



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

May 30, 2024

Jim McFadden
Central Garden & Pet
1501 E. Woodfield Rd.
Suite 200W
Schaumburg, IL 60173

Subject: Label Amendment – to revise Precautionary/First Aid to register product in California and per EPA remove mosquito larvae
Product Name: PRENTOX PYRONYL OIL CONCENTRATE #525
EPA Registration Number: 89459-24
Application Date: 10/4/2016
Case Number: 471820

Dear Jim McFadden:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), 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 FIFRA 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) lists 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 with FIFRA section 6.

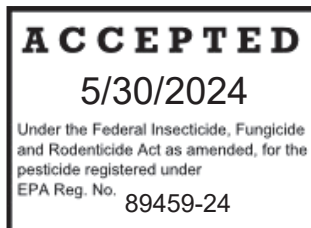
If you have any questions, please contact Autumn Metzger at 202-566-2830 or at Metzger.autumn@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to be 'Beth Fertich', followed by the word 'for' written in a cursive script.

Beth Fertich, Product Manager 04
Invertebrate & Vertebrate Branch 1
Registration Division (7505P)
Office of Pesticide Programs

Enclosure



Pyrethrins	Group	3A	Insecticide
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PYRONYL™ OIL CONCENTRATE #525

Alternate brand name: Pyronyl™ 525 Oil Concentrate

Kills: Ants, flies, fruit flies, gnats, small mites, lice, cockroaches, mosquitoes, wasps and other listed insects

For use in: Cattle barns, horse barns, poultry houses, swine houses, stables and animal quarters

For use as: Outdoor and wide area mosquito abatement

On Animal use: Beef and dairy cattle

ACTIVE INGREDIENTS:

Pyrethrins	5%
Piperonyl Butoxide*	25%

OTHER INGREDIENTS**	70%
TOTAL	100%

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

**Contains Petroleum Distillates

This product contains 0.367 pounds of pyrethrins and 1.83 pounds of piperonyl butoxide technical per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

[EFFECTIVE IN THE CONTROL OF INSECTS LISTED ON THIS LABEL IF THE APPLICATOR FOLLOWS THE DIRECTIONS FOR USE AS SET FORTH ON THIS LABEL.]

EPA Reg. No. 89459-24

EPA Est. No.

NET CONTENTS: 2.5/30/55/275 gallons

LOT NO.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

FIRST AID	
If swallowed	<ul style="list-style-type: none">• Immediately call a Poison Control Center or doctor.• 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 on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• 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 contact 1-800-248-7763 for emergency medical treatment information, including health concerns, medical emergencies or pesticide incidents.	
NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia.	

Personal Protective Equipment (PPE):

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

- long-sleeve shirt,
- long pants,
- 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 respirator with:

- a filter with NIOSH approval number prefix TC-21C or
- any 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 filter with NIOSH approval number prefix TC-21C or
- a canister (NIOSH approval number prefix TC-14G), or
- a cartridge or canister with any 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 remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

Engineering Controls:

Pilots must use an enclosed cockpit that meets the requirements listed on 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 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 washwater 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.

DIRECTIONS FOR USE

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

For both indoor and outdoor use.

Resistance Management

For resistance management, Pyronyl Oil Concentrate 525 contains a Group 3A insecticide. Any insect population may contain individuals naturally resistant to Pyronyl Oil Concentrate 525 and other Group 3A insecticides/acaricides. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of (name of product) or other Group (mode of action group number) insecticides/acaricides within a growing season, or among growing seasons, with different groups that control the same pests
- Use tank mixtures with insecticides/acaricides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
- Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
- Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
- When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
- Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
- The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact company representatives at 1-800-248-7763.

USE RESTRICTIONS:

- Entry Restrictions:
Except when applying to beef cattle, dairy cattle and horses and applying as a wide area mosquito adulticide, do not enter or allow others to enter treated area until sprays have dried and vapors, mists and aerosols have dispersed and the treated area has been thoroughly ventilated.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.
Except when applying to beef cattle, dairy cattle and horses and applying as a 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 to beef cattle, dairy cattle and horses and applying as a wide area mosquito adulticide, only protected handlers may be in the area during 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.
- Remove pets, birds and cover fish aquariums before spraying.
- Applying at rates of .05 fl oz/1,000 cu ft or above is restricted to use in non-residential areas only (as this rate is too high for residential area application.)
- Do not make space spray applications when food handling and processing facilities are in operation. Prior to space spray applications, cover or remove food. Prior to space spray applications, cover food processing surfaces or clean after treatment and before use.
- For direct application to non-domestic animals: Do not apply more than 1 time per day.
- 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 allow product/pesticide to enter indoor or outdoor drains. No permita la entrada a desagües internos o externos.
- Follow proper disposal procedures on this label. Siga las indicaciones del etiquetado para el desecho apropiado del producto.
- 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.
- Do not apply via manually pressurized handwand for either broadcast or crack-and-crevice applications in food handling establishments, warehouses, residential living spaces (homes/apartments), and in any indoor spaces where children may be present (including childcare center, schools).
- Do not apply via mechanically pressurized handgun to nursery ornamentals, vegetables, trees, container stock; warehouses; livestock housing, poultry houses, horse barns, feedlots, or directly onto livestock.
- Not for use in outdoor residential misting systems.
- Do not apply indoors via broadcast spray.
- Do not apply to indoor carpet surfaces.
- Do not apply to lawns or turf.

- Residential Outdoor Surface and Space Sprays, except for outdoor fogging devices: All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:
 - (1) Treatment to soil or vegetation around structures;
 - ;
 - (2) 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 and crack-and-crevice applications only.
- Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft.).
- Do not make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours).
- Do not wet plants to point of runoff or drip.
- Do not water the treated area to the point of runoff.
- Do not use in aircraft cabins.

INDOOR USE

For use indoors in warehouses, storage rooms, food-handling and processing areas and equipment, flour mills, grain elevators, federally inspected meat and poultry plants, modes of transport (trucks, rail cars, ships), cattle barns, horse barns, poultry houses, swine houses, stables, animal quarters, zoos.

INDOOR USE (Non-Residential Areas Only) - UNDILUTED

Indoor Use as a Space Spray Undiluted: For use only on sites listed below. 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). Direct the spray toward the ceiling and upper corners of the area behind obstructions. Keep the area closed for at least 15 minutes.

This space spray method of application will kill COCKROACHES and exposed, accessible stages of FLIES, (including FRUIT FLIES), MOSQUITOES, SMALL MITES, CHEESE SKIPPERS, BOXELDER BUGS, EARWIGS, ANTS and the following common stored product pests: GRANARY WEEVILS, RICE BEETLES, SPIDER BEETLES, MOTHS, MEDITERRANEAN FLOUR MOTHS, INDIAN MEAL MOTHS, TOBACCO MOTHS, YELLOW MEALWORMS, DARK MEALWORMS, GRAIN MITES, CADELLES and RED FLOUR BEETLES.

Warehouses, Storage Rooms, Flour Mills, Grain Elevators, Food-Handling and Processing

Areas/Equipment, Modes of Transport (trucks, rail cars, ships): Apply at a rate of ½ to 1 fluid ounce per 1,000 cubic feet of space. Cover exposed food, cover or clean food handling surfaces. Direct spray toward ceiling and upper corners of the area and into, under and behind obstructions, cabinets, appliances and furnishings if the equipment and constructions of the treatment allow. Keep area closed for at least 15 minutes before ventilation.

Dried Fruit Products in storage or being processed, to kill CONFUSED FLOUR BEETLES, DRIED FRUIT BEETLES, INDIAN MEAL MOTHS, and SAW-TOOTHED GRAIN BEETLES: remove and destroy infested products. As noted above, disperse this product as a fine mist in the air above the trays and shelves. Use ½ fluid ounce per 1,000 cubic feet of space. Repeat application at this dosage in any given month. Leave the room closed for one hour.

Food Stored in Bags: (Stored in multi-wall bags or cloth bags) in warehouses, storage rooms, flour mills, grain elevators, granaries to kill ANGOUMOIS GRAIN MOTHS, CADELLES, CONFUSED FLOUR BEETLES, INDIAN MEAL MOTHS, MEDITERRANEAN FLOUR MOTHS, RICE WEEVILS, SAW-

TOOTHED GRAIN BEETLES, YELLOW MEALWORMS, CHEESE MITES, CHEESE SKIPPERS, CIGARETTE BEETLES, GRAIN MITES, GRANARY WEEVILS, DARK MEALWORMS, RED FLOUR BEETLES: remove and destroy infested products. As noted above, disperse the product first by directing spray into corners, under pallets, and around stacks of package foods hitting as many insects as possible and then treat as a space spray. Fumigate infested stored product or treat by other effective methods using an approved product registered for this purpose. Use a dosage of 1 fluid ounce per 1,000 cubic feet of space. This application will kill accessible, exposed stages of those stored product pests listed above. Direct application to food contact surfaces is prohibited.

Agricultural Premises and Equipment – Indoor: Livestock Facilities Animal Quarters, Housing, Barns, Stables, Rearing Facilities, both Temporary and Permanent, including Cattle (Beef/Range/Feeder) Facilities, Swine Facilities, Goats (Meat and Dairy), Sheep, Lamb, Rabbits, Game Animals, Animals for Fur Production, Dairy Barns and Facilities, Poultry Houses: When non-domestic animals are not present, apply at the rate of 1 fluid ounce per 1,000 cubic feet of space. When non-domestic animals are present, apply at a rate of ¼ fluid ounce per 1,000 cubic feet. Remove or cover exposed food and water before application. When treating dairy barns and facilities; close milk bulk tank lids to prevent contamination from spray and dead or falling insects. Remove or cover milking utensils before applications. Do not apply more than 1 time per day.

Commercial Animal Facilities: Animal Shelters, Catteries, Dog Runs, Kennels, Pet Grooming Shops, Pet Stores, Research Animal Quarters, Zoos: Remove animals prior to treatment. Apply at a rate of ½ to 1 fluid ounce per 1,000 cubic feet of space. Cover exposed food and water. Direct spray toward ceiling and upper corners of the area and into, under and behind obstructions, cabinets, appliances and furnishings if the equipment and constructions of the treatment allow. Keep area closed for at least 15 minutes before ventilation.

INDOOR USE – DILUTED

Indoor Use as a Space Spray Diluted - For use in conventional mechanical fogging equipment to kill FLIES, FRUIT FLIES, MOSQUITOES, SMALL FLYING MOTHS AND GNATS: See Directions for Use in each listed type of application. Close room and shut off all air conditioning or ventilating system equipment.

Agricultural Premises and Equipment – Indoor: - (Cattle barns, horse barns, poultry houses, swine houses): as a space spray diluted for use in conventional mechanical fogging equipment to kill FLIES, MOSQUITOES, SMALL FLYING MOTHS AND GNATS, dilute 1 part concentrate plus 10 parts oil (refined kerosene) and mix well. Apply at the rate of 2 fluid ounces per 1,000 cubic feet of space above the animals. Direct spray towards the upper portions of the enclosure filling the room with moisture. Keep area closed for at least 15 minutes and ventilate before re-entry..

Commercial Animal Facilities: (Animal Shelters, Catteries, Dog Runs, Kennels, Pet Grooming Shops, Pet Stores, Research Animal Quarters, Zoos): as a space spray diluted for use in conventional mechanical fogging equipment to kill FLIES, MOSQUITOES, SMALL FLYING MOTHS AND GNATS, dilute 1 part concentrate plus 10 parts oil (refined kerosene) and mix well. Apply at the rate of 1 to 2 fluid ounces per 1,000 cubic feet of space above the animals. Direct spray towards the upper portions of the enclosure filling the room with moisture. Keep area closed for at least 15 minutes and ventilate before re-entry.

For Indoor Residential Use as a Surface Spray:

Use Restrictions:

Do not apply indoors via broadcast spray.
Do not apply to indoor carpet surfaces.

To insure maximum kill of crawling insects (ANTS, BOXELDER BUGS, CLOVER MITES, DRUGSTORE BEETLES, EARWIGS, LICE, SPIDER BEETLES), dilute 1 part concentrate plus 49 parts oil (refined kerosene) and mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture to 750 square feet of surface. Spray walls, floors and other surfaces of storage and handling areas thoroughly, being especially careful to treat cracks, crevices and similar hiding places. Spray insects directly when possible.

For Indoor Commercial, Industrial or Institutional Establishments

To control accessible stages of Cockroaches, Silverfish, Beetles, and Crickets: Dilute 3 fl. oz. of concentrate with one gallon of oil, mix well and apply as a coarse wetting spray using 1 gallon of spray mixture per 1,000 sq. ft. of surface. To ensure maximum control of listed crawling insects, spray thoroughly into all cracks, molding, crevices, walls, floors, and other surfaces of bins and storage and handling areas. [Pay] particular attention [should be paid] to areas where moisture collects such as around drains, sinks, and water pipes, around the base of heavy machinery and equipment, contacting as many insects as possible.

For Indoor Retail Spaces and Storage

To control accessible stages of Cockroaches, Silverfish, Beetles, and Crickets: Dilute 3 fl. oz. of concentrate with one gallon of oil, mix well and apply as a coarse wetting spray using 1 gallon of spray mixture per 1,000 sq. ft. of surface. To ensure maximum control of listed crawling insects, spray thoroughly into all cracks, molding, crevices, walls, floors, and other surfaces of bins and storage and handling areas. [Pay] particular attention [should be paid] to areas where moisture collects such as around drains, sinks, and water pipes, around the base of equipment, contacting as many insects as possible.

For Use in Transit Protection, clean and spray truck beds, boxcars, and ships' holds before loading. Dilute 3 oz. concentrate with 1 gallon of oil (refined kerosene) and mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture to 1,000 square feet of surface. Thoroughly treat walls and floors and spray each layer of cartons or containers lightly as stacked.

For use in/on Stored Grains that are Placed in Silos, Bins, Flats, Warehouses, Ground Piles, and Other Storage Facilities, to kill INDIAN MEAL MOTHS, and ANGOUMOIS GRAIN MOTHS in stored grain, dilute 1 part concentrate plus 49 parts oil (refined kerosene), mix well and apply to the surface of binned grain at a rate of 1 gallon per 1,000 square feet. Apply at monthly intervals 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.

For Indoor Food Handling/Processing Facilities

For use in Restaurants, Taverns, Bars, Kitchens, Warehouses, Food Processing, Commercial Buildings and other Food Storage Facilities. To kill COCKROACHES, dilute 2.5 fluid ounces to make one gallon of finished solution in oil (refined kerosene). Use application equipment calibrated to apply a coarse, wet spray applying 1 gallon of solution per 1,000 sq ft. Direct the spray into hiding places, containers of stored foods, around bases of machinery, behind shelves and drawers. Spray cockroaches directly whenever possible.

For Use in Federally Inspected Meat and Poultry Plants: to kill exposed or accessible stages of COCKROACHES, SILVERFISH, WATER BUGS, EARWIGS, ANTS, SPIDERS, FLIES, FRUIT FLIES, MOSQUITOES, SMALL FLYING MOTHS and GNATS, dilute one part concentrate with 5 parts base oil (refined kerosene) and use with a ULV spraying device at the rate of one fluid ounce per 1,000 cubic feet of room space. Apply the spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects shelter. Contact as many insects as possible.

INDOOR MISTING SYSTEMS

For Use with Indoor Misting Systems in Warehouses, Food and Non-Food Storage Rooms, Flour Mills, Grain Elevators, Food-Handling and Processing Areas, Head Space of Peanut Flat Warehouses, Grain Bins, Modes of Transport (trucks, rail cars, ships), Restaurants, Commercial Kitchens, Lobbies and Entry Ways, Hospitals:

Restrictions for Indoor Misting Systems

- Do not apply when food, feed and/or water is present.
- Not for use in residential areas.
- Not for use in residential misting systems (indoor or outdoor).
- 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.
- Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained.
- Direct nozzles to spray towards the target area and away from areas where people are typically present.
- When applying via a remote activation device, do not apply when people and pets or animals are present.
- If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present.
- 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.
- 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 [product name] to ___ parts water.
- 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.
- This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.00011 lb Pyrethrins/1000 cubic feet/day.

As a space spray in automatic ULV misting systems and equipment. Whenever possible, space spray application should be made in the late evening when insects are at rest. Apply undiluted at the rate of 0.25-1.0 fluid ounces per 1,000 cubic feet of space. This concentrate may also be diluted with a suitable diluent at the rate of 1 part concentrate to 10 parts diluent and applied at the rate of 1-2 fluid ounces of diluted product per 1,000 cubic feet. Direct nozzles toward the upper portions of the enclosure, filling the room with mist or fog. Vacate treated area and ventilate before re-occupying.

Indoor Metered Release Devices

For Use with Indoor Metered Release Devices in Warehouses, Food and Non-Food Storage Rooms, Flour Mills, Grain Elevators, Food-Handling and Processing Areas, Head Space of Peanut Flat Warehouses, Grain Bins, Modes of Transport (trucks, rail cars, ships), Restaurants, Commercial Kitchens, Lobbies and Entry Ways, Hospitals:

Restrictions for Indoor Metered Release Devices

- Do not apply when food, feed and/or water is present.
- Not for use in residential areas.

- Do not use in devices located within 3 feet of air vents, air conditioner units or windows.
- Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained.
- Direct nozzles to spray towards the target area and away from areas where people are typically present.
- If possible, when applying via automatic timer, set the timing for application when people and pets and/or food are unlikely to be 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.
- 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.
- If the device works when a person operates a remote activation device, then application of this pesticide when people, pets and/or food are present is prohibited

This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.00011 lb Pyrethrins/1000 cubic feet/day.

Dilute 2.5 fluid ounces to make one gallon of finished solution and apply no more than 7.9 fluid oz per 1,000 cu ft. The maximum application rate for metered release devices is 0.00046 lb pyrethrins per 1,000 cubic feet. Carefully follow directions for the dispenser unit when installing the dispenser and replacing cans or conducting maintenance. The pesticide container must be locked.

Agricultural Premises and Equipment – Indoor Misting

To kill listed flying insects, dilute 2.5 fluid ounces of Prentox Pyronyl Oil Concentrate #525 per gallon of oil (refined kerosene) (125 fluid oz of concentrate in 50 gallons of oil). 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. Direct nozzles to spray towards the target area and away from areas where people are typically present.

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 Oil Concentrate #525 to ____ parts oil.

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 8.2 fluid ounces of diluted product per 1,000 cubic feet per day.

Commercial Animal Housing – Indoor Misting

To kill listed flying insects, dilute 2.5 fluid ounces of Prentox Pyronyl Oil Concentrate #525 per gallon of oil (refined kerosene) (125 fluid oz of concentrate in 50 gallons of oil). 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. Direct nozzles to spray towards the target area and away from areas where people are typically present.

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 Oil Concentrate #525 to ____ parts oil.

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 8.2 fluid ounces of diluted product per 1,000 cubic feet per day.

OUTDOOR USE

For outdoor use by PCO's as a commercial or residential barrier or space spray treatment as a backpack or thermal fogging application. Also for use for wide area mosquito abatement programs.

Mosquito Control for Commercial, Industrial and Institutional Establishments

Use Restrictions:

Do not apply via handheld or portable fogger or mister to outdoor industrial/commercial areas, including tires, railyards, junkyards; greenhouses (ornamentals, roses, cut flowers, container stock, vegetables); food handling establishments; warehouses; or poultry houses.

Barrier and Space Spray Application:

Backpack Applications: Apply either diluted or undiluted. For barrier applications, it is best to use the product diluted to adequately wet foliage and other surfaces. Apply at the rate of 2.5 fl oz product per 1,000 square feet of surface area which is adequate to cover three dimensional surfaces including shrubs and other ornamental plants. For Space Spraying to control adult mosquitoes in outdoor areas, dilute 2.5 fl. oz of product with 125.5 fluid oz of fuel oil, refined soybean oil or light mineral oil. Fill area with mist directing application into tall grass, shrubbery and around lawns where these pests may hover or rest. Apply at a rate of not more than 45 fluid ounces of mixture per acre (0.0025 lbs of pyrethrins and 0.0125 lbs of piperonyl butoxide per acre). Apply while air is still.

For Use in Thermal Fogging Equipment: following the above directions and precautions, prepare a solution containing 0.1% pyrethrins and 0.5% piperonyl butoxide by mixing 2½ fluid ounces of this product with 125½ fluid ounces of fuel oil, refined soybean oil or light mineral oil, to equal one gallon of spray. Apply at a rate of not more than 0.0025 pounds of pyrethrins and 0.0125 pounds of piperonyl butoxide per acre, or 45 fluid ounces of mixture per acre.

WIDE AREA MOSQUITO ABATEMENT PROGRAMS

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.

Use Restriction:

For Aerial Applications:

Do not apply by fixed wing aircraft at a nozzle height less than 100 feet (30.5 m) above ground or canopy, or by helicopter at a height less than 75 feet (22.9m) above the ground or canopy, (and if applicable) unless specifically approved by the state or tribe based on public health needs.

Apply when ground wind speeds are equal to or greater than 1 mph.
All types of applications should be conducted when temperatures at ground level are at or above 50°F

This product can be used over the following growing crops when performing adult mosquito control applications:

Root and Tuber Vegetables: Arracacha, arrowroot, purple arrowroot, Japanese artichoke, Jerusalem artichoke, beet, sugar beet, edible burdock, carrot, cassava (bitter or sweet), celeriac, chervil (turnip rooted), chicory, dasheen, (taro), ginger, ginseng, horseradish, leren, parsley (turnip rooted), parsnip, potato, radish, Japanese radish (daikon), rutabaga, salsify, black salsify, Spanish salsify, sweet potato, tanier (cocoyam), turmeric, turnip, true yam, bean yam.

Leaves of Root and Tuber Vegetables: Beet, sugar beet, edible burdock, carrot, cassava (bitter or sweet), celeriac, chervil (turnip rooted), chicory, dasheen (taro), parsnip, radish, Japanese radish (daikon), rutabaga, black salsify, sweet potato, tanier (cocoyam), turnip, true yam.

Bulb Vegetables (*Allium* spp.): Garlic, great-headed garlic, leek, onion (dry bulb or green), spring onion (scallion), Welsh onion, shallot.

Leafy Vegetables: Amaranth (leafy amaranth, Chinese spinach, tampala), arugula (roquette), celery, celtuce, chervil, corn salad, chrysanthemum (edible leaved), chrysanthemum (garland), cress (garden), cress (upland, yellow rocket, winter cress), dandelion, dock (sorrel), endive, escarole, fennel (Florence), lettuce (head and leaf), orach, parsley, purslane (garden and winter), rhubarb, romaine, spinach, fine spinach (Malabar, Ceylon), spinach (New Zealand), Swiss chard.

Brassica (Cole) Leafy Vegetables: Broccoli, broccoflower, cavalo-broccoli, Chinese broccoli (gailan), broccoli raab (rapini), Brussels sprouts, cabbage, Chinese cabbage (bok choy), Chinese cabbage (napa), Chinese mustard cabbage (gai choy), cauliflower, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, rape greens.

Legume Vegetables (Succulent or Dried): Adzuki beans, asparagus beans, black-eyed peas, broad beans (fava beans), catjang, chick peas (garbanzo beans), Chinese longbeans, cowpeas, crowder peas, field beans, guar, jackbeans, sword beans, kidney beans, lablab beans (hyacinth beans), lima beans, lentils, moth beans, mung beans, navy beans, peas (dwarf, edible, pod, English, garden green, field, snowpeas, sugar snap peas), pigeon peas, pinto beans, rice beans, runner beans, snap peas, southern peas, soybeans, grain lupin, sweet lupin, white lupin, pole beans, tepary beans, urd beans, wax beans, yardlong beans.

Legume Vegetable Foliage: Plant part of any legume vegetables included in the legume vegetable group that will be used as animal feed, including any variety of beans and field peas.

Fruiting Vegetables: Eggplant, ground cherry, pepino, peppers (bell, chili, cooking, pimento, sweet peppers), tomatillo, tomato.

Cucurbit Vegetables: Balsam pear (bitter melon), Chinese wax gourd (Chinese preserving melon), citron melon, cucumber, gherkins, edible gourd, melons (hybrids, ananas, canary, cantaloupe, casaba, charentais, Crenshaw, galia, honeydew, honeyballs, mangomelon, muskmelon, Persian melon, piel de sapo), pumpkin, squash (summer and winter), western shipper melon, watermelon (including hybrids, seeded and unseeded.)

Citrus Fruits: Calamondin, citrus citron, citrus hybrids, grapefruit, kumquat, lemon, lime, mandarin, tangerine, orange (sweet and sour), pummelo, satsuma mandarin.

Pome Fruits: Apple, crabapple, loquat, mayhaw, pear, Oriental pear, quince.

Stone Fruits: Apricot, cherries (sweet and sour), nectarine, peach, plum, prune, Chickasaw plum, Damson plum, Japanese plum, plumcot.

Small Fruits and Berries: Bingleberries, blackberries, blueberries, cranberries, currants, dewberries, elderberries, gooseberries, grapes, huckleberries, loganberries, lowberries, ollalieberries, black raspberries, red raspberries, strawberries, youngberries.

Tree Nuts: Almond, beech nut, Brazil nut, butternut, cashew, chestnut, chinquaoín, filbert (hazelnut), hickory nut, macadamia nut (bush nut), pecan, pistachio, walnut (black and English or Persian).

Oriental Vegetables: Japanese artichoke, Chinese broccoli (gailan), Chinese cabbage (bok choy), Chinese mustard cabbage (gai choy), dasheen, ginger, ginseng, Chinese longbeans, mung beans, citron melon, balsam pear (bitter melon), Japanese radish (daikon), Chinese spinach, Chinese wax gourd.

Cereal Grains: Barley, buckwheat, corn (sweet, pop and field), millet, proso, oats, pearl, rice, rye, sorghum (milo), teosinte, triticale, wheat, wild rice.

Forage, Fodder and Straw of Cereal Grains: Barley, buckwheat, corn (sweet, pop and field), millet, proso, oats, pearl, rice, rye, sorghum (milo), teosinte, triticale, wheat, wild rice.

Grasses for Seed, Forage, Fodder and Hay: Includes any grass (Graminaceae), green or cured, except sugar cane and those listed under “cereal grains”, that will be used to graze or feed livestock, such as pasture grasses, range grasses, grasses grown for hay or silage, Bermuda grass, bluegrass, brome grass, fescue, annual ryegrass, festulolium, hybrid ryegrass, Italian ryegrass, meadow fescue, orchard grass, Sudangrass, sorghum-Sudan, tall fescue, timothy, wheat hay, turfgrasses, bentgrass, Kentucky bluegrass, specialty grasses.

Non-Grass Animal Feeds: Alfalfa, velvet bean, clover, kudzu, lespedeza, lupin, Sainfoin, trefoil, crown vetch, milk vetch.

Herbs and Spices: Allspice, angelica, anise (anise seed), annatto, balm, basil, borage, burnet, chamomile, caper buds, caraway, black caraway, cardamom, cassia bark, cassia buds, catnip, celery seed, chervil, chive, Chinese chive, clary, cove bud, coriander (cilantro or Chinese parsley), coriander (cilantro) seed, costmary, cilantro, cumin, curry leaf, dill (weed, seed), fennel (Italian and sweet), fenugreek, grains of paradise, horehound, hyssop, juniper berry, lavender, lemongrass, lovage (leaf and seed), lace, marigold, marjoram (sweet, wild), mustard (seed), nasturtium, nutmeg, oregano, mint, paprika, parsley, pennyroyal, pepper (white or black), poppyseed, rosemary, rue, saffron, sage, savory (including summer or winter), sweet bay (bay leaf), tansy, tarragon, thyme, vanilla, watercress, wintergreen, woodruff, wormwood.

Additional Crops, cotton, (postharvest), peanuts,(postharvest).

Ground-Based Applications:

To kill ADULT MOSQUITOES, this concentrate is formulated to be used undiluted or diluted with a suitable oil diluent, such as, but not limited to, light mineral oil, deodorized kerosene or petroleum distillate, for use in cold fog aerosol generators. Applications may be made by mosquito control

programs to residential, industrial, recreational and agricultural areas, swamps, marshes, overgrown wastes areas, roadsides and pastures where adult mosquitoes occur.

Adjust spray equipment so that the volume median diameter is less than 30 microns ($D_{v0.5} < 30 \mu\text{m}$) and that 90% of the spray is contained in droplets smaller than 50 microns ($D_{v0.9} < 50 \mu\text{m}$). Use directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser-based measurement instrument to adjust equipment to produce acceptable droplet size spectra. Test application equipment at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated. Best results are expected from applications when the meteorological conditions favor an inversion of air temperatures in the area treated, and when the wind is not excessive. Apply only when wind speed is greater than or equal to 1 mph.

The maximum single application rate for wide area mosquito adulticide applications is 0.0025 lbs pyrethrin/acre, or 0.025 lbs piperonyl butoxide/acre, whichever is lower (6/7 oz undiluted or 45 oz of 2.5 oz diluted in 125.5 oz oil). When targeting *Aedes Taieirorhynchus* and other difficult species, applications may be made up to 0.008 lbs pyrethrin/acre/day, or 0.08 lbs piperonyl butoxide/acre/day, (2.8 oz undiluted or 35 oz of 8 oz diluted in 120 oz of oil) whichever is lower.

Do not apply more than 0.2 lbs pyrethrin/acre/year, or 2 lbs piperonyl butoxide/acre/year, (69 Oz undiluted) 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.

The above application for outdoor ground application will afford temporary reduction of annoyance in public gathering places (drive-in restaurants, drive-in theaters, golf courses, municipalities, sewers, parks, playgrounds and recreational areas). Direct application into tall grass, shrubbery and around lawns where these pests may hover or rest. Apply while air is still. Avoid wetting foliage. Apply prior to attendance.

Aerial Applications: Adjust spray equipment so that the volume median diameter produced is less than 60 microns ($D_{v0.5} < 60 \mu\text{m}$) and that 90% of the spray is contained in droplets smaller than 80 microns ($D_{v0.9} < 80 \mu\text{m}$). Consider the effects of flight speed, and for non-rotary nozzles, nozzle angle on the droplet size spectrum. Use directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a wind tunnel and laser-based measurement instrument to adjust equipment to produce acceptable droplet size spectra. Test application equipment at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

The maximum single application rate for aerial applications is 0.0025 lbs pyrethrin/acre, or 0.025 lbs piperonyl butoxide/acre, whichever is lower (6/7 oz undiluted or 45 oz of 2.5 oz diluted in 125.5 oz oil). When targeting *Aedes Taieirorhynchus* and other difficult species, applications may be made up to 0.008 lbs pyrethrin/acre/day, or 0.08 lbs piperonyl butoxide/acre/day, (2.8 oz undiluted or 35 oz of 8 oz diluted in 120 oz of oil) whichever is lower.

Release Height for Aerial Application:

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

Rotary: Apply using a nozzle height of no less than 75 feet from the ground or canopy.

Direct Application to Animals:

Use Restrictions

Do Not apply more than 1 time per day.

To protect beef and dairy cattle, and horses from HORN FLIES, MOSQUITOES, AND GNATS, dilute 1 part of concentrate plus 49 parts oil (refined kerosene) and mix well. Apply a light mist sufficient to wet the tips of the hair. To control STABLE FLIES, HORSE FLIES and DEER FLIES on beef and dairy cattle and horses: apply 2 fluid ounces per adult animal, sufficient to wet the hair but not to soak the hide.

To control the motile stages of BLOOD SUCKING LICE on beef and dairy cattle, apply the spray to thoroughly wet the hair. Use 2 fluid ounces or less per animal and repeat every 2 to 3 weeks as required.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: If container is damaged: stop any leaks by repositioning the container or by patching or otherwise repairing the leaks. Avoid contact with pesticide and wear protective gear. On cleanup of spilled liquids, wear protective equipment as required to prevent contact with the product or its vapors. Cover the spilled areas with generous amounts of absorbent material, such as clay, diatomaceous earth, sand, or sawdust. Sweep the contaminated absorbent onto a shovel and put the sweepings into a salvage drum. Dispose of wastes as below. Place any leaking container into a similar drum or glass container. Do not store, use, pour, or spill near heat or open flame.

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

CONTAINER HANDLING: {Containers that include dilutable use instructions} 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 $\frac{1}{4}$ full with solvent used to dilute product 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. Then offer for recycling or reconditioning, 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 $\frac{1}{4}$ full with solvent used to dilute the product. 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 two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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Manufactured for:
Central Garden & Pet Company
1501 East Woodfield Road 200W
Schaumburg, IL 60173