

2023-2686
2024-03-19

This label has been updated according to the re-evaluation decisions 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 03-02-2025 in accordance with the phase out period set out in the re-evaluation/special review decisions of Pyrethrins RVD2023-06 and Piperonyl Butoxide 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.

Neogen Corporation
620 Leshor Place
Lansing, MI 48912
Medical: 1-800-498-5743
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COMMERCIAL
NET CONTENTS: XX g (xx ounce)
READ THE LABEL BEFORE USING
REG. No.: 31960
PEST CONTROL PRODUCTS ACT



Prozap[®] LD 44Z Dairy Bomb

Contains the botanical insecticide, Pyrethrum.

Quick killing pyrethrin controls crawling and flying insects in the dairies, barns, storage sites and other listed areas

For indoor use at listed structures housing livestock or poultry, listed food/feed handling establishments, listed modes of transport and other listed structures to control listed pests. **DO NOT** apply in residential areas. For outdoor use around listed structures to control adult mosquitoes, biting midges (no-see-ums) and flies. For use on beef and dairy cattle (lactating and non-lactating), horses, goats, sheep and hogs to control listed pests. For indoor use at poultry houses and for use on poultry to control poultry lice, darkling beetles, bed bugs, and mites.

ACTIVE INGREDIENT:

Pyrethrins	0.50%
Piperonyl Butoxide	4.80%

CAUTION



POISON



EXPLOSIVE

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.

FIRST AID:

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 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.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. Treat symptomatically.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Not for use on humans. Avoid inhalation of spray. Harmful if absorbed through skin. Avoid contact with skin and eyes and clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear a long-sleeved shirt, long pants, chemical resistant gloves, socks and shoes during application, clean-up and repair. Wash after use. **DO NOT** remain in treated areas. Ensure proper ventilation after sealed areas have been treated. **DO NOT** contaminate food or feed. **DO NOT** contaminate feed or water troughs. **DO NOT** spray over milk or milking equipment. Cover milk and milking utensils to prevent contamination from spray and dead insects. Any treated surface that may contact food or feed products should be washed thoroughly with potable water after spraying and before re-use. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

Contents under pressure. **DO NOT** place in hot water or near radiators, stoves, or other sources of heat. **DO NOT** puncture or incinerate container or store at temperatures over 50°C. **DO NOT** spray near open flame, spark, or while smoking. **DO NOT** use this product in or on electrical equipment due to possibility of shock hazard. **DO NOT** use in areas where bee-keeping equipment or supplies are stored.

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. Product toxic to fish. **DO NOT** contaminate any body of water. 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.

DIRECTIONS FOR USE

READ ALL DIRECTIONS COMPLETELY BEFORE USE. SHAKE BEFORE USE AND AT INTERVALS DURING PROLONGED USE. Hold container upright with nozzle away from face. Press valve down and spray as directed.

Prozap LD 44Z Dairy Bomb contains the quick killing botanical insecticide, Pyrethrum, which provides effective control of listed insects in listed locations of use and on listed livestock upon direct contact.

KEEP OUT OF REACH OF UNAUTHORIZED PERSONNEL

Locations of Use

Prozap LD 44Z Dairy Bomb can be used indoors and outdoors around the following structures*:

STRUCTURES HOUSING LIVESTOCK OR POULTRY: livestock living quarters, dairy barns, beef barns, calving barns, stables, horse stables, hog barns, swine houses, poultry houses, livestock holding areas, goat holding areas, sheep holding areas, loafing sheds;

FOOD/FEED HANDLING ESTABLISHMENTS: milking parlours, milk rooms, milk houses, dairies, canneries, food warehouses, dried fruit storage areas, grain warehouses, grain elevators, rice mills, wheat mills, seed warehouses, tobacco warehouses;

MODES OF TRANSPORT: cargo ships, trailers, trucks;

OTHER STRUCTURES: barns, commercial buildings, farm structures, kennels, storage areas, utility rooms, veterinaries, warehouses and washrooms.

***DO NOT** apply in residential areas. Residential areas are defined as any use site where the general public, including children, could be exposed during or after application. For structural uses, in residential sites, this includes homes, schools, restaurants, public buildings, modes of transport in areas where passengers are present, or any other areas where the general public including children may potentially be exposed.

Prozap LD 44Z Dairy Bomb can also be used for quick kill of listed pests on beef cattle, dairy cattle (lactating and non-lactating), horses, hogs, sheep, goats and poultry.

Use Limitations for All Uses

- **DO NOT** apply when people or pets are present. Additionally for indoor space applications, **DO NOT** apply when livestock (with exception of poultry) are present.
- **DO NOT** apply when a food/feed processing facility, milking parlour, milk house or milk room is in operation.
- **DO NOT** apply to surfaces that may come into contact with food/feed. Cover or remove all food/feed (including bulk tanks that contain milk). Cover or remove all milking equipment and thoroughly wash before use. Cover all food/feed processing surfaces, equipment and utensils or thoroughly wash them following treatment. Any food/feed (including milk) 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. **DO NOT** allow spray to drip or allow drift onto non-target surfaces. 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 spray: **DO NOT** remain in treated areas after an indoor space application; **DO NOT** allow people, pets or livestock (with exception of poultry) to enter treated areas until 2 hours after application. The commercial applicator is responsible for informing workers and others of this requirement.
- When indoors as a surface spray: **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).

FOR INDOOR USE AT LISTED STRUCTURES

BUILDINGS STRUCTURES HOUSING ANIMALS LIVESTOCK OR POULTRY: ANIMAL LIVESTOCK LIVING QUARTERS, DAIRY BARNs, BEEF BARNs, CALVING BARNs, STABLEs, HORSE STABLEs, HOG BARNs, SWINE HOUSEs, POULTRY HOUSEs, LIVESTOCK HOLDING AREAs, GOAT HOLDING AREAs, SHEEP HOLDING AREAs, LOAFING SHEDs; FOOD/FEED HANDLING ESTABLISHMENTS: MILKING PARLOURs, MILK ROOMs, MILK HOUSEs, DAIRIES, CANNERIES, FOOD WAREHOUSEs, DRIED FRUIT STORAGE AREAs, GRAIN WAREHOUSEs, GRAIN ELEVATORS, RICE MILLS, WHEAT MILLS, SEED WAREHOUSEs, TOBACCO WAREHOUSEs; MODES OF TRANSPORT: CARGO SHIPs, TRAILERs, TRUCKs; OTHER STRUCTUREs: BARNs, COMMERCIAL BUILDINGs, FARM STRUCTUREs, KENNELs, STORAGE AREAs, UTILITY ROOMs, VETERINARIES, WAREHOUSEs, WASHROOMs* ***DO NOT** apply in residential areas.

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. Good sanitary practices should be maintained to prevent re-infestation.

How to Apply

Apply as a space spray, crack and crevice, perimeter*, spot, broadcast* or furniture (listed storage furniture only) treatment. ***PERIMETER AND BROADCAST TREATMENTS ARE PERMITTED IN POULTRY HOUSES 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. Perimeter application in poultry houses 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 and the combined area of spots is not to exceed 10% of the total surface area of a room. Broadcast application in poultry houses is to broad expanses of indoor structural surfaces such as walls, floors, ceilings and indoor foundation walls/crawlspaces. Furniture treatment: *broadcast application* covers large areas of the entire surface of items; *crack and crevice treatments* are applications to junction points on items; and *spot application* is up to 10% of the surface of the item.

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: To control Flies, Mosquitoes, Biting midges (no-see-ums), House fly, Lesser house fly, Stable fly, Horse fly, Deer fly, Horn fly, Black fly, Indian meal moth, Angoumois grain moth, Tobacco moth, Clothes moth, Chocolate moth, Almond moth, Miller moth: Before using as a space spray in structures with livestock, remove all livestock, with exception of poultry, from area to be treated. Close all windows and doors and shut off all ventilating systems and sources of ignition before treatment. While holding can upright at arm's length, direct the spray in sweeping motion to all parts of the room, especially upward to ceiling, upper corners of the room, windows and other light sources, and around pallets, stacks of stored products and stored product containers, and not directly towards poultry. Begin application at far side of the room and work backwards toward exit. Spray at the rate of 5 to 10 seconds per 28 cubic meters of space directing the spray toward the ceiling and upper corners and not directly towards the animals or birds. For best results, close doors and windows if possible before spraying. **DO NOT** exceed 1.83 g/m³ of room space. **DO NOT** exceed 5-10 seconds per 30 m³. The application rate of space spray applications while poultry are present is to be limited to 0.12 g PBU/m³ or less. Vacate the treated area and keep windows and doors closed for 10 to 15 minutes before ventilating. For ventilation and re-entry requirements, see "Use Limitations for All Uses" (above). After the re-entry interval has passed, clean up dead insects.

SURFACE APPLICATION:

GENERAL DIRECTIONS FOR SURFACE TREATMENTS: Apply spray at the rate of 5 to 10 seconds for average size room [300 cubic meters] [300 cm x 366 cm x 243 cm].

Keep area closed for 45 minutes after treatment. Ventilate room 20 minutes before re-entry.

To control cockroaches (brown banded cockroach, German cockroach, American cockroach, Oriental cockroach), crickets, firebrat, silverfish, booklice, spiders, centipedes, sowbugs, pillbugs, earwigs, clover mites, millipedes, ants, pharaoh ants and carpenter ants (Eastern and Western): Thoroughly treat indoor structural surfaces, including cracks and crevices in walls, floors and ceilings; along and behind baseboards; around water pipes and tanks; walls behind and floors beneath appliances (e.g., refrigerators and stoves) and furniture (e.g., cabinets, storage units, bookcases); around sinks, drains and pipes; localized areas around garbage cans and dumpsters; and other structural elements where listed pests congregate. Also spray the interior and exterior surfaces of garbage cans and dumpsters. For ants, pharaoh ants, and carpenter ants, also spray trails, nests and areas of entry (e.g., around windows and doors).

For use in canneries, food warehouses and dried fruit storage areas to control Flies, Mosquitoes, Biting midges (no-see-ums), House fly, Lesser house fly, Stable fly, Horse fly, Deer fly, Horn fly, Black fly, Indian meal moth, Angoumois grain moth, Tobacco moth, Clothes moth, Chocolate moth, Almond moth, and Miller moth: After sanitation measures have been performed, thoroughly treat indoor structural surfaces, including walls, floors and ceilings; empty cabinets, drawers and shelves; food processing and handling equipment (not in operation); and other structural elements where listed pests congregate, directing the spray into cracks and crevices. Also spray localized areas around cartons or stored product containers. Treated cabinets, drawers and shelves or equipment must be dry before replacing stored items or before operating.

For use in grain storage sites of grain warehouses, grain elevators, rice mills, wheat mills, seed warehouses, farms and listed modes of transport to control the stored product pests listed above: This product can be used in warehouse bins, grain or hopper bins, truck beds and cargo ships' holds as a cleanup prior to using them for storage or for transit. This product can also be used to treat conveying equipment.

In mills and elevators, remove all accumulations of infested grain from bins. Thoroughly clean walls, rafters, floors and door frames, and all storage and conveying equipment by sweeping or vacuuming the waste grain, cobwebs and other debris, with special attention to material lodged in cracks and crevices. Remove and burn all of the debris to kill eggs and insects that might be present.

For farms, give particular attention to cleaning up around used feed and grain bags, grain residues from wagons, harvesting equipment and feed troughs. **DO NOT** place newly harvested grain in the same bin with carry-over grain. All carry-over grain stocks that are not treated with grain protectant should be fumigated using a registered product intended for this purpose. Perform these cleaning operations within two or three weeks before harvest.

After above sanitation measures have been performed and prior to use for storage or for transit, thoroughly treat conveying equipment (not in operation) and indoor surfaces of empty structures, including walls, floors and ceilings, and along partition boards, paying particular attention to forcing the spray into all cracks and crevices. Treated warehouse bins, equipment and surfaces of listed storage structures must be dry prior to use for storage or for loading prior to transit.

For use in poultry houses and on poultry to control poultry lice and darkling beetles: Thoroughly spray roosts, walls and nests or cages. **DO NOT** exceed 11.1g per m². After treating the structural surfaces of the poultry house, spray product over the poultry. **DO NOT** exceed 2.5 g/m³.

For use in poultry houses and on poultry to control bed bugs and mites: Thoroughly spray crevices of roost poles, cracks in walls and cracks in nests where the bedbugs and mites hide. **DO NOT** exceed 11.1 g per m². After treating the structural

surfaces of the poultry house, spray product over the poultry. **DO NOT** exceed 2.5 g/m³.

FOR OUTDOOR USE TO CONTROL ADULT MOSQUITOES, BITING MIDGES (NO-SEE-UMS) AND FLIES

For use in listed outdoor areas prior to occupation to reduce annoyance from listed pests. Apply as a space spray around patios, porches and gazebos of listed structures and around surrounding vegetation, including shrubbery and tall grasses, where listed pests may rest. To enhance effectiveness of this product, apply directly to the listed pest where possible. For best results, treat when the wind velocity does not exceed 8 km per hour. 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. Treatment must only be repeated after 7 days if pest problem persists or reoccurs.

FOR USE ON Beef and Dairy Cattle (Lactating and non-lactating), Horses, Sheep, Goats, and Hogs.

Use Limitations

- **DO NOT** exceed 44.0g per animal per treatment (22.0g on each side).
- **DO NOT** treat eyes/eyelids and mucous membranes (e.g., nose, mouth, genitals).
- **DO NOT** use on sick animals or animals under drug or pesticide treatment. Before use on pregnant animals, consult a veterinarian.
- Discontinue use if animal develops irritation after treatment with this product.
- When applied to dairy cattle: Treat dairy cattle at least 20 minutes before milking. **DO NOT** spray directly on udders. Wash udders before milking.
- When applied to horses: **DO NOT** cover horses immediately after treating/after treatment. **DO NOT** apply to back of horses prior to saddling.
- **DO NOT** contact treated animals until sprays have dried.

To protect listed livestock from attacks and to kill stable flies, horse flies, deer flies, horn flies, house flies, lesser house flies, mosquitoes and biting midges (no-see-ums): Apply a light, uniform spray at the rate of 22g on each side of the animal, taking care to treat back, withers and forelongs. Thoroughly coat the hair of the animal - **DO NOT** wet the skin. **DO NOT** apply as a spray to the face of the animal. To treat the face, moisten (not to the point of dripping) a clean, soft cloth with product and thoroughly rub the moistened cloth on the face of the animal, being certain to avoid contact with the eyes/eyelids and mucous membranes. **DO NOT** apply more than once per day during peak fly season. **DO NOT** apply more than once a week during non-peak fly season. Treatment must only be repeated if pest problem persists or reoccurs.

To protect listed livestock from face flies: **DO NOT** apply as a spray to the face of the animal. Moisten (not to the point of dripping) a clean, soft cloth with product and thoroughly rub the moistened cloth on the face of the animal, being certain to avoid contact with the eyes/eyelids and mucous membranes. **DO NOT** apply more than once per day during peak fly season. **DO NOT** apply more than once a week during non-peak fly season. Treatment must only be repeated if pest problem persists or reoccurs.

To control biting and sucking lice and to kill fleas and Ixodid ticks on listed livestock: Apply a light, uniform spray at the rate of 44.0g per animal per treatment (22.0g on each side) to infested areas of the animal (including brush of the tail, if applicable), except the face. Thoroughly coat the hair of the animal - **DO NOT** wet the skin. Use a stiff brush to get the spray down to the base of the hair. To treat the face of the animal, moisten (not to the point of dripping) a clean, soft cloth with product and thoroughly rub the moistened cloth on the face of the animal, being certain to avoid contact with the eyes/eyelids and mucous membranes. Repeat treatment in 10 days to kill newly hatched lice.

Treatment must only be repeated if pest problem persists or reoccurs. Treatment must only be repeated after 7 days if pest problem persists or reoccurs.

To control sheep "tick" or ked on sheep: Apply a light, uniform spray at the rate of 44.0g (22.0g on each side) per sheep to cover all portions of the sheep's body, except the face. Thoroughly coat the wool of the sheep - **DO NOT** wet the skin. To treat the face of the sheep, moisten (not to the point of dripping) a clean, soft cloth with product and thoroughly rub the moistened cloth on the face of the sheep, being certain to avoid contact with the eyes/eyelids and mucous membranes. Treatment must only be repeated after 7 days if pest problem persists or reoccurs.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Prozap LD 44Z Dairy Bomb contains a Group 3 insecticide. Any insect population may contain individuals naturally resistant to Prozap LD 44Z Dairy Bomb 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 Prozap Annihilator-XP or other Group 3 insecticides with different groups that control the same pests in the location to be treated.
- Where possible, rotate the use of Prozap Annihilator-XP or other 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.
- 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 your Neogen representatives at 1-800-621-8829.

STORAGE: Contents under pressure. **DO NOT** use or store near heat or open flame. **DO NOT** puncture or incinerate container. Exposure to temperature above 50°C may cause bursting. **DO NOT** contaminate water, food or feed by storage or disposal. Store away from food or feed. Store in a cool, dry place. Keep container closed.

DISPOSAL: When container is empty, press valve to release all remaining pressure. Dispose of empty container in accordance with provincial requirements. **DO NOT** puncture or incinerate. 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 clean-up of spills.