



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

September 2, 2015

Shannon Cooley  
Regulatory Specialist  
Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77507

Subject: Label Amendment – Adding public health pests to the label.  
Product Name: CSI PY-PBO 0.5-5 Fogging Concentrate  
EPA Registration Number: 53883-322  
Application Date: June 5, 2015  
Decision Number: 505731

Dear Ms. Cooley:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. 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 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.

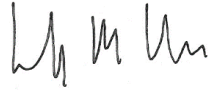
Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded 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.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Jennifer Gaines at 703-305-5967 or via email at [gaines.jennifer@epa.gov](mailto:gaines.jennifer@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Urbanski', written in a cursive style.

Jennifer Urbanski, PhD, Product Manager 4  
Invertebrate and Vertebrate Branch 1 (IVB1)  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

# CSI PY-PBO 0.5-5 Fogging Concentrate

*{Select marketing claims from "Marketing Claims" section below}*

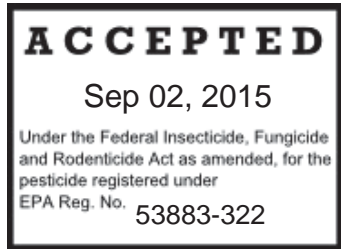
**Active Ingredients:**

Pyrethrins (CAS No. 8003-34-7) .....	0.5%
Piperonyl butoxide* (CAS No. 51-03-6).....	5.0%
<b>Other Ingredients**</b> .....	<u>94.5%</u>
Total .....	100.0%

\*(butyl carbityl) (6-propylpiperonyl) ether and related compounds

\*\*Contains petroleum distillate

Contains 0.033 pound Pyrethrins per gallon



**Keep Out of Reach of Children  
 CAUTION**

**See back [side] panel for First Aid and additional Precautionary Statements**

EPA Reg. No. 53883-322    EPA Est. \_\_\_\_\_

Net Contents: \_\_\_\_Gallon(s)

**First Aid**

<b>If on Skin or Clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Immediately rinse skin with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<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 eyes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or a doctor.</li> <li>• Do not give <b>any</b> liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>Note to Physician:</b> Contains petroleum distillate; vomiting may cause aspiration pneumonia.	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information on this product (including health concerns, medical emergencies or pesticide incidents), you may call the National Pesticide Information Center at 1-800-858-7378. You may also contact SafetyCall® International at (866) 897-8050 for emergency medical treatment information.	

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans & Domestic Animals**

**CAUTION: Contains petroleum distillates.** Avoid contact with skin, eyes, or clothing. Causes moderate eye irritation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, socks, shoes, and gloves.

### **Personal Protective Equipment (PPE)**

**Mixers, loaders, applicators and other handlers must wear:** Long-sleeved shirt, long pants, shoes and socks.

In addition to the above PPE, applicators using a high pressure handwand in an enclosed area must wear at least a NIOSH-approved respirator with a dust/mist filter with a MSHA/NIOSH-approval number prefix TC-21C or any N, R, P or HE filter.

In addition to the above PPE, applicators using hand held foggers in an enclosed area must wear a half-face, full-face or hood-style NIOSH-approved respirator with:

- a dust/mist filtering cartridge (MSHA/NIOSH-approval number prefix TC-21C) or
- a canister approved for pesticides (MSHA/NIOSH-approval number prefix TC-14G) or
- a cartridge or canister with any N, R, P or HE filter.

### **Engineering Controls**

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protections 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.

#### **User Safety Requirements**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate; do not reuse them.

#### **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 gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.

*{Products labeled exclusively for indoor use may omit the following Environmental Hazards statements:}*

### **Environmental Hazards**

**Terrestrial Applications:** This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

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 foraging the treatment area.

Except as specified in the directions for use, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

**For Wide-Area Mosquito Adulticide Applications:** This pesticide is toxic to aquatic organisms, including fish and invertebrates. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates.

When applying as a wide area mosquito adulticide, 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.

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

When applying as a wide area mosquito adulticide, 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.

### **Physical or Chemical Hazards**

Do not use or store near heat or open flame.

### **DIRECTIONS FOR USE**

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

### **USE RESTRICTIONS**

#### **When Used Outdoors:**

- Apply this product only as specified on the label.
- This product is not for direct application to companion animals (dogs, cats, puppies, or kittens).
- Except when applying as a ground-based wide-area mosquito adulticide, do not enter or allow others to enter until sprays have dried.
- Except when applying as a ground-based wide-area mosquito adulticide, do not apply this product in a way that will contact workers or other persons, either directly or through drift.

- Except when applying as a ground-based wide-area mosquito adulticide, only protected handlers may be in the area during application.
- Do not make applications during rain.
- Do not water the treated area to the point of run-off.
- Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.
- When used outdoors around residential areas: All outdoor applications, if permitted elsewhere on this label, must be limited to only spot or crack-and-crevice treatment only, except for the following permitted uses, if allowed elsewhere on this label:
  1. Applications to soil or vegetation, as listed on this label, around structures;
  2. Applications to lawns, turf, and other vegetation, as listed on this label;
  3. Applications to the side of a building, up to a maximum height of 3 feet above grade;
  4. Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure;
  5. Applications around potential pest entry points into buildings, when limited to a surface band not to exceed one inch in width; and
  6. Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in run-off into storm drains, drainage ditches, gutters, or surface waters, in order to control occasional invaders or aggregating pests.

#### **When Used Indoors:**

- Apply this product only as specified on the label.
- Do not contaminate food or feedstuffs.
- Do not use in aircraft cabins.
- This product is not for use in outdoor residential misting systems (indoor or outdoor).
- Remove pets, birds and cover fish aquariums before application.
- Remove or cover exposed food and drinking water before application.
- Remove or cover dishes, utensils, food processing equipment and food preparation surfaces, or wash them before use.
- Do not enter or allow others to enter until vapors, mists and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- Do not remain in treated area. Immediately exit area and remain outside the treated area until aerosols, vapors and/or mists have dispersed.
- When used in dairy barns or facilities: Close bulk milk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
- When used indoors in food handling/processing facilities: Do not make space spray applications when facility is in operation. Prior to space spray applications cover or remove exposed food; cover food processing surfaces or clean after treatment and before use.
- Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.
- In hospitals, patients must be removed prior to treatment. The room must be ventilated for 2 hours after spraying. Do not return patients to room until after ventilation.

**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, before fogging, test article by applying this material to an inconspicuous area then observe for undesirable effects.

[In addition to the sites listed on the front panel,] use CSI PY-PBO 0.5-5 Fogging Concentrate [this product] in the following sites:

**Indoors:**

Animal areas/quarters	Grain mills	Railroad cars
Auditoriums	Grain handling equipment	Recreational vehicles
Bakeries	Granaries	Research animal areas
Beverage plants	Homes	Restaurants
Boats	Horse stables/barns	Restrooms
Bottling plants	Hospices	Rice mills
Brandy storage warehouses	Industrial installations	Sewers
Buildings	Institutions	Shade houses
Buses	Jails	Ships
Cabins	Laboratories	Ships holds
Canneries	Libraries	Stables
Cattle barns	Livestock barns	Stable bins
Churches	Loafing sheds	Stored food in multi-walled, paper or cloth bags
Closets	Locker rooms	Stored seed warehouses
Condominiums	Mausoleums	Stores
Communication centers	Meat packing plants	Supermarkets
Correctional facilities	Milk rooms	Swine houses
Dairy/livestock barns	Mills	Textile mills/warehouses
Dried fruit processing plants	Missions	Theaters
Drains	Mobile homes	Tobacco plants
Dried fruit warehouses	Museums	Tobacco warehouses
Drugstores	Mushroom processing plants	Townhouses
Dumpsters	Nursing homes	Trains
Dwellings	Offices	Transportation equipment
Egg processing plants	Office buildings	Trucks
Factories	Passenger rail cars	Truck trailers
Flour mills	Peanut processing plants	Utilities
Food handling establishments	Peanut storage warehouses	Utility rooms
Food processing plants	Planes	Voids (attics, walls, ceilings)
Freight containers	Poultry houses	Warehouses
Fruit packing sheds	Poultry processing plants	Wineries
Garbage cans	Prisons	Wine storage warehouses
Garbage compactors	Public buildings	Zoos
Goat houses	Rabbit processing plants	
Grain elevators	Rabbit houses	

**CSI PY-PBO 0.5-5 Fogging Concentrate [This product] is effective against [kills] the following insects when used according to label directions:**

Almond moths	Dried fruit beetles	Murmidius beetles
American black flour beetles	Drugstore beetles	Mushroom flies
Angoumois grain moths	Earwigs	Palmetto bugs
Ants	European grain moths	Pill bugs
Aphids	Face flies	Pink scavenger caterpillars
Barn flies	Fire ants	Red flour beetles
Bean weevils	Firebrats	Red horned grain beetles
Bedbugs	Flat grain beetles	Red spider mits
Bees	Fleas	Rice moths
Black carpet beetles	Flies	Rice weevils
Black flies	Foreign grain beetles	Roaches
Black fungus beetles	Fruit flies	Rusty grain beetles
Blow flies	Fungus beetles	Saw-toothed grain beetles
Bottle flies	Fungus gnats	Scorpions
Broadhorned flour beetles	Gnats	Sheep ticks
Broadnosed grain weevils	Grain mites	Silverfish
Brown dog ticks	Granary weevils	Skipper flies
Brown spider beetles	Grasshoppers	Slenderhorned flour beetles
Cabbage loopers	Ground beetles	Smalleyed flour beetles
Cabbage worms	Hairy fungus beetles	Sowbugs
Carpet beetles	Hairy spider beetles	Spider beetles
Catorama beetles	Hide beetles	Spider beetles
Centipedes	Horn flies	Spider mites
Cereal beetles	Hornets	Spiders
Cheese mites	Horse flies	Spinose ear ticks
Cheese skippers	House flies	Squarenecked grain beetles
Chiggers	Indian meal moths	Stable flies
Chocolate moths	Khapra beetles	Thrips
Chrysanthemum leaf miners	Large black flour beetles	Ticks
Cigarette beetles	Larger grain borers	Tobacco moths
Clothes moths	Lesser grain borers	Trogoderma beetles
Clover mites	Lesser mealworms	Two-banded beetles
Cockroaches	Longheaded flour beetles	Vegetable leaf miners
Cocoa bean moths	Maize weevils	Vinegar flies
Coffee bean weevils	Meal moths	Wasps
Confused flour beetles	Mealy bugs	Waterbugs
Corn sap beetles	Mediterranean moths	White marked spider beetles
Crickets	Merchants grain beetles	Yellow jackets
Dark mealworms	Mexican grain beetles	Yellow mealworms
Deer flies	Millipedes Mites	
Depressed flour beetles	Mosquitoes	
Dermestid beetles		



## INDOOR USE

**Space Spray – Indoor:** To kill accessible, exposed stages of Cheese skippers, Flies (including Fruit flies), Gnats, Hornets, Mosquitoes, Small flying moths, Wasps and these common stored product pests: Angoumois grain moths, Cigarette beetles, Confused flour beetles, Drugstore beetles, Grain mites, Granary weevils, Indian meal moths, Mediterranean flour moths, Meal worms, Rice weevils, Saw-toothed grain beetles, Spider beetles and Tobacco moths. Close windows and doors and shut off ventilating systems. Use a fogger or vaporizer adjusted to deliver an aerosol spray (no droplets over 50 microns in diameter and 80% less than 30 microns). Apply at the rate of 1 ounce per 1,000 cubic feet of space. Direct the spray toward the ceiling and upper corners of the area behind obstructions. To kill hornets and wasps, apply directly to nests in the evening when the insects have returned to nests. Keep the area closed for at least 15 minutes. Vacate treated area and thoroughly ventilate before re-occupying.

**Space and Contact Spray:** Use full strength or dilute as desired according to dilution table (see below) and apply through equipment that delivers a pin stream spray. To kill accessible, exposed stages of Ants, Cheese mites, Clover mites, Crickets, Earwigs, Roaches, Scorpions, Silverfish first direct pin stream spray in all cracks and crevices in woodwork, walls and floors; underneath sinks; behind pipes and in all places where these insects are known to seek shelter. Contact as many insects as possible. Directly spray all ant hills and trails. Then, shut all doors, windows and ventilating systems and proceed with space spraying directions as given above. Use a dosage rate of 1 ounce per 1,000 cubic feet of space; or if diluted 1-2 ounces per 1,000 cubic feet of space. Keep the area closed for at least 15 minutes. Vacate treated area and thoroughly ventilate before re-occupying.

**Dilution:** Use a white mineral oil conforming to 21 CFR § 121.2589(b) or an odorless light petroleum hydrocarbon conforming to 21 CFR § 121.1182, 40 CFR § 180.910 (Inert ingredients used pre- and post-harvest; exemptions from the requirement of a tolerance), and/or 40 CFR § 180.930 (Inert ingredients applied to animals; exemptions from the requirement of a tolerance). Combine oil and CSI PY-PBO 0.5-5 Fogging Concentrate [this product] as directed below. Mix well just prior to application.

Dilution Table

Desired Pyrethrin Percentage	Mixture Rate	Application Rate per 1,000 Cubic Feet
0.3	3 parts concentrate to 2 parts oil	1-2 ounces
0.15	3 parts concentrate to 7 parts oil	1-2 ounces

**Spot Application:** With equipment designed for deep void Ultra Low Volume (ULV) applications, follow the manufacturer's recommendations for proper equipment setup and operating pressures. Place the tip of the applicator at or into the crack and crevice to be treated. Apply product in short bursts while keeping tip in position. Allow the air stream to push insecticide deep into voids. Do not apply to the point of runoff or drip. Reapply once per day if retreatment is necessary. Vacate treated area and thoroughly ventilate before re-occupying.

**Linear Application Along Baseboards, Trim Moldings, Other Cracks, Crevices, Deep Voids, Etc.:** With equipment designed for deep void ULV application, move applicator tip along the crevice to be treated applying a constant burst of insecticide. Move the tip at a steady rate of approximately 1 foot per second. Do not apply to the point of runoff or drip. Reapply once per day if retreatment is necessary. Vacate treated area and thoroughly ventilate before re-occupying.

## FOR USE ON ANIMALS

**Do Not Use on Cats or Dogs.** To protect horses and beef/dairy cattle from Gnats, Horn flies, Houseflies and Mosquitoes, apply a light mist sufficient to wet the tips of the hair. To control Deer flies, Horse flies and Stable flies on horses and beef/dairy cattle, apply 2 ounces per adult animal, sufficient to wet the hair but not to soak the hide.

## IN MUSHROOM PROCESSING FACILITIES

In canning and packing plants, apply at a rate of 1 ounce to 2,000 cubic feet of space.

## OUTDOOR USE

**Outdoor Ground Fogging Application:** Use to kill Flies, Gnats and 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 5 mph or less.

**Hand-Held Equipment:** When using ULV equipment, apply at the rate of 4 ounces per acre. Allow spray drift to penetrate foliage. Repeat application as required for control.

## WIDE-AREA MOSQUITO CONTROL

For wide-area community applications by ground equipment, ultra low volume (ULV) sprays or fogs.

For use 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.

Apply this product only as specified on the label.

The maximum application rate for wide area mosquito adulticide applications is 0.0025 lbs. pyrethrin per acre, or 0.025 lbs. piperonyl butoxide per acre, whichever is lower. When targeting *Aedes Taeirorhynchus* and other difficult species, applications may be made up to 0.008 lbs. pyrethrin per acre per day, or 0.08 lbs. piperonyl butoxide per acre per day, whichever is lower.

Do not apply more than 0.2 lbs. pyrethrin per acre per year, or 2.0 lbs. piperonyl butoxide per acre per year, whichever is lower, in any treated area. More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal, or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

## USE RESTRICTIONS

- Except when applying as a ground-based wide-area mosquito adulticide, do not enter or allow others to enter until vapors, mists and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- Except when applying this product as a ground-based wide-area mosquito adulticide, do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Except when applying this product as a ground-based wide-area mosquito adulticide, only protected handlers may be in the area during application.
- This product is not for use in outdoor residential misting systems (indoor or outdoor).

**Outdoor Use-Mosquito Control  
 Use at 0.1% through 0.5% Rates**

**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 5 mph or less.

**Dilution:** Use a white mineral oil conforming to 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); or 40 CFR § 180.930 (Inert ingredients applied to animals; exemptions from the requirement of a tolerance). Combine oil and CSI PY-PBO 0.5-5 Fogging Concentrate [this product] as directed below and mix well just prior to application.

Desired Pyrethrins Percentage	Dilution Rate	Fluid Ounces of Diluted Product Delivers 0.0025 Pound Pyrethrins Per Acre
0.5%	1 part concentrate to 1 part oil	19.4
0.3%	6 parts concentrate to 7 parts oil	32.2
0.25%	1 part concentrate to 4 parts oil	38.8
0.15%	6 parts concentrate to 17 parts oil	64.4
0.1%	1 part concentrate to 9 parts oil	97

Use diluted CSI PY-PBO 0.5-5 Fogging Concentrate [product] 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. This product's dilution may be used over agricultural crops. For best results, apply when temperature is at least 50°F and when meteorological conditions create a temperature inversion with wind speed greater than 1 mph. Apply so the wind will carry the insecticidal fog into the area being treated. Do not apply more than 0.2 pound [lb.] pyrethrin per acre per year and 2 pounds [lbs.] piperonyl butoxide per acre per year in any treated area. More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes, the occurrence of mosquito-borne disease in animal or human populations or specifically approved by the state or tribe during a natural disaster recovery effort.

**Wind Speed: Apply only when wind speed is greater than or equal to 1 mph.**

**Ground-Based Application:** To kill adult mosquitoes and biting flies, apply up to 0.0025 [lb.] pounds of pyrethrins per acre. 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.

**Truck-Mounted ULV Application:** Apply at the rate of up to 0.0025 [lb.] pound per acre while the machine is traveling 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 provided the application rate is 0.0025 [lb.] pound of Pyrethrins per acre (use a 300-foot swath width for acreage calculations). When using truck mounted ULD equipment, spray at a dosage rate of up to 138 ounces per minute (0.1%) or up to 27.6 ounces per minute (0.5%) from a location up-wind of the areas where insects are to be killed. Keep speed of vehicle to 5 to 20 mph. Figure application travel path for a coverage of a 300-foot swath. Apply no more than 0.0025 pound per acre per day.

**Flow Rate for Maximum Delivery  
 300-Foot Swaths**

Vehicle Speed	Desired Pyrethrins Percentage	Desired Pyrethrins Percentage
	Ounces per Minute 0.1%	Ounces per Minute 0.5%
5 mph	138	27.6
10 mph	69	13.8
20 mph	34.5	6.9

**Hand-held Equipment or Backpack:** When using such equipment, apply at the rate of up to 8 undiluted ounces per acre in a 30-foot swath. Allow spray drift to penetrate dense foliage. When used in cold aerosol generators, mechanical/electronic foggers or misting equipment that produce a fog with the majority of droplets in the 5-50 micron range, dilute this product with light mineral oil (specific gravity of approximately 0.8 at 60°F; boiling point: 500-840°F). An N.F. [National Formulary (N.F.)] grade oil is preferred.

**Aerial Application (Fixed Wing and Helicopter):** To kill adult mosquitos and biting flies, apply up to 0.0025 pounds of pyrethrins per acre with equipment designed and operated to produce a ULV spray application. Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns (Dv 0.5 < 60 µm) and that 90% of the spray is contained in droplets smaller than 80 microns (Dv 0.9 < 80 µm). 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.

RELEASE HEIGHT for AERIAL:

Fixed wing: Apply using a nozzle height of no less than 100 feet above the ground or canopy.  
 Rotary wing: Apply using a nozzle height of no less than 75 feet above the ground or canopy.

*For product in rigid, non-refillable containers less than or equal to 5 gallons:}*

**Storage and Disposal**

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

**Pesticide Storage:** Store in a cool, dry (preferably locked) area that is inaccessible to children and animals. Store away from food and pet food. **Pesticide Disposal:** Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility. **Container Handling:** Non-refillable container; do not reuse or refill this container. Clean container 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 1/4 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 two more times. Offer for recycling if available or dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

*{For product in rigid, non-refillable containers greater than 5 gallons:}*

### **Storage and Disposal**

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

**Pesticide Storage:** Store in a cool, dry (preferably locked) area that is inaccessible to children and animals. Store away from food and pet food. **Pesticide Disposal:** Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility. **Container Handling:** Non-refillable container; do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 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 dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

*{For product in rigid, refillable containers:}*

### **Storage and Disposal**

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

**Pesticide Storage:** Store in a cool, dry (preferably locked) area that is inaccessible to children and animals. Store away from food and pet food. **Pesticide Disposal:** Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility. **Container Handling:** Refillable container; refill this container only with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the refiller; cleaning before final disposal is the responsibility of the person disposing of the container. 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% full with water, then vigorously agitate or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure 2 more times. Offer for recycling if available or dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

*{Per PR Notice 2007-4 the batch code/lot number will appear on the label or container.}*

### LIMITATION OF WARRANTY AND LIABILITY

Read the entire direction for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES, and LIMITATIONS OF LIABILITY.**

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Control Solutions, Inc. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, Control Solutions, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Control Solutions, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Control Solutions, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Control Solutions, Inc election, the replacement of product.

[Manufactured for:] [Distributed by:]

**Control Solutions, Inc.**

5903 Genoa-Red Bluff

Pasadena, TX 77507-1041

*{Marketing Claims}*

Add marketing statements, graphics, etc. here.

- For use in edible product areas of official establishments operating under the meat, poultry, shell egg grading and egg products inspection programs and in other food processing plants.
- For Use In and Around Animal areas/quarters, Bakeries, Cattle barns, Dairy/livestock barns, Egg processing plants, Flood handling establishments, Food processing plants, Homes, Industrial installations, Meat packing plants, Milk rooms, Nursing homes, Office buildings, Poultry houses, Poultry processing plants and Restaurants.
- For use on {select from sites listed in Directions for Use}.
- Kills {select from insects listed on label}.
- Kills Ants, Angoumois grain moths, Granary weevils, Indian meal moths, Mites, Mosquitoes, Rice weevils.

*{End of Marketing Claims}*

[ ] Denotes alternate/optional language

{ } Denotes language that does not appear on the market labeling