

2023-2551
2024-03-13

This label has been updated according to the re-evaluation decision of Pyrethrins RVD2023-06 and Piperonyl Butoxide RVD2023-07. While users are encouraged to follow this updated label immediately, the previously approved label is valid until "02/03/2025" in accordance with the phase out period set out in RVD2023-06 and RVD2023-07. This previously approved label will be provided upon request by emailing hc.pmra.info-arla.sc@canada.ca. In your email please include the product name and Registration number of the label you are requesting.

2023-2551
2024-03-13

PRO[®]
PROFESSIONAL 110 ULTRA-LOW VOLUME INSECTICIDE
SOLUTION

Concentrated insecticide for indoor use to kill listed pests in home and apartments, food processing and beverage plants, dairies, meat packing and processing plants, bakeries, tobacco storage and manufacturing areas, flour mills, grain elevators, cereal processing plants, feed mills, transportation vehicles, warehouses, industrial plants, restaurants, kitchens and cafeterias.

COMMERCIAL

REGISTRATION NO. 15330 PEST CONTROL PRODUCTS ACT

ACTIVE INGREDIENTS:

Pyrethrins1%
Piperonyl butoxide8%

READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 4 L

PREMIER TECH BRIGHTON LTD.
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Rivière-du-Loup, QC G5R 6C1
1-844-475-1262

2023-2551

2024-03-13

DIRECTIONS FOR USE: This premium fogging concentrate is formulated for use as a space treatment undiluted in ultra-low volume insecticide application equipment. It may also be applied diluted with base oil as a surface treatment with equipment capable of dispensing a coarse spray. For indoor use by pest control operators and other trained personnel at the following structures: home and apartments, food processing and beverage plants, dairies, meat packing and processing plants, bakeries, tobacco storage and manufacturing areas, flour mills, grain elevators, cereal processing plants, feed mills, transportation vehicles, warehouses, industrial plants, restaurants, kitchens and cafeterias.

FOR INDOOR USE AT LISTED STRUCTURES

Within the specified use location, to enhance effectiveness of this product, apply directly to the listed pests where possible. For all labelled uses, treatment must only be repeated after 7 days if pest problem persists or reoccurs. **DO NOT** exceed 12 applications per year. Ventilate treated areas after application either by opening windows and doors or through use of air exchange/ventilation systems confirmed to be operational. Use fans where required to aid in the circulation of air. Good sanitary practices should be maintained to prevent re-infestation.

How to Apply

DO NOT APPLY AS A BROADCAST TREATMENT. Apply as a space spray*, crack and crevice**, perimeter**, spot** or furniture (pet bedding, mattresses, box springs and bed frames only)** treatment only. ***DO NOT APPLY AS A SPACE SPRAY IN HOMES AND APARTMENTS. **SURFACE TREATMENTS AND FURNITURE TREATMENTS ARE PERMITTED IN HOMES, APARTMENTS, WAREHOUSES, INDUSTRIAL PLANTS, RESTAURANTS, KITCHENS AND CAFETERIAS ONLY.** Space spray application is a suspension of fine droplets (0.1 to 100 µm) in the air within an indoor space. Crack and crevice is an application directly into narrow openings on the surface of the structure. It does not include the treatment of exposed surfaces. Narrow openings typically occur at expansion joints, utility entry points and along baseboards and mouldings. Perimeter application is less than 0.3 m wide along the edges of a room to baseboards, wall-floor and ceiling-wall joints, and around doorways or windows. Spot application is localized to a surface area not more than 0.2 m². Spots are not to be adjoining. The combined area of spots is not to exceed 10% of the total surface area of a room. Furniture treatment: broadcast application covers large areas of the entire surface of items; crack and crevice treatments are applications to junction points on items; spot application is up to 10% of the surface of the item; and tuft and/or seam treatment (mattresses only) is to the junction of two or more pieces of fabric and any decorative trim (e.g., buttons).

GENERAL DIRECTIONS PRIOR TO THE TREATMENT OF LISTED STORED PRODUCT PESTS: Good sanitation is necessary for effective treatment of listed stored product pests. Before treatment, remove and dispose of all residues (e.g., deposits and accumulations of food/feed products, waste grain, debris, dust, dirt) and thoroughly vacuum and clean indoor structural surfaces, including walls, floors, ceilings, rafters and door frames; interior and exterior surfaces of conveying, processing and handling equipment; pantries, cabinets, drawers and shelves; and around stored product containers, especially in cracks and crevices (discard vacuum bag after use).

SPACE APPLICATION

GENERAL DIRECTIONS FOR SPACE APPLICATIONS: Close all windows and doors and shut off ventilating systems and sources of ignition before treatment. Use undiluted with ultra-low volume aerosol generator. When using handheld equipment, begin application at far side of the room and work backwards toward exit. After treatment, vacate the treated area and keep windows and doors closed for 30 minutes before ventilating. **DO NOT** remain in treated areas after application. **DO NOT** allow people or pets to enter treated areas until 2 hours after application. The commercial applicator is responsible for informing workers, the homeowner and others of this requirement.

- **For the control of Angoumois grain moths, Mediterranean flour moths, *Ephestia elutella* (chocolate moth, cocoa moth, or tobacco moth), cadelles, Indian meal moths, mealworms, carpet beetles, cheese mites, cheese skippers, grain mites, grain beetles, confused flour beetles, red flour beetles, granary weevils, and rice weevils:** Where heavy infestation exists, first fumigate infested area using a registered product intended for this purpose. Apply undiluted at the rate of 25-50 ml of concentrate per 100 m³ of space. Direct the fog to all parts of the room, especially around empty storage bins; conveying, processing and handling equipment (not in operation); and pallets, stacks of stored products and stored product containers.
- **For the control of cockroaches, spiders, ants, crickets and silverfish:** Apply undiluted at the rate of 100 ml of concentrate per 100 m³ of space. Direct the fog to all parts of the room, especially around pallets, stacks of stored products and stored product containers.
- **For the control of flies, mosquitoes and drosophila:** Apply undiluted at the rate of 25 to 50 ml of insecticide per 100 m³ of space. Direct the fog upward to all parts of the room, especially ceiling, upper corners of the room, windows and other light sources.
- **For the control of tobacco moths and cigarette beetles in tobacco manufacturing and storage areas:** Prior to treatment, post warning signs and take precautions to prevent workers and others from entering the area to be treated. Use undiluted at the rate of 50-100 ml of concentrate per 100 m³ of free space. Direct the fog to all parts of the room, especially around areas where knocked-down hogsheads are received and treated prior to being re-assembled. For the control of cigarette beetles, conduct spray program during the late afternoon or early evening hours (e.g., between 5 p.m. and midnight) when insect flight activity is greatest. After treatment, keep windows and doors closed for at least 2 hours before ventilating. Room temperature should read over 20°C for the best kill of listed insects.

SURFACE APPLICATION

GENERAL DIRECTIONS FOR SURFACE APPLICATIONS: Dilute 1 part concentrate to 3 parts of deodorized insecticide base oil. Apply at a rate of 45-50 ml of diluted product per m². **DO NOT** allow spray to drip or allow drift onto non-target surfaces. Use a coarse droplet size and low pressure spray not exceeding 345 kPa (50 psi) to avoid splashing onto non-target surfaces. **DO NOT** allow people or pets to enter treated areas until sprays have dried.

- **For the control of cockroaches, silverfish, crickets, spiders and ants:** Thoroughly treat indoor structural surfaces, including cracks and crevices in walls, floors and ceilings; along and behind baseboards; walls behind and floors beneath appliances (e.g., refrigerators and stoves) and furniture (e.g., cabinets and storage units); around sinks, drains and pipes; and localized areas around garbage cans. For ants, also spray trails, nests and points of entry (e.g., around windows and doors).

2023-2551

2024-03-13

- **For the control of carpet beetles:** Spray edges of carpeting and underneath carpets and rugs. Make localized applications to floors and baseboards. Spray directly into cracks, crevices and infested areas of shelving.
- **For the control of bed bugs: DO NOT** use on items which can be laundered (e.g., pillows, bedding, toys, clothing, etc.). Remove bedding before treating mattress. Spray mattress, particularly around tufts and seams. Take bed apart and spray the bed frame, springs and all joints. Treated mattress must be dry before replacing laundered bedding. Also apply to indoor structural surfaces, including cracks and crevices in walls, floors and ceilings; along and behind baseboards and mouldings; and localized areas of walls behind and floors beneath furniture (e.g., bed and nightstand).
- **For the control of fleas: DO NOT** apply to furniture (with the exception of pet bedding), mattresses, linens, toys or clothing. Apply to indoor structural surfaces, including cracks and crevices in walls and floors; along and behind baseboards; window and door frames; and localized areas of floors and floor coverings. Pet bedding may be entirely treated with this product or replaced with clean, fresh bedding after other listed areas are treated. **DO NOT SPRAY PETS WITH THIS PRODUCT.** Only treat pets with products specifically registered for use on that type of pet. For effective flea control indoors, clean any area used by the pet. Cleaning the areas includes vacuuming floors, carpets, furniture, etc. (discard vacuum bag after use) and washing the pet's bedding, living quarters, and surrounding area.
- **For the control of wasps and hornets in their nests:** The best time to apply the product to nests is in late evening or early morning, during cooler temperatures, and when most insects are at rest inside the nest. Observe for little activity around the nest opening. Stand at a safe distance of 2 to 2.5 m from the nest. **DO NOT** stand directly under the nest. Treated insects may fall out of the nest and die. First, spray into the opening of the nest. Then spray the rest of the nest until it is saturated. Allow sufficient time for insects to die. Any insects returning to the nest after treatment will be killed. Wait at least 48 hours or until no signs of activity before removing the nest.

USE LIMITATIONS: DO NOT apply when people or pets are present. **DO NOT** apply when a food/feed processing facility is in operation. **DO NOT** apply to surfaces that may come into contact with food/feed. Cover or remove all food/feed. Cover all food/feed processing surfaces, equipment and utensils or thoroughly wash them following treatment. Any food/feed accidentally contaminated with spray solution must be discarded. **DO NOT** apply to overhead areas or in confined spaces without appropriate respiratory and eye protection.

RESISTANCE MANAGEMENT RECOMMENDATIONS: For resistance management, PRO[®] PROFESSIONAL 110 ULTRA-LOW VOLUME INSECTICIDE contains a Group 3 insecticide. Any insect population may contain individuals naturally resistant to Group 3 insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same locations. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed. To delay insecticide resistance:

- Where possible, rotate the use of Group 3 insecticides with different groups that control the same pests in the location to be treated.
- Use tank mixtures with insecticides from a different group that is effective on the target pest when such use is permitted.

2023-2551

2024-03-13

- Insecticide use should be based on an IPM program that includes scouting and record keeping and considers cultural, biological and other control practices.
- Monitor treated pest populations for resistance development.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed. Avoid contact with skin and avoid inhalation of fog or spray. If entering treated areas prior to venting or before 2 h re-entry interval after application using a mechanically-pressurized handheld sprayer for mists, aerosols, and fogs (droplet sizes 0.1-100 µm) or stationary fogger, and for application using a mechanically-pressurized handheld sprayer for mists, aerosols, and fogs, wear chemical-resistant coveralls with a chemical-resistant hood over long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides. For mixing and loading, and application using all other application equipment, wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. **DO NOT** handle more than 4.2 L of undiluted product per person, per day when using a mechanically-pressurized handheld sprayer for mists, aerosols, and fogs (droplet size 0.1-100 µm). These restrictions are in place to minimize exposure to individual applicators. Application may need to be performed over multiple days or using multiple applicators. **DO NOT** pour or use near open flame. This product contains a petroleum distillate, which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. **DO NOT** contaminate these systems through direct application, disposal of waste or cleaning equipment.

FIRST AID: If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. **If in eyes,** hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice. **If inhaled,** move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice. **If swallowed,** call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Skin exposure may cause transient sensations (tingling, burning, itching, numbness). Other symptoms of exposure could include respiratory effects (such as cough, respiratory irritation, or shortness of breath), nausea, headache or dizziness. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. Treat symptomatically.

STORAGE: Store this product away from food or feed. Keep container closed. Store away from heat sources and open flame.

DISPOSAL: Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instruction for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product,

2023-2551
2024-03-13

contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.