labeling must be submitted prior to releasing the product for shipment.

Add "Combustible" to the Physical and Chemical Hazards Statements.

Add to the Physical and Chemical Hazards Statements the following:  
Do not apply this product around electrical equipment due to the possibility of shock hazard.

Move the statements about damage to finishes and plastics to the Use Restrictions.

Revise the Precautionary Statements, third sentence, to read:  
Do not get in eyes or on clothing.

Revise the footnote to the Precautionary Statements to read:  
Protective eyewear includes goggles, face shield and/or safety glasses.

Delete the following statements from the Precautionary Statements, as these statements are addressed in the Use Restrictions:  
Do not remain in enclosed areas after use.  
Remove pets, birds and cover fish aquariums and turn off air pump motor before spraying.

In health care facilities, remove patients prior to treatment. Thoroughly ventilate treated area for two hours before returning patients.

Revise the 7<sup>th</sup> statement in the Use Restrictions to read as follows:  
Remove or cover dishes, utensils, food processing equipment and food preparation surfaces or clean after treatment with a suitable detergent and rinse with potable water before resuming operations.

In accordance with the attached efficacy review, delete from space spray directions the following pests:  
Black flies, chiggers, fleas, ticks and scorpions. You may claim Eastern Wood Tick (Dermacentor andersoni).

In accordance with the attached efficacy review, delete or revise all references to general surface spray to include the following clarification:  
Kills only the pests present at the time of application.

Revise the uses on page 4 of 10 so that it agrees with page 1 of 10 and the efficacy review.

In accordance with the attached efficacy review, delete all directions for use as a diluted spray.

Since use as a diluted spray must be deleted from the label, revise the container disposal instructions accordingly.

Add to the container disposal directions the following:  
Offer for recycling, if available.

Add to the label the following:  
Batch code:

Wide area Mosquito Use. As noted in the notice of registration dated 2/22/07, Whitmire has not submitted data to support mosquito claims. Delete all mosquito claims including the wide area mosquito use claims.

The Environmental Hazards statements on page 1 and 4 must be identical.

Clarify use on animals to read "Non-domestic animals/livestock".

Revise the "Other Ingredients" to include a footnote that references the statement "Contains petroleum distillate."

In accordance with the information provided on bulk density of this product, revise the footnote to the active ingredients to add piperonyl butoxide and further revise it to read as follows:

One gallon TC 262 contains 0.211 lbs of pyrethrins and 1.053 lbs of piperonyl butoxide.

Consolidate all use restrictions and directions for use relating to use in food handling establishments in one section entitled "Use in Food Handling Establishments".

Revise the Use Restriction in food handling establishments to read as follows, in accordance with the tolerance at 40CFR 128(a)(3):  
Food must be removed or covered prior to use.

Add to the Terrestrial Uses section of the environmental hazards statements the following:

This product is highly toxic to bees.

In the Environmental Hazards Statements, if the container is 5 gallons or greater the National Pollutant Discharge Elimination System (NPDES) statement in PR Notice 93-10 is required.

The use for dried fruit products in storage or being processed must be deleted or revised in accordance with tolerances established at 40CFR128.

The use for stored food in multiwall paper bags or in cloth bags must be deleted as these tolerances have been revoked.

Please note that a notice of availability of EPA's reregistration eligibility document (RED) for products contain pyrethrins and piperonyl butoxide was published in the Federal Register on July 26, 2006. Additional data and/or labeling changes may be required for products containing pyrethrins and piperonyl butoxide. For more information, see the following website:  
<http://www.epa.gov/pesticides/reregistration/status.htm>

If you have questions, please call Ann Sibold at 703 305-6502.

Sincerely,



Richard Gebken  
Product Manager 10  
Insecticide Branch  
Registration Division (7505P)

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# TC 262

**KILLS:** Angoumois Grain Moths, Ants [except Pharoah, and Harvester], Bedbugs, Boxelder Bugs, Cadelles, Cheese Mites, Cigarette Beetles, Cockroaches, Confused Flour Beetles, Crickets, Earwigs, Fruit Flies, Fire brats, Gnats, Granary Weevils, House Flies, House Spiders, Indianmeal Moths, Millipedes, Mosquitoes, Rice Weevils, Spiders [except Black Widow and Brown Recluse Spiders], Stable Flies, Ticks, Tobacco Moths and Wasps

**FOR USE IN AND AROUND:** Apartments and Homes; Cafeterias; Dormitories; Food Service, Storage and Preparation Areas; Grocery and Convenience Stores; Health Care Facilities; Hotels; Motels; Office Buildings; Restaurants; Schools; Universities and On Animals

See complete label for additional insects and use sites.

**ACTIVE INGREDIENT:**

Pyrethrins*, a botanical insecticide .....	3.00%
Piperonyl butoxide, technical** .....	15.00%

**OTHER INGREDIENTS:** ..... 82.00%

Contains Petroleum Distillate ..... TOTAL: 100.00%

\* 1 Gallon contains 0.198 lbs of pyrethrins

\*\* Equivalent to 12% (butylcarbityl)(6-propylpiperonyl) ether and 3% related compounds.

## KEEP OUT OF REACH OF CHILDREN

## CAUTION

See back panel for First Aid, Precautionary Statements, Directions for Use and Storage & Disposal

EPA Reg. No. 499-522 • EPA Est. No. 499-MO-1

NET CONTENTS: \_\_\_\_\_



WHITMIRE MICRO-GEN  
RESEARCH LABORATORIES, INC.  
800-777-8570 www.wmmg.com

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**

**JUL 31 2008**

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

**499-522**

**FIRST AID**

**IF SWALLOWED:** Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**IF IN EYES:** Hold eyes open and rinse slowly and gently with water for 15 - 20 min. Remove contact lenses, if present, after the first 5 min, then continue rinsing eyes. 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. You may also call 1-800-225-3320 for emergency medical treatment information.

**NOTE TO PHYSICIAN:** May pose an aspiration pneumonia hazard. Contains petroleum distillate.

**PRECAUTIONARY STATEMENTS****HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear\* Prolonged or frequently repeated skin contact may cause allergic reaction 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. Do not remain in enclosed areas after use. Remove pets, birds, and cover fish aquariums and turn off air pump motor before spraying. In health care facilities, remove patients prior to treatment. Thoroughly ventilate treated area for two hours before returning patients.

\*Protective eyewear, which may include goggles, face shield and/or safety glasses maybe specific if applicable.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not contaminate bodies of water when disposing of equipment rinsate or wash waters.

**TERRESTRIAL USES:** Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift from treated areas may be hazardous to organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment wash waters.

See complete label for additional statements regarding Wide Area Mosquito Control Applications.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame. **Note:** Some furniture finishes and particularly plastics can be damaged by petroleum based insecticides. To avoid damage, cover those items and do not spray directly. If in doubt, test by applying this material to an inconspicuous area before spraying.

**DIRECTIONS FOR USE**

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.**

See full label accompanying product for complete Directions for Use. See separate directions for Wide Area Mosquito Control Applications.

**USE RESTRICTIONS**

- Apply this product only as specified on this label.
- Do not remain in treated area when applying as a space treatment. Ventilate area thoroughly before reentering.
- Do not allow children or pets to enter the treated area until it has been thoroughly ventilated.
- Do not apply directly to food.
- Remove or cover all food and water in the treatment area before use.
- Do not apply while food processing is underway when applying as a space treatment.
- Remove or cover dishes, utensils, food processing equipment and food preparation surfaces in the treatment area before use or wash them thoroughly after ventilation of treated area.
- Remove pets, birds, cover fish aquariums and turn off air pump motor before application.
- In health care facilities, remove patients prior to treatment and thoroughly ventilate treated area for 2 hr before returning patients.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides or fertilizers. Do not store above 122°F for extended periods of time. Preferred storage is above 32°F. Storage below 32°F may result in solidification. If warmed to above 32°F, product will return to original form. Freezing does not adversely affect this product. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

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**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. Empty container by using the product according to the label directions. Do not reuse or refill this container! Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

[(<2.5 gal) 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 mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure 2 more times.]

[(>2.5 gal) Empty remaining contents into 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. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure 2 more times.]

Place empty, triple rinsed container in trash or offer for recycling if available. If container is partly filled, call your local solid waste agency for disposal instructions. **NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!**

**A Prescription Treatment® brand insecticide from:**

Whitmire Micro-Gen Research Laboratories, Inc.

3568 Tree Court Industrial Blvd.

St. Louis MO 63122-6682

[www.wmmg.com](http://www.wmmg.com)

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# TC 262

For indoor or outdoor application as a space, area or contact spray. Dependent upon insects to be killed and the area to be treated, this product may be applied through mechanical aerosol or Ultra Low Volume (ULV) cold aerosol generators such as Whitmire Micro-Gen equipment, as well as thermal and conventional fogging or spraying equipment.

**KILLS:** Angoumois Grain Moths, Ants [except Carpenter, Pharoah, and Harvester], Boxelder Bugs, Cadelles, Cheese Mites, Cigarette Beetles, Cockroaches, Confused Flour Beetles, Crickets, Earwigs, Fruit Flies, Fire brats, Gnats, Granary Weevils, House Flies, House Spiders, Indianmeal Moths, Millipedes, Mosquitoes, Rice Weevils, Spiders [except Black Widow and Brown Recluse Spiders], Stable Flies, Ticks, Tobacco Moths and Wasps

**FOR USE IN AND AROUND:** Apartments and Homes; Cafeterias; Dormitories; Food Service, Storage and Preparation Areas; Grocery and Convenience Stores; Health Care Facilities; Hotels; Motels; Office Buildings; Restaurants; Schools; Universities and On Animals

**ACTIVE INGREDIENTS:**

Pyrethrins*, a botanical insecticide .....	3.00%
Piperonyl butoxide, technical** .....	15.00%

<b>OTHER INGREDIENTS:</b> .....	82.00%
Contains Petroleum Distillate .....	TOTAL: 100.00%

\* 1 gallon contains 0.198 lbs of pyrethrins

\*\* Consists of 12% (butylcarbityl) (6-propylpiperonyl) ether and 3% related compounds.

## KEEP OUT OF REACH OF CHILDREN CAUTION

(See inside for First Aid and Precautionary Statements)

EPA Reg. No. 499-522 • EPA Est. No. 499-MO-1

### FIRST AID

**IF SWALLOWED:** Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**IF IN EYES:** Hold eyes open and rinse slowly and gently with water for 15 - 20 min. Remove contact lenses, if present, after the first 5 min, then continue rinsing eyes. 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. You may also call 1-800-225-3320 for emergency medical treatment information.

**NOTE TO PHYSICIAN:** May pose an aspiration pneumonia hazard. Contains petroleum distillate.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. [Wear protective eyewear]\* Prolonged or frequently repeated skin contact may cause allergic reaction 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. Do not remain in enclosed areas after use. Remove pets, birds, and cover fish aquariums and turn off air pump motor before spraying. In health care facilities, remove patients prior to treatment. Thoroughly ventilate treated area for two hours before returning patients.

\*[Protective eyewear, which may include goggles, face shield and/or safety glasses maybe specific if applicable]

### ENVIRONMENTAL HAZARDS

This product is highly toxic to fish. Do not contaminate bodies of water when disposing of equipment rinsate or washwaters.

**TERRESTRIAL USES:** Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift from treated areas may be hazardous to organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwaters.

#### WIDE-AREA MOSQUITO CONTROL APPLICATIONS BY GROUND OR AERIAL EQUIPMENT

Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish. 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 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 the 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.

### PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame. **Note:** Some furniture finishes and particularly plastics can be damaged by petroleum based insecticides. To avoid damage, cover those items and do not spray directly. If in doubt, test by applying this material to an inconspicuous area before spraying.

### DIRECTIONS FOR USE

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.**

See separate directions for Wide Area Mosquito Control Applications.

### USE RESTRICTIONS

- Apply this product only as specified on this label.
- Do not remain in treated area when applying as a space treatment. Ventilate area thoroughly before reentering.
- Do not allow children or pets to enter the treated area until it has been thoroughly ventilated.
- Do not apply directly to food.
- Remove or cover all food and water in the treatment area before use.
- Do not apply while food processing is underway when applying as a space treatment.
- Remove or cover dishes, utensils, food processing equipment and food preparation surfaces in the treatment area before use or wash them thoroughly after ventilation of treated area.
- Remove pets, birds, cover fish aquariums and turn off air pump motor before application.
- In health care facilities, remove patients prior to treatment and thoroughly ventilate treated area for 2 hr before returning patients.

#### INDOOR USE, UNDILUTED

**AS A SPACE SPRAY - To kill accessible stages of insects\* infesting dried fruit products in storage or being processed:** Close room or warehouse and shut off all ventilating systems. Apply as space spray using a Whitmire Micro-Gen ULV unit, or similar equipment to dispense this product as a fine mist in the air above the trays and shelves. Do not apply to fruit directly. Use a dosage not to exceed 64 fl oz/50,000 ft<sup>3</sup> of treatable room space. Do not remain in treated areas after application, and leave room closed for at least 1hr. Ventilate thoroughly before occupants are allowed to reenter. Repeat application every 30 days.

\* Among these are the Confused Flour Beetle, Dried Fruit Beetle, Indianmeal Moth, Roaches and Sawtoothed Grain Beetle

**AS A SPACE SPRAY - To kill accessible adult forms of insect pests\*\* of stored food (stored in multi-wall paper bags or in cloth bags) in warehouses and storage rooms:** Close room or warehouse and shut off all ventilating systems. Apply as space spray using a Whitmire Micro-Gen ULV unit, or similar equipment to dispense this product. Use a dosage of 1 fl oz/1,000 ft<sup>3</sup> of treatable room space. Do not remain in treated areas after application and leave room closed for at least 1 hr. Ventilate thoroughly before occupants are allowed to reenter. Reapply 1/day if retreatment is necessary.

\*\* Among these are the Angoumois Grain Moth, Cadelles, Confused Flour Beetle, Indianmeal Moth, Mediterranean Flour Moth, Rice Weevil, Sawtoothed Grain Beetle and Yellow Meal Worm

**CONTACT SPRAY:** Use full strength or dilute and apply through equipment which can deliver a pin-stream spray. Apply the spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects harbor. Contact as many insects as possible with the spray. Do not allow spray to contact stored food.

**SPACE SPRAY:** With a mechanical aerosol generator (no droplets over 70 microns in diameter and 80% less than 30 microns), apply this product undiluted at a dosage rate of approximately 1 fl oz/1,000 ft<sup>3</sup> of treatable room space or, when applying diluted product, apply at the desired rate of fl oz/1,000 ft<sup>3</sup> of treatable room space. Do not remain in treated areas after application and leave the room closed for 1 hr. Ventilate the area thoroughly before occupants are allowed to reenter. Reapply 1/day if retreatment is necessary.

**LINEAR APPLICATION ALONG BASEBOARDS, TRIM MOLDING AND VOIDS:** With equipment designed for deep void Ultra Low Volume (ULV) applications, follow the manufacturer's recommendations for proper equipment setup and operation pressures. Place the tip of the applicator at or into the crack or crevice to be treated. Apply product in short bursts while keeping tip in position. Move the tip at a steady rate of approximately 1 ft/sec. Allow the air stream to push insecticide deep into voids. Repeat application as necessary to flush insects from voids. Avoid applying to the point of runoff or drip. Ventilate thoroughly before occupants are allowed to reenter. Reapply 1/day if retreatment is necessary.

#### INDOOR USE, DILUTED IN OIL



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**DILUTION:** Use a Food Grade Oil conforming to regulation 21 CFR 178.3620(b), or an odorless light petroleum hydrocarbon conforming to 21 CFR 172.882 or 40 CFR 180.910 (Inert ingredients used pre and post-harvest; exemptions from the requirement of a tolerance), and 180.930 (Inert ingredients applied to animals; exemptions from the requirement of a tolerance). Combine oil and TC 262 as directed below and mix well just prior to application.

Pyrethrin % Desired	Mixture Rate	Application Rate/1,000 ft <sup>3</sup>
1.00	1 Part Concentrate to 2 Parts Oil	1 fl oz
0.50	1 Part Concentrate to 5 Parts Oil	1 fl oz
0.30	1 Part Concentrate to 9 Parts Oil	1 - 2 fl oz
0.15	1 Part Concentrate to 19 Parts Oil	1 - 2 fl oz

**SPACE SPRAY** – To kill flying and crawling insects in establishments and structures, including those operating under the Federal meat, poultry, shell egg grading and egg products inspection programs: Dilute concentrate as listed in the above paragraph, and mix well. Do not apply while food processing is underway. Cover or remove any exposed food. Cover food processing surfaces and equipment or wash with an effective cleaning compound followed by a potable water rinse. Close doors and windows and shut off all ventilating equipment prior to application. Using Whitmire Micro-Gen ULD or similar equipment adjusted to deliver aerosol droplets, apply at the desired rate/1,000 ft<sup>3</sup> of space. Leave room closed for 1 hr after application and ventilate thoroughly before occupants are allowed to reenter. Reapply 1/day if retreatment is necessary.

**CONTACT SPRAY:** Dilute concentrate to desired level.

**INDOOR USE, DILUTED IN WATER**

**DILUTION RATES:**

Pyrethrin % Desired	Mixture Rate	Application Rate/1,000 ft <sup>3</sup>
1.00	1 Part Concentrate to 1.75 Parts Water	1 fl oz
0.50	1 Part Concentrate to 4.25 Parts Water	1 fl oz
0.30	1 Part Concentrate to 7.66 Parts Water	1 - 2 fl oz
0.15	1 Part Concentrate to 16.15 Parts Water	1 - 2 fl oz

**SPACE SPRAY** – To kill flying and crawling insects in establishments and structures, including those operating under the Federal meat, poultry, shell egg grading and egg products inspection programs: Dilute concentrate as listed in the above paragraph, and mix well. Do not apply while food processing is underway. Cover or remove any exposed food. Cover food processing surfaces and equipment or wash with an effective cleaning compound followed by a potable water rinse. Close doors and windows and shut off all ventilating equipment prior to application. Using Whitmire Micro-Gen ULD or similar equipment adjusted to deliver aerosol droplets, apply at the desired rate/1,000 ft<sup>3</sup> of space. Leave room closed for 1 hr after application and ventilate thoroughly before occupants are allowed to reenter. Reapply 1/day if retreatment is necessary.

**CONTACT SPRAY:** Dilute concentrate to desired level.

**OUTDOOR USE**

**OUTDOOR GROUND FOGGING APPLICATION:** Use diluted to kill flies, mosquitoes and gnats from 0.15 – 1.0 and mix well. Use at a time when the temperature is cool (75°F or less) and the wind velocity is approximately 10 mph.

**HANDHELD EQUIPMENT:** When using ULD equipment such as Whitmire Micro-Gen equipment, apply at the rate of 4 fl oz/acre. Figure application travel path for a coverage of a 50 ft swath. Allow spray drift to penetrate dense foliage. Repeat application as required for control.

For wide area community applications, see the Wide Area Mosquito Control section for appropriate Directions for Use.

**FOR USE ON ANIMALS**

Use 0.5% to protect beef cattle, dairy cattle and horses from horn flies, house flies, mosquitoes and gnats, apply a light mist sufficient to wet the tips of the hair. To kill stable flies, horse flies and deer flies on beef cattle, dairy cattle and horses, apply 2 fl oz/adult animal, sufficient to wet the hair but not to soak the hide. To kill the motile stages of blood sucking lice on beef and dairy cattle, apply the spray to thoroughly wet the hair. Use 2 fl oz or less/animal and repeat every 2 - 3 weeks as required.

**Space treatment over animals in barns and corrals:** Select proper dilution and treat with ULD equipment over animals.

**Do not use on dogs or cats.**

**ON ANIMAL USE RESTRICTIONS**

- Do not apply more than 1/day.
- Do not reapply within 1 day
- Do not remain in treated area.
- Do not allow unprotected persons to enter until treated area has been ventilated.

## STORAGE AND DISPOSAL

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

**STORAGE:** Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides or fertilizers. Do not store above 122°F for extended periods of time. Preferred storage is above 32°F. Storage below 32°F may result in solidification. If warmed to above 32°F, product will return to original form. Freezing does not adversely affect this product. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

**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. Empty container by using the product according to the label directions. Do not reuse or refill this container! Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

[(<2.5 gal) 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 mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure 2 more times.]

[(>2.5 gal) Empty remaining contents into 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. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure 2 more times.]

Place empty, triple rinsed container in trash or offer for recycling if available. If container is partly filled, call your local solid waste agency for disposal instructions. **NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!**

ULD® and Crack & Crevice® are registered trademarks of Whitmire Micro-Gen Research Laboratories, Inc.

In addition to sites listed on the front panel TC 262 is acceptable for use in and around the following sites:

### INDOOR:

Animal Areas and Quarters  
Apartments  
Auditoriums  
Bakeries  
Beverage Plants  
Boats  
Bottling Plants  
Brandy Storage Warehouses  
Buildings  
Buses  
Cabins  
Cafeterias  
Canneries  
Cattle Barns  
Churches  
Closets  
Condominiums  
Communication Centers  
Convenience Stores  
Correctional Facilities  
Dairy and Livestock Barns  
Dormitories  
Dried Fruit Processing Plants  
Drains and Sewers  
Dried Fruit Warehouses  
Drugstores  
Dumpsters  
Dwellings  
Egg Processing Plants  
Factories  
Flour Mills

Food Handling Establishments  
Food Preparation Areas  
Food Processing Plants  
Food Service Areas  
Food Storage Areas  
Freight Containers  
Fruit Packing Sheds  
Garbage Cans  
Garbage Compactors  
Goat Houses  
Grain Elevators  
Grain Mills  
Grain Handling Equipment  
Granaries  
Grocery Stores  
Health Care Facilities  
Homes  
Hotels  
Horse Stables/Barns  
Hospices  
Industrial Installations  
Institutions  
Jails  
Laboratories  
Libraries  
Livestock Barns  
Loafing Sheds  
Locker Rooms  
Mills  
Mausoleums  
Meat Packing Plants  
Milk Rooms

Missions  
Mobile Homes  
Motels  
Museums  
Mushroom Processing Plants  
Nursing Homes  
Office Buildings / Offices  
Passenger Rail Cars  
Peanut Processing Plants  
Peanut Storage Warehouses  
Poultry Houses  
Poultry Processing Plants  
Prisons  
Public Buildings  
Rabbit Processing Plants  
Rabbit Houses  
Railroad Cars  
Recreational Vehicles  
Research Animal Areas  
Restaurants  
Restrooms  
Rice Mills  
Schools  
Shade Houses  
Ships  
Ship holds  
Stables  
Stable Bins  
Stored Food in Multi-walled  
Paper or Cloth Bags  
Stored Seed Warehouses  
Stores

Supermarkets  
 Swine Houses  
 Textile Mills and Warehouses  
 Theaters  
 Tobacco Plants  
 Tobacco Warehouses  
 Townhouses  
 Trains  
 Transportation Equipment  
 Trucks  
 Truck Trailers  
 Universities  
 Utilities  
 Utility Rooms

Voids (Attics, Walls, Ceilings)  
 Warehouses  
 Wineries  
 Wine Storage Warehouses  
 Zoos  
**OUTDOOR:**  
 Campgrounds  
 Corrals  
 Drive-in Restaurants  
 Drive-in Theaters  
 Dumpsters  
 Feedlots  
 Garbage Dumps

Golf Courses  
 Junkyards  
 Kennels  
 Landscapes  
 Lath Houses  
 Manure Piles  
 Parks  
 Plantscapes  
 Playgrounds  
 Recreational Areas  
 Sewers  
 Swineyards  
 Zoos

TC 262 is also effective against the following insects when used according to label directions:

**FLYING INSECTS:**

Aphids  
 Barn Flies  
 Bees  
 Black Flies  
 Blow Flies  
 Bottle Flies  
 Boxelder Bugs  
 Cheese Skippers  
 Deer Flies  
 Face Flies  
 Flies  
 Fruit Flies  
 Fungus Gnats  
 Gnats  
 Horn Flies  
 Hornets  
 Horse Flies  
 House Flies  
 Mosquitoes  
 Mushroom Flies  
 Skipper Flies  
 Stable Flies  
 Thrips  
 Vinegar Flies  
 Wasps  
 Whiteflies  
 Yellowjackets

**GRAIN BORERS:**

Larger Grain Borers  
 Lesser Grain Borers

**CRAWLING INSECTS:**

Ants(except Pharaoh, and Harvester)  
 Bed Bugs  
 Booklice  
 Cabbage Loopers  
 Cabbage Worms  
 Centipedes  
 Chiggers  
 Chrysanthemum Leaf Miners  
 Cockroaches  
 Crickets  
 Earwigs

Fire Ants  
 Firebrats  
 Grasshoppers  
 Mealybugs  
 Millipedes  
 Palmetto Bugs  
 Pill Bugs  
 Scorpions  
 Sowbugs  
 Vegetable Leaf Miners

**FLEAS AND TICKS:**

Brown Dog Ticks  
 Fleas  
 Sheep Ticks  
 Spinos Ear Ticks  
 Ticks

**SPIDERS AND MITES:**

Clover Mites  
 Cheese Mites  
 Grain Mites  
 Red Spider Mites  
 Spider Mites  
 Spiders

**LICE:**

Mounting Stages of Yellow  
 Lice & Sucking Blue Lice

**WORMS:**

Dark Mealworms  
 Lesser Mealworms  
 Yellow Mealworms

**BETTERLES:**

American Black Flour Beetles  
 Black Carpet Beetles  
 Black Fungus Beetles  
 Broadhorned Flour Beetles  
 Brown Spider Beetles  
 Cadelles  
 Carpet Beetles  
 Catorama Beetles  
 Cereal Beetles  
 Cigarette Beetles  
 Confused Flour Beetles

Corn Sap Beetles  
 Darkling Beetles  
 Depressed Flour Beetles  
 Dermestid Beetles  
 Dried Fruit Beetles

Drugstore Beetles  
 Flat Grain Beetles  
 Foreign Grain Beetles  
 Fungus Beetles  
 Ground Beetles  
 Hairy Fungus Beetles  
 Hairy Spider Beetles  
 Hide Beetles  
 Khapra Beetles  
 Large Black Flour Beetles  
 Longheaded Flour Beetles  
 Merchants Grain Beetles  
 Mexican Grain Beetles  
 Murrinidius Beetles  
 Red Flour Beetles  
 Red Horned Grain Beetles  
 Rusty Grain Beetles  
 Saw-toothed Grain Beetle  
 Slenderhorned Flour Beetles  
 Smalleyed Flour Beetles  
 Spider Beetles  
 Squarenecked Grain Beetles  
 Trogoderma Beetles  
 Two Banded Beetles  
 White Marked Spider Beetles

**WEEVILS:**

Bean Weevils  
 Broadnosed Grain Weevils  
 Coffee Bean Weevils  
 Granary Weevils  
 Maize Weevils  
 Rice Weevils

**MOTHS:**

Almond Moths  
 Angoumois Grain Moths  
 Chocolate Moths

Clothes Moths  
Cocoa Bean Moths  
European Grain Moths

Indianmeal Moths  
Mediterranean Flour Moths  
Rice Moths

Pink Scavenger Caterpillars  
Tobacco Moths

## WIDE AREA MOSQUITO CONTROL

For wide area community applications by ground or aerial equipment, Ultra Low Volume (ULV) sprays or fogs.

**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 by persons under their direct supervision.**

### DIRECTIONS FOR USE

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT  
IN A MANNER INCONSISTENT WITH ITS LABELING**

#### OUTDOOR USE – MOSQUITO CONTROL

Use at the 0.1% – 0.5% rate

**OUTDOOR GROUND FOGGING APPLICATION:** Use to kill mosquitoes in open areas near buildings and in campgrounds. Use preferably at a time when temperature is cool (75°F or less) and the wind velocity is approximately 10 mph or less.

**DILUTION IN OIL:** Use a Food Grade oil conforming to regulation 21 CFR 178.3620(b), or an odorless light petroleum hydrocarbon conforming to 21 CFR 172.882 or 40 CFR 180.910 (Inert ingredients used pre and post-harvest; exemptions from the requirement of a tolerance), and 180.930 (Inert ingredients applied to animals; exemptions from the requirement of a tolerance). Combine oil and TC 262 as directed below and mix well just prior to application.

Pyrethrin % Desired	Mixture Rate	Fluid Ounces of Diluted Product Delivers 0.0025 lbs Pyrethrin/Acre
0.50%	1 Part Conc. to 5 Parts Oil	9.7 fl oz
0.30%	1 Part Conc. to 9 Parts Oil	16.1 fl oz
0.25%	1 Part Conc. to 11 Parts Oil	19.4 fl oz
0.15%	1 Part Conc. to 19 Parts Oil	32.2 fl oz
0.10%	1 Part Conc. to 29 Parts Oil	48.5 fl oz

**DILUTION IN WATER:** Combine water and TC 262 as directed below and mix well just prior to application.

Pyrethrin % Desired	Mixture Rate	Fluid Ounces of Diluted Product Delivers 0.0025 lbs Pyrethrin/Acre
0.50%	1 Part Conc. to 4.25 Parts Water	9.7 fl oz
0.30%	1 Part Conc. to 7.66 Parts Water	16.1 fl oz
0.25%	1 Part Conc. to 9.35 Parts Water	19.4 fl oz
0.15%	1 Part Conc. to 16.15 Parts Water	32.2 fl oz
0.10%	1 Part Conc. to 24.65 Parts Water	48.5 fl oz

TC 262 may be used for mosquito control programs involving residential, industrial, recreational and agricultural areas as well as swamps, marshes, overgrown waste areas, roadsides and pastures where adult mosquitoes occur. TC 262 may be used over agricultural crops. For best results, apply when temperature is at least 50°F, when meteorological conditions create a temperature inversion and wind speed is greater than 1 mph. The application should be made so the wind will carry the insecticidal fog into the area being treated. Do not apply more than once/day at a rate of 0.0025 lb/acre/day for a maximum of 260 applications/year. No more than 10 applications should be made to a site in any 2 weeks. 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.

**GROUND-BASED:** To control adult mosquitoes and biting flies, apply up to 0.0025 lbs of pyrethrins/acre. Spray equipment must be adjusted so that the volume median diameter is less than 20 microns (Dv 0.5 < 20 µm) and that 90% of the spray is contained in droplets smaller than 50 microns (Dv 0.9 < 50 µm). 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.

**TRUCK-MOUNTED ULV APPLICATION:** Apply at the rate of up to 0.0025 lbs pyrethrins/acre while the machine is traveling 5 – 10 mph. Position the nozzle approximately 30° above the horizontal off the side of the truck bed. The delivery rate and truck speed may be varied

as long as the application rate is 0.0025 lbs of pyrethrins/acre (use a 300 ft swath width for acreage calculations). When using Whitmire Micro-Gen or similar truck mounted ULD equipment, spray at a dosage rate of 15 fl oz/min from a location up-wind of the areas where insects are to be treated. Keep speed of vehicle to approximately 10 mph. Figure application travel path for a coverage of a 300 ft swath. Apply no more than 0.0025 lbs/acre 3 times/week.

FLOW RATE For Maximum Delivery 300 ft swath			
	Pyrethrin % desired oz/min		Pyrethrin % desired oz/min
	<u>0.1%</u>		<u>1%</u>
5 mph	138		13.8
10 mph	69		6.9
20 mph	34.5		3.45

**HANDHELD AND BACKPACK EQUIPMENT:** Use at 0.1 – 0.5%. Apply up to 0.0025 lbs pyrethrins/acre. Figure application travel path for a coverage of a 50 ft swath. Allow spray drift to penetrate dense foliage. Apply at no more than 0.0025 lbs pyrethrins/acre 3 times/week. When used in cold aerosol generators, mechanical or electronic foggers, or misting equipment that produce a fog with the majority of droplets in the 5 – 50 micron range, dilute TC 262 with light mineral oil (specific gravity of approximately 0.8 at 60°F, boiling point: 500 – 840°F).

**AERIAL APPLICATION (FIXED WING AND HELICOPTER):** To control adult mosquitoes and biting flies, apply up to 0.0025 lbs pyrethrins/acre with equipment designed and operated to produce a ULV spray application. Spray equipment must be adjusted so that the volume median diameter is less than 40 microns ( $D_v 0.5 < 40 \mu\text{m}$ ) and that 90% of the spray is contained in droplets smaller than 115 microns ( $D_v 0.9 < 115 \mu\text{m}$ ). 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 be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

**A Prescription Treatment® brand insecticide from:**

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