

2024-04-24  
2023-3378

This label has been updated according to the re-evaluation decisions for 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 March 2, 2025 in accordance with the phase out period set out in the re-evaluation decisions for Pyrethrins RVD2023-06 and Piperonyl Butoxide RVD2023-07. This previously approved label will be provided upon request by emailing [pmra.info-arla@hc-sc.gc.ca](mailto:pmra.info-arla@hc-sc.gc.ca). In your email please include the product name and Registration number of the label you are requesting.

**KONK®****407****INSECTICIDE SPRAY WITH PYRETHRIN****PRESSURIZED/ COMMERCIAL**

**KILLS:** Flies, Mosquitoes, Wasps, Cockroaches, Ants, Crickets, Carpet Beetles, Centipedes, Millipedes, Sowbugs, Spiders, Silverfish, Indian Meal Moths, Angoumois Grain Moths, Confused Flour Beetles, Sawtoothed Grain Beetles, Granary Weevils, Rice weevils, Red Flour Beetles, , Grain Mites, Bed Bugs, and Fleas.

For indoor use at Food handling Establishments, Meat Packing and Food Processing Plants, Food Storage Areas, Food Transportation Vehicles, Commercial or Institutional Kitchens, Dining Areas and Pantries of Restaurants, Supermarkets, Bottling Plants, Hospitals, Hotels, Motels, Homes, Stores, Nursing Homes, Day-care Centers, Campgrounds, Buses, Trains and Ships to kill listed pests.

For outdoor use near listed structures and in campgrounds to kill fleas and mosquitoes.

**ACTIVE INGREDIENTS**

Pyrethrins	1.00%
Piperonyl butoxide technical	2.00%
N-Octyl bicycloheptene dicarboximide	3.33%

**REGISTRATION NO. 24875 PEST CONTROL PRODUCTS ACT****READ THE LABEL BEFORE USING**

**DANGER**  
**EXTREMELY FLAMMABLE EXPLOSIVE**

**Net contents 454 g**

Acuity Holdings, Inc.  
11627 - 178 STREET  
EDMONTON AB T5S 1N6  
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**DIRECTIONS FOR USE:** Hold container upright while spraying. Keep spray at least 1 metre from interior walls, fabric and furniture. Sweep up and destroy dead insects when possible. 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. When applied indoors, good sanitary practices should be maintained to prevent reinfestation.

#### Locations of Use

KONK 407 INSECTICIDE SPRAY WITH PYRETHRIN may be used in the following structures: food transportation vehicles, buses, trains, ships, food handling establishments, meat packing and food processing plants, bottling plants, food storage areas, commercial and institutional kitchens, dining areas and pantries of restaurants, supermarkets, stores, hospitals, hotels, motels, nursing homes, daycare centres and homes. May also be used outdoors around listed structures and on campgrounds.

#### Use Limitations for All Uses

- **DO NOT** apply to people, pets, livestock or sources of electricity.
- **DO NOT** apply when people or pets are present. In hospitals, **DO NOT** use in nurseries or rooms where infants, ill, or aged persons are confined. In nursing homes, **DO NOT** use in rooms where ill or aged persons are confined.
- **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. In food storage areas, remove food products from shelves and racks. Any food/feed accidentally contaminated with spray solution must be discarded.
- When applied indoors: **DO NOT** apply to overhead areas or in confined spaces without appropriate respiratory and eye protection. Ventilate treated areas after application either by opening windows and doors or using fans, where required, to aid in the circulation of air. Air exchange/ventilation systems confirmed to be operational may also be used.
- When applied indoors as a space treatment: **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.
- When indoors as a surface treatment: **DO NOT** allow spray to drip or allow drift onto non-target surfaces. **DO NOT** allow people or pets to enter treated areas until sprays have dried.
- When applied outdoors: **DO NOT** apply in areas where plants are grown for food or feed (e.g., vegetables, fruit, herbs). As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.
- **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

#### **FOR INDOOR USE AT LISTED STRUCTURES**

##### How to Apply

**DO NOT APPLY AS A BROADCAST OR PERIMETER TREATMENT.** Apply as a space spray, crack and crevice, spot, void or furniture (pet bedding, mattresses, box springs, bed frames and bookcases only) treatment only. Space application is a suspension of fine droplets 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. Spot application is localized to a surface area not more than 0.2 m<sup>2</sup>. Spots are not to be adjoining and the combined area of spots is not to exceed 10% of the total surface area of a room. Void application applies to inaccessible, enclosed empty spaces of a structure. For example, hollow walls and suspended ceilings. Furniture treatment: broadcast application covers large areas or 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. 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 15 minutes before ventilating. For further ventilation and re-entry requirements, see “Use Limitations for All Uses” (above).

**To kill flies, mosquitoes and wasps:** Calculate cubic meters of space to be treated. While holding can at arm’s length, spray upward in sweeping motion to all parts of the room, especially ceiling, upper corners of the room, windows and other light sources. Apply for 2-3 seconds per 30 cubic meters of space.

**To kill Indian meal moths and Angoumois grain moths:** While holding can at arm’s length, direct the spray to all parts of the room, especially around pallets, stacks of stored products and stored product containers. Apply for 2-3 seconds per 30 cubic meters of space.

#### **SURFACE APPLICATION:**

**GENERAL DIRECTIONS FOR SURFACE TREATMENTS: DO NOT exceed 3 seconds of spray per m<sup>2</sup>.**

**To kill cockroaches, ants, spiders, silverfish and crickets:** Open all cabinets, storage areas and closets. 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; localized areas around garbage cans; points of entry (e.g., around windows and doors); and other structural elements where listed insects hide.

**For ants,** also spray trails and nests for 10-15 seconds per 9 square meters of floor area.

**For spiders and silverfish,** also spray the cracks and crevices in bookcases. Remove all objects before treatment of bookcases where books, clothing, toys, towels and other items are stored. Treated bookcases must be dry before replacing stored items.

**To kill carpet beetles:** Spray edges of carpeting and under carpeting and rugs. Make localized applications to floors and baseboards. Spray directly into cracks, crevices and infested areas of shelving.

**For use in food storage areas to kill confused flour beetles, saw-toothed grain beetles, granary weevils, rice weevils, red flour beetles and grain mites:** Thoroughly treat indoor structural surfaces, including walls, floors and ceilings; empty shelves and racks; food processing and handling equipment (not in operation); and other structural elements where listed insects hide, directing the spray into cracks and crevices. Also spray localized areas around cartons or stored product containers. Spray 5 seconds for each 9 square meters of surface. Keep area closed for 45 minutes to 1 hour after treatment. Treated shelves and racks or equipment must be dry before replacing stored items or before operating.

**To kill bed bugs: DO NOT** use on items which can be laundered (e.g., pillows, bedding, toys, clothing, etc.). Before treatment of mattress, remove all objects, specifically bedding and clothing, and thoroughly vacuum. 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).

**To kill 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 and tick 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

**TREATMENT OF INACCESSIBLE VOIDS (attics, false ceilings, wall and equipment voids): To kill ants, centipedes, millipedes, cockroaches, crickets, silverfish, sowbugs and spiders:** Calculate void volume and treat at a rate of 7 seconds per 30 cubic meters. Spray by placing injection tip into crack or crevice, hole or other small opening into void space. Care should be taken to avoid the pesticide exiting the void. Any residue deposits on non-target surfaces must be removed by the applicator

**FOR OUTDOOR USE NEAR LISTED STRUCTURES AND IN CAMPGROUNDS TO KILL FLEAS AND MOSQUITOES**

Spray the ground in wide swaths across open area to be treated. Apply at a rate of 20-30 seconds per 0.4 hectare. Within the treatment area, also thoroughly spray any vegetation, including shrubbery and tall grasses, where listed pests may rest. Allow spray to penetrate dense foliage. **DO NOT** wet vegetation to the point of runoff or drip. Best results are obtained when temperature is 24 °C or less and there is a wind speed of 8 km per hour or less. Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction and temperature inversions.

**PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.** Harmful if swallowed or absorbed through skin. Avoid breathing of vapors or spray mist. Avoid contact with skin or eyes. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during application, clean-up and repair. During any volumetric treatment, wear an approved pesticide respirator. **CONTENTS UNDER PRESSURE. DO NOT** puncture or incinerate container. **DO NOT** use or store near heat or open flame. Exposure to temperatures above 50 degrees C may cause bursting. **DO NOT** spray on plastic, painted or varnished surfaces or directly into electronic equipment such as radios, TVs, computers, etc. Remove birds and cover fish aquariums before spraying.

**FIRST AID:** 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 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 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. 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. 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. Treat symptomatically. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

**ENVIRONMENTAL PRECAUTIONS:** This product contains active ingredients and aromatic petroleum distillates which are toxic to aquatic organisms. Toxic to bees. Avoid application around blooming plants. If applications must be made during the blooming period, restrict applications to evening when most bees are not foraging. Toxic to beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize exposure to non-target areas.

**STORAGE:** Store this product away from food or feed

**DISPOSAL:** When container is empty, press valve to release all remaining pressure. Dispose of empty container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for information on the clean-up of spills.

### **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, KONK 407 INSECTICIDE SPRAY WITH PYRETHRIN contains a Group 3 insecticide. Any insect population may contain individuals naturally resistant to KONK 407 INSECTICIDE SPRAY WITH PYRETHRIN and other 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 KONK 407 INSECTICIDE SPRAY WITH PYRETHRIN or other Group 3 insecticides with different groups that control the same pests in the location to be treated.
- Insecticide use should be based on an IPM program that includes scouting and record keeping, and considers cultural, biological and other chemical control practices.
- Monitor treated pest populations for resistance development.
- 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 Acuity Holdings, Inc. at 877-428-9937.

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