



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 22, 2015

Ms. Kristin Hood  
Regulatory Affairs Specialist  
Central Garden & Pet Company  
1501 East Woodfield Rd., Suite 200 W  
Schaumburg, IL 60173

Subject: Notification per PRN 98-10 – Addition of alternate brand name, “Pyronyl™ 303 EC” in addition to minor label revisions.  
Product Name: Pyronyl™ 303 Emulsifiable Concentrate  
EPA Registration Number: 89459-40  
Application Date: March 31, 2015  
Decision Number: 503013

Dear Ms. Hood:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records. The alternate brand name Pyronyl™ 303 EC has been added to the product record.

If you have any questions, you may 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 cursive script that reads "Jennifer Urbanski" followed by a small mark.

Jennifer Urbanski, Ph.D.  
Product Manager 04  
Invertebrate & Vertebrate Branch 1  
Registration Division (7505P)  
Office of Pesticide Programs



# PYRONYL™ 303 EMULSIFIABLE CONCENTRATE

## NOTIFICATION

89459-40

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

04/22/2015

**Alternate Brand Name: Pyronyl™ 303 EC**

**Kills: Ants, Cadelles, Cockroaches, Confused Flour Beetles, Fungus Gnats, Granary Weevils, Horn Flies, House Flies, Mosquitoes, Rice Weevils, Saw-toothed Grain Beetles, Stable Flies and other listed insects**

**For Use in: Dairy Barns, Hog Barns and other farm structures or buildings housing animals or poultry, Horse Barns, Kennels, Food Processing Plants, Mills, Elevators and Granaries, Automatic Spraying Systems**

### ACTIVE INGREDIENTS:

Pyrethrins.....	3%
Piperonyl Butoxide* .....	30%
<b>OTHER INGREDIENTS**:</b> .....	<b>67%</b>
<b>TOTAL</b>	<b>100%</b>

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

\*\*Contains Petroleum Distillates

## KEEP OUT OF REACH OF CHILDREN WARNING

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand this label, find someone to explain it to you in detail.)

**SEE INSIDE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE**

EPA Reg. No. 89459-40

EPA Est. No.

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LOT # \_\_\_\_\_

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING: Contains Petroleum Distillate.** Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through the skin. Do not get in eyes. Avoid contact with skin or clothing. Remove and wash contaminated clothing before reuse. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

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>
<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 the Poison Control Center or 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>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a Poison Control Center or doctor for treatment advice.</li></ul>
<b>If inhaled</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</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 additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-248-7763 seven days a week.	
<b>NOTE TO PHYSICIAN:</b> Contains petroleum distillate – vomiting may cause aspiration pneumonia.	

### Personal Protective Equipment (PPE):

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

- Long-sleeved shirt and long pants,
- Chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber (selection category E),
- Protective eyewear (goggles, face shield, safety glasses), and
- Shoes and socks.

In addition to the above PPE, applicators using a high pressure hand wand in an enclosed area must wear at least a NIOSH-approved particulate respirator with any N, R or P filter, NIOSH approval number prefix TC-84A.

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 with NIOSH approval number prefix TC-84A or
- a canister approved for pesticides NIOSH approval number prefix TC-14G), or
- a cartridge or canister with any N, R, P, or HE filter.

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 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.

### Engineering Controls-

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)]. Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers.

## ENVIRONMENTAL HAZARDS

**For 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 actively visiting 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 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.

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.

**{For containers equal to or greater than 5 gallons}** Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

### DIRECTIONS FOR USE

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

#### USE RESTRICTIONS:

- 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.
- When used in food/feed handling facilities: Do not make space spray applications while facility is in operation. Prior to space spray applications, cover or remove food and cover food processing surfaces or clean after treatment and before use.
- If used in edible product areas of federally inspected meat, poultry, shell egg grading, and egg product establishments, this product must be dispersed as an aerosol spray (no droplets over 50 microns in diameter and 80% less than 30 microns).
- Except when applying to animals (pets/livestock), through outdoor residential misting systems or as a mosquito adulticide, do not enter or allow others to enter until sprays have dried or until vapors, mists and aerosols have dispersed and the treated area has been thoroughly ventilated.
- Except when applying to animals (pets/livestock), through outdoor residential misting systems or as a 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 to animals (pets/livestock), through outdoor residential misting systems or as a mosquito adulticide, only protected handlers may be in the area during application.
- After space spraying, do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.
- Remove pets and birds, and cover fish aquariums before spraying.
- When used in dairy barns or facilities: Close milk bulk 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.
- Do not make applications during rain.
- Do not water the treated area to the point of runoff.
- For pet use: Do not apply to dogs less than 12 weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.
- For use on animals: Do not apply more than 1 time per day.
- Do not wet plants to the point of runoff or drip.
- Not for use on ornamental plants, fruits or vegetables being grown for sale or other commercial use or for commercial seed product or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior landscapes, ornamental gardens or parks or on golf courses or lawns and grounds.
- Do not use in aircraft cabins.
- Do not apply directly into sewers or drains, or to any area like a gutter where drainage to storm sewers, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

To prepare dilutions, the concentrate should first be stirred or agitated well. Add the required amount of concentrate to water and blend thoroughly. This will produce a stable micro-emulsion.

### INDOOR APPLICATION

To kill exposed stages of house flies, fruit flies, mosquitoes, gnats, and small flying moths, dilute 1 part concentrate in 59 parts water (2.1 fluid ounces per gallon). Close doors and windows and shut off ventilating systems. Apply as a fog or fine mist, directing the spray toward the upper portions of the room and toward windows and other light sources which attract these insects. Thoroughly fill the area with mist using 1 to 2 fluid ounces per 1,000 cubic feet. Keep area closed for 10 minutes or more. For initial clean out of infestations of cockroaches, ants, spiders, silverfish, crickets, boxelder bugs, scorpions, and clover mites: Dilute 1 part concentrate in 14 parts water (8.5 fluid ounces per gallon). Apply as a coarse droplet surface spray using approximately 1 gallon to 750 square feet. Thoroughly spray all surfaces where these insects are usually found including walls, baseboards, moldings, doors, cabinets, shelves, sinks and pipes, with special attention to cracks and crevices, niches, dark corners, drains and similar hiding places. Treat ant trails, nests and runs. When possible, spray insects directly. Repeat treatment using a maximum dilution rate of 1 part concentrate in 29 parts water (4.3 fluid ounces per gallon) at a rate of 1 gallon per 750 sq. ft. after an interval of one month or when reinfestation occurs.

**IN MILLS, ELEVATORS AND GRANARIES:** For rapid initial kill of exposed or accessible stages of granary weevils, rice weevils, confused flour beetles, rust red flour beetles, cadelles, saw-toothed grain beetles, cheese mites and grain mites. Dilute at a rate of 1 part concentrate to 29 parts water (4.3 fluid ounces per gallon). Clean out any waste grain, dust, dirt or debris and destroy before spraying. Apply as a coarse droplet spray using approximately 1 gallon to 750 square feet of surface.

Fumigate infested stored products or treat by other effective methods using an approved product intended for this use.

In mills, elevators, and granaries, thoroughly spray floors, walls and other surfaces of bins, storage and handling areas with particular attention to cracks, crevices, and similar protected locations. Treat unloading, handling and processing areas, and apply the insecticide to conveying, processing and handling equipment such as the inside of reel conveyors, purifier conveyors, sifters, roll housings and hoppers, pick up conveyors, etc. Spray thoroughly around the base of heavy machinery and equipment.

Thoroughly treat walls, floors, shelves and other exposed surfaces, and lightly spray each layer of cartons or containers as stacked. Sack surfaces of bagged grain can be sprayed lightly until slightly moist. For protection in transit, treat truck beds, boxcars, and ships' holds before loading.

Using a dilution of 1 part concentrate in 29 parts water (4.3 fluid ounces per gallon), apply at a rate of 1 gallon to 750 square feet of surface with particular attention to cracks, crevices, and similar hiding places.

To kill exposed accessible stages of Indian meal moths and Angoumois grain moths in stored grain: Dilute 1 part of concentrate in 14 parts of water (8.6 fluid ounces per gallon) and apply to the surface of the binned grain at a rate of 2 gallons per 1,000 square feet (1.6 pints per 100 square feet). Apply at monthly intervals beginning with the first appearance of moths and continuing until early fall. In case of severe infestation, break up webbing with rake before spraying and make a second application in two weeks.

#### **IN FOOD PROCESSING PLANTS:**

Dilute at a rate of 1 part concentrate to 29 parts water (4.3 fluid ounces per gallon).

**For use in horse barns, dairy and hog barns, kennels and other farm structures or buildings housing animals or poultry.**

Do not treat dairy or meat producing animals or their housing areas with other fly control measures containing pyrethrins and/or piperonyl butoxide in conjunction with the use of this product to avoid exceeding established tolerances for these actives.

#### **FOR USE WITH HAND HELD MECHANICAL FOGGERS**

**To Kill House Flies, Horn Flies, Stable Flies, Horse Flies, Mosquitoes and Gnats:** Dilute with water as below to give 0.10% concentration and apply as a fine mist or fog. Direct spray toward ceiling and upper corners of the room until the area is filled with mist, using about two (2) fluid ounces per 1,000 cubic feet of space.

#### **FOR USE THROUGH AUTOMATIC SPRAYING SYSTEMS**

Not for use in residential areas. Do not use in nurseries or rooms where infants, ill, or aged persons are confined. Do not place metering device directly over or within 8 feet of exposed food, dishes, utensils, food processing equipment and food handling or preparation. Do not install within 3 feet of air vents. Carefully follow directions for the dispenser unit when installing the dispenser and recharging with pesticide or conducting maintenance. Do not apply more than 1 time per day. Do not apply more than 0.0033 lbs pyrethrins per application. This is equivalent to 10 oz of 0.5% pyrethrins per 1,000 cu. ft.

**To Kill House Flies, Horn Flies, Stable Flies, Horse Flies, Mosquitoes and Gnats:** Add concentrate to tank and add water to obtain desired dilution. Agitate well while adding water. Dispense diluted concentrate through automatic spraying system. Set nozzles to deliver one (1) fluid ounce liquid per minute. Locate nozzles to cover a maximum of 2,000 cubic feet of space per nozzle. Set timer to operate in accordance with equipment directions. Dilute **Pyronyl 303 Emulsifiable Concentrate** just prior to use as follows:

- 0.05% Pyrethrins – Add 1 part Concentrate to 59 parts water
- 0.10% Pyrethrins - Add 1 part Concentrate to 29 parts water
- 0.50% Pyrethrins - Add 1 part Concentrate to 5 parts water

#### **In Animal Premise Automatic Misting Systems:**

Do not apply when food, feed and/or water is present. When using this product, installers and service technicians must comply with the license, certification or registration requirements of the state(s), tribe(s) or local authority(ies) where they are installed. When applying via a remote activation device, do not apply when people and pets are present. If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present. Direct nozzles to spray towards the target area and away from areas where people are typically present. Do not use in an evaporative cooling system.

Do not use in misters located within 3 feet of air vents, air conditioner units or windows. If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: this container holds \_\_\_parts Prentox Pyronyl 303 Emulsifiable Concentrate to \_\_\_ parts water.

If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.

This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.000476 lbs pyrethrins and 0.008 lbs piperonyl butoxide per 1,000 cubic feet per day. This is equivalent to:

- 0.05% pyrethrins – 14.6 fluid ounces of diluted product per 1,000 cubic feet per day
- 0.10% pyrethrins – 7.3 fluid ounces of diluted product per 1,000 cubic feet per day
- 0.50% pyrethrins – 1.46 fluid ounces of diluted product per 1,000 cubic feet per day

## ON HORSES

To kill horn flies, house flies, mosquitoes and gnats, dilute at the rate of 1 part concentrate to 119 parts water (1 fluid ounce per gallon) and apply to wet the hair thoroughly with particular attention to the topline, underline, flanks, withers, and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or daily when flies are emerging in large numbers.

To kill stable flies, horse flies, and deer flies, dilute 1 part concentrate to 29 parts water (4.3 fluid ounces per gallon) and apply a quart per adult animal to wet the hair thoroughly with particular attention to the legs, flanks, barrel, topline, and other body areas commonly attacked by these flies. Repeat treatment weekly as needed.

To kill spinose ear ticks, dilute at the rate of 1 part concentrate to 74 parts water (1.7 fluid ounces per gallon) and apply by individual treatment, spraying or pouring 1 to 2 fluid ounces into each ear of large animals.

## PETS

### READ ENTIRE LABEL BEFORE EACH USE

#### USE ONLY ON DOGS (OVER 12 WEEKS OF AGE) TO KILL FLEAS, LICE, TICKS AND SPINOSE EAR TICKS

**ON DOGS:** To kill fleas, ticks and lice on dogs, and to obtain protection against reinfestation, dilute at 1 to 29 in water and wet the animal by dipping or spraying. For best results against fleas and ticks on dogs, also treat the kennels or animal quarters and bedding. To kill spinose ear ticks, dilute at the rate of 1 part concentrate to 74 parts water (1.7 fluid ounces per gallon) and apply by individual treatment, spraying or pouring a few drops into the ears of dogs. Do not reapply product for 7 days.

## MOSQUITO CONTROL OUTDOORS

For use by federal, state, tribal, or local government officials responsible for public health or vector control, or by person 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.

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

Do not apply more than 0.2 lbs pyrethrins/acre/year, or 2 lbs piperonyl butoxide/acre/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.

WIND SPEED: Apply only when wind speed is greater than or equal to 1 mph.

### Ground Application:

Spray equipment must be adjusted so that the volume median diameter is less than 30 microns ( $D_{v,0.5} < 30 \mu\text{m}$ ) and that 90% of the spray is contained in droplets smaller than 50 microns ( $D_{v,0.9} < 50 \mu\text{m}$ ). 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.

To control adult mosquitoes, using ground application, dilute 1 part concentrate to 4 parts water (25.6 fluid ounces per gallon). Apply as a fine mist or fog. Treat shrubbery and vegetation where mosquitoes may rest. Shrubby and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated. Application of this product to any body of water is prohibited, when used for adult mosquito control. Repeat once or twice a week. With mobile or truck mounted equipment, the above application rate will result if a 300 foot swath is treated, traveling at 5 mph, dispensing spray at a rate of 20 fluid ounces per minute.

### Aerial Application:

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.

Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns ( $D_{v,0.5} < 60 \mu\text{m}$ ) and that 90% of the spray is contained in droplets smaller than 80 microns ( $D_{v,0.9} < 80 \mu\text{m}$ ). 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 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.

Application using fixed wing aircraft: Use 2-4 fluid ounces of concentrate in 4 gallons of water per acre.

To control mosquito larvae, dilute 13 ½ fluid ounces of concentrate in 5 gallons of water and apply at a rate of 5 gallons per acre. Apply as a coarse wetting spray uniformly over wetlands, swamps, marshes, or shallow water. Do not exceed this dosage or fish kill may result.

## FOR USE THROUGH AUTOMATIC SPRAY SYSTEMS OUTDOORS

To kill Mosquitoes, Flies, Gnats, and other outdoor pests. Fill tank halfway with water, then add concentrate. Fill the rest of the tank with water. Dispense diluted concentrate through automatic spraying system. Locate nozzles a minimum of 10 feet apart or a maximum of 15 feet apart. One nozzle covers 100 square feet. Nozzles should be rated for a maximum of 1.25 oz. per minute. Set timer to operate in accordance with equipment directions.

**Dilute Pyronyl 303 Emulsifiable Concentrate just prior to use as follows:** 0.05% Pyrethrins – Add 1 part concentrate to 59 parts water.

### FOR OUTDOOR USE IN RESIDENTIAL MISTING SYSTEMS:

When using this product, installers and service technicians must comply with the license, certification or registration requirements of the state(s), tribe(s) or local authority(ies) where they are installed.

If the system works on an automatic timer, set the timing for application when people, pets and food are unlikely to be present.

If the system works when a person operates a remote activation device, then application of this pesticide when people, pets and food are present is prohibited.

Do not use in an evaporative cooling system.

Direct nozzles to spray towards the target area and away from swimming pools, water bodies or eating and cooking areas.

Do not set nozzles to direct mist near outside air condition systems or other home air intakes.

If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: this container holds \_\_\_parts Prentox Pyronyl 303 Emulsifiable Concentrate to \_\_\_ parts water.

If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.

Contact the system manufacturer for guidance or assistance to ensure compliance with the following requirement:

This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.00011 lbs pyrethins and 0.00058 lbs piperonyl butoxide per 1,000 cubic feet per day. This is equivalent to 1.8 fluid ounces of diluted product per 1,000 cubic feet per day

### FOR OUTDOOR USE ON VEGETABLES, FRUITS AND ORNAMENTALS

Except when using as a mosquito adulticide or through outdoor residential misting systems, all outdoor uses must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses: (1) Treatment of soil or vegetation around structures; (2) Applications to lawns, turf and other vegetation; and (3) Applications to building foundations up to a maximum height of 3 feet. Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors and eaves), are limited to spot treatment and crack-and-crevice treatments only.

May be used on vegetables, fruits and ornamentals (outdoors or in greenhouses) up to and including day of harvest.

On the following vegetables, fruits and ornamentals, to kill the listed insects, use 3/4 to 2½ fluid ounces in 10 gallons of water. Thorough coverage of upper and lower leaf surfaces is essential for good control.

### KILLS THE FOLLOWING INSECTS

Achemon sphinx moths, alfalfa caterpillars, alfalfa loopers, alfalfa weevils, almond moths, Angoumois grain moths, ants, aphids, apple maggots, armyworms, artichoke plume moths, asparagus beetles, bagworms, bean beetles, bean leaf beetles, bed bugs, beet armyworms, beet webworms, beetles, biting flies, black widow spiders, blister beetles, blossom weevils, blowflies, blueberry maggots, boll weevils, bollworms, boxelder bugs, budmoths, bugs, cabbage loopers, cadelles, cankerworms, carpet beetles, carrot rust flies, carrot weevils, caterpillars, centipedes, cereal leaf beetles, cherry fruit flies, chiggers, chinch bugs, cicadas, cigarette beetles, clothes moths, clover mites, clover weevils, cockroaches, codling moths, Colorado potato beetles, collembolas, confused flour beetles, corn borers, corn earworms, corn flea beetles, corn rootworms, corn sap beetles, cotton leaf perforators, crane flies, crickets, cross-striped cabbageworms, cucumber beetles, cutworms, darkling beetles, darkling ground beetles, deer flies, deer ticks, diamondback moth caterpillars, digger wasps, Douglass fir tussock moths, dried fruit beetles, drugstore beetles, earwigs, eastern tent caterpillars, Egyptian alfalfa weevils, elm bark beetles, elm leaf beetles, European corn borers, European pine tip moths, face flies, fall webworms, fire ants, firebrats, fireworms, flat grain beetles, fleas, flea beetles, flies, forest tent caterpillars, fruit flies, fulgorids, fungus gnats, garden webworms, granary weevils, grape leafhoppers, grapeleaf skeletonizers, grasshoppers, grapevine root borers, green bugs, green cloverworms, green fruitworms, green June beetles, green peach aphids, gypsy moths, harlequin bugs, *Heliothis*, hessian flies, hickory shuckworms, hornets, horn flies, hornworms, horse flies, house flies, Indian meal moths, imported cabbageworms, Japanese beetles, katydids, lace bugs, leaf beetles, leaf-footed bugs, leafhoppers, leafminers, leafrollers, leaf tiers, lesser cornstalk borers, lesser grain borers, lice, little house flies, loopers, *Lygus*, maize weevils, mealybugs, Mediterranean flour moths, melonworms, merchant grain beetles, Mexican bean beetles, midges, millipedes, mosquitoes, mushroom flies, Nantucket pine tip moths, navel orangeworms, nitidulids, oakworms, onion maggots, Oriental fruit moths, peach tree borers, pear psylla, phorids, pickleworms, pillbugs, pine needle miners, pine tube moths, pine weevils, plant bugs, plum curculios, plume moths, potato aphids, potato leafhoppers, potato tuberworms, psyllids, range caterpillars, redbanded leafrollers, redhumped caterpillars, red flour beetles, rice weevils, rusty grain beetles, sap beetles, saw-toothed grain beetles, sciarids, shield bugs, silverfish, skippers, sod webworms, sorghum midges, sowbugs, soybean loopers, squarenecked grain beetles, spittlebugs, springtails, squash beetles, squash bugs, squash vine borers, stable flies, stalk borers, stink bugs, strawberry mites, strawberry weevils, tabanids, tarnished plant bugs, tent caterpillars, thrips, ticks, tomato hornworms, tomato pinworms, tortoise beetles, tortrix, tussock moths, velvetbean caterpillars, vinegar flies, walnut caterpillars, wasps, webworms, weevils, whiteflies, woolly bear caterpillars, yellowstriped armyworms, yellow jackets.

**VEGETABLES:** beets, carrots, horseradish, potatoes, radishes, celery, lettuce, parsley, spinach, broccoli, cabbages, cauliflowers, beans, peas, cucumbers, melons, pumpkins, summer squash, watermelons, zucchini.

**FRUITS:** grapefruits, lemons, limes, tangerines, oranges, apples, pears, apricots, cherries, nectarines, peaches, plums, grapes, raspberries, blackberries, strawberries.

**HERBS AND SPICES:** anise (aniseed), balm, basil, borage, burmet, camomile, caraway, catnip, chicory, chives, clary, coriander, costmary, cumin, curry leaf, dill, fennel (Italian and sweet), fenugreek, horehound, hyssop, marigold, marjoram-sweet (oregano), marjoram (wild), mint, nasturtium, paprika, parsley, pennyroyal, rosemary, rue, sage, savory (summer and winter), sweet bay (bay leaf), tansy, tarragon, thyme, wintergreen, woodruff, wormwood

**ORNAMENTALS:** African violet, ageratum, aster, azalea, begonia, cactus, calceolaria, calendula, calla, camella, camellia, carnation, ceanothus, chrysanthemum, cineraria, coleus, cyclamen, cypress, daffodil, dahlia, delphinium, eucalyptus, fern, ficus, foliage plants, fuschia, gardenia, geranium, gladiolus, gloxina, gypsophilla, hyacinth, hydrangea, imitari, feles, iris, ivy, lily, maidenhair fern, marigold, narcissus, orchid, pansy, pelargonium, peony, petunia, philodendron, phlox, poinsettia, pyracantha, rhododendron, rose, rubber plant, snapdragon, stock, sweet pea, tulip, viburnum, wandering jew, zinnia and Andromeda, arbovitae, ash, beech, birch, boxwood, butternut, chamaecyparis, cherry, cotoneaster, crabapple, dogwood, Douglas fir, elm, euonymus, fir, firethorn, forsythia, hackberry, hawthorn, hemlock, hickory, holly, honey locust, horse chestnut, juniper, larch, laurel, lilac, linden, London plane, magnolia, maple, mimosa (silk tree), mountain ash, myrtle, oak, pachysandra, peach, pine, planetree, poplar, privet, quince, spruce, sycamore, *Taxus*, tulip tree, viburnum, walnut, willow, yew

**DROSOPHILA OR FRUIT FLY CONTROL:**

Dilute at the rate of 2 parts concentrate with 1,200 parts water (22 pints per 150 gallons of water). Thoroughly mix the emulsion in the spray tank. Make treatments as follows:

1. To protect tomatoes and fruits in baskets on trucks or in plants, use a product registered for this use such as Pyronyl Crop Spray.
2. Spray the raw stock stacked in the yard.
3. Dip baskets in the diluted spray after dumping the fruit to kill adhering larvae and pupae.
4. After washing and cleaning up the inside of the processing plant and just prior to bringing fruit into it, spray the entire space inside the cannery at a dilution of 2 parts concentrate to 59 parts water (2 pints) with 7 gallons 3 pints water or 4 tablespoonfuls with 3¼ pints water. At the rate of 1 gallon to 750 square feet (1 quart to 750 square feet) direct spray on walls, ceilings, and floors, paying special attention to forcing spray into all cracks and crevices.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE STORAGE:** Store this product in a cool, dry (preferably locked) place away from heat or open flame and in an area that is inaccessible to children and animals.

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

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.

**{Containers 5 gallons or less}** 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 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 reconditioning, if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. **{Containers greater than 5 gallons}** Triple rinse as follows: Empty the 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. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling, if available or reconditioning, if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this product not in strict accordance with directions given herewith.

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