

Label

Use/Dose

White papers

Coupons

Other

Image

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Every effort has been made to ensure the accuracy of the information published. However, it remains the responsibility of the readers to familiarize themselves with the product information contained on the Canada product label or package insert.

Ectiban® 25 FLY-KILLER

Merck Animal Health

SURFACE SPRAY

GROUP 3 INSECTICIDE

HORN FLIES

FACE FLIES

BLACK FLIES/MOSQUITOES

LICE

AGRICULTURAL

PYRETHROID INSECTICIDE/EMULSIFIABLE CONCENTRATE

KEEP OUT OF REACH OF CHILDREN

READ LABEL BEFORE USING

ACTIVE INGREDIENT: Permethrin 240 g per litre

REGISTRATION NO. 15701 PEST CONTROL PRODUCTS ACT

DIRECTIONS FOR USE

RESIDUAL PREMISE SPRAY: For Milking Parlors and Holding Rooms, Poultry Houses, Stables, Swine and Livestock Housing to control FLIES and STABLE FLIES.

Dilute Sprayer - Dilute 20 mL of ECTIBAN® 25 with 2.5 L of water and apply to 100 m² of structural surface.

Electric Mist Sprayer - Dilute 20 mL of ECTIBAN 25 with 75 mL diesel oil or water for each 100 m² to be sprayed. Direct spray at surface from a distance of 2 to 2.4 m while spraying. WEAR A CARTRIDGE OR DUST MASK TO AVOID BREATHING SPRAY MIST. Remove animals before spraying and leave an hour interval before re-entry.

The use of any residual fly spray should be supplemented with proper sanitation including elimination of fly breeding sites. Do not apply the above spray mixes directly to animals or poultry. Follow directions below for direct application to livestock and poultry. Do not spray where food or feed products are present. Do not apply as a space treatment. Do not contaminate milk or milk handling equipment. In dairies, apply when not in operation. Thoroughly clean all milk utensils before resuming operations.

TOPICAL APPLICATIONS

(1) SPRAY APPLICATION

Dairy Cattle -	Non lactating Do not apply within 30 days of freshening. Leave a seven day interval between last spray and slaughter.	
Insects	Rate	Application
Horn Flies Face Flies Black Flies Mosquitoes	Mix 200 mL with 100 L water in a sprayer.	Apply 1 to 2 L of spray mix per animal over whole body. For horn and face flies, retreat as needed, but not more often than once every two weeks. For black flies and mosquitoes, repeat applications may be required after 8 days.
Horn Flies Face Flies	Mix 20 mL with 1 L water in a low pressure sprayer.	Apply 25 to 50 mL of spray mix per animal. Apply to face and shoulders. Repeat as needed, but not more often than once every two weeks.
Lice	Mix 200 mL with 400 L water in a sprayer.	Spray until entire animal is thoroughly covered. A second treatment at 14 to 21 days is recommended.
Beef Cattle	Mix 200 mL with 400 L water in a sprayer.	Spray until entire animal is thoroughly covered. For lice, a second treatment at 14 to 21 days is recommended. For black flies and mosquitoes, repeat applications may be required after 8 days. Leave a

Horn Flies, Face Flies, Lice, Black Flies, Mosquitoes		seven day interval between last spray and slaughter.
Rocky Mountain Wood Tick	Mix 200 mL product with 100 L water in a high pressure sprayer (1.5 g active/animal/application).	Spray up to 3 L of mixture along the top line, from head to tail of the animal, using sufficient pressure to penetrate to the skin. Apply treatment at time of entry into a tick infested pasture. A second treatment 2 - 3 weeks later is recommended if paralysis due to tick infestation is observed.
Sheep Sheep Ked	Mix 200 mL with 50 L water in a sprayer.	Spray until entire animal is thoroughly covered. Do not exceed a maximum of 150 mL of spray solution per animal. One application per year. Treatment is in fall or winter before lambing and shearing. Do not treat sick animals. Do not contaminate feed or watering areas. Do not apply to lambs or sheep within 90 days of slaughter.
Poultry Northern Fowl Mites	Mix 200 mL with 100 L water in a sprayer.	Apply 4 L of spray mix to each 100 birds. Spray from below to ensure thorough treatment of the vent area. Do not slaughter within 7 days of treatment.

(2) BACK-RUBBER/SELF TREATMENT OILERS (Pest-Doom, Lewis)

For treatment of beef cattle in pasture or range situations with oilers placed under free or forced-use conditions. Not For Use With Lactating Dairy cattle.

Insects	Dose	Application
Beef Cattle Black Flies Mosquitoes	Dilute 200 mL with 10 L lightweight oil	Calibrate self-treatment oilers so the rate per animal does not exceed 0.125 g permethrin per animal per day. Utilize a one day holding period between termination of use and slaughter.

RESISTANCE MANAGEMENT RECOMMENDATIONS: ECTIBAN 25 Fly Killer contains the synthetic pyrethroid permethrin (a Group 3 Insecticide).

Any insect population may contain individuals naturally resistant to permethrin and to other Group 3 Insecticides. Continuous or repeated exposure to insecticides of this group rapidly selects for resistant pests, eventually leading to the failure of the insecticide to provide satisfactory control.

Permethrin resistance has already been recorded in horn fly populations in Canada. The use of this product should therefore conform to current resistance management strategies.

To delay insecticide resistance:

1. Where possible, rotate the use of ECTIBAN 25 Insecticide with insecticides of other groups that control the same pests in a field.
2. Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
3. Monitor treated pest populations for resistance development.
4. Consult with local provincial authorities and extension specialist for advice on any additional pesticide resistance-management and/or IPM strategies to control cattle pest populations in your area.
5. For further information or to report suspected resistance contact Intervet Canada Corp. at (866) 683-7838.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. HARMFUL IF SWALLOWED. Do not get in eyes. Wash thoroughly after handling.

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

TOXICOLOGICAL INFORMATION: Inducing vomiting as a first aid for this slightly toxic substance may result in increased risk of chemical pneumonia or pulmonary edema caused by aspiration of the hydrocarbon solvent. Vomiting should be induced only under professional supervision.

STORAGE AND DISPOSAL: Keep container closed when not in use. Do not store near food or feed. Triple- or pressure-rinse the empty container thoroughly and add the rinsings to the spray mixture in the tank. Follow provincial instructions 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. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. 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.

ENVIRONMENTAL HAZARDS: This product is very toxic to fish. Do not apply when weather conditions favor drift from target area. Do not contaminate water by cleaning of equipment or disposal of wastes. 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.

PHYSICAL OR CHEMICAL HAZARDS: Do not use or store near heat or open flames.

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.

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