



**MERCK ANIMAL HEALTH**  
**Intervet Canada Corp.**  
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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.

## **BOSS® POUR-ON**

### **Merck Animal Health**

#### **Insecticide**

#### **Solution**

#### **GROUP 3 INSECTICIDE**

Non-Systemic Pour-On to Control Biting Lice, Sucking Lice, Horn Flies and Rocky Mountain Wood Ticks on Beef, Lactating and Non-Lactating Dairy Cattle and **Sheep Keds and Lice on Sheep.**

ACTIVE INGREDIENT: Permethrin 5.0% w/w.

AGRICULTURAL

REGISTRATION NO. 25488 PEST CONTROL PRODUCTS ACT.

CAUTION - IRRITATING TO SKIN AND EYES.

READ THE LABEL BEFORE USING.

KEEP OUT OF REACH OF CHILDREN.

#### **DIRECTIONS FOR USE**

**BOSS POUR-ON** is ready to use. No dilution is necessary.

**Cattle:** For control of biting lice, sucking lice, horn flies and Rocky Mountain Wood Ticks (*Dermacentor andersoni*). Apply 3 mL (1/10 fl. oz) per 45 kg (100 lbs) body weight up to a maximum of 30 mL (1 fl. oz) for one animal. Pour along the back and down the face taking care to avoid the eyes and mouth. Alternatively BOSS POUR-ON may be applied to the face with a cloth that is slightly moistened with the product. For control of Rocky Mountain Wood Ticks apply topically at time of entry into tick infested pastures. Repeat treatment after two weeks if pests continue to be a problem. One or two treatments per year may be necessary. Do not apply more than once every two weeks. Leave a one day interval between last application and slaughter.

One 900 mL bottle lasts for 30 treatments or more, depending on the weight of the animal treated.

One 3.785 L bottle lasts for 126 treatments or more, depending on the weight of the animal treated.

**Sheep:** For the control of sheep keds and lice on sheep. Apply 1.5 mL per 23 kg (50 lbs) body weight up to a maximum of 18 mL for one animal. Part the wool until the skin is visible. Pour onto the sheep's skin along the back and down the face taking care to avoid the eyes and mouth. Repeat treatment after 2 weeks if pests continue to be a problem. Leave a two day interval between last application and slaughter.

**DO NOT** apply more than two applications per year.

One 900 mL bottle lasts for 50 treatments or more, depending on the weight of the animal treated.

One 3.785 L bottle lasts for 210 treatments or more, depending on the weight of the animal treated.

**RESISTANCE MANAGEMENT RECOMMENDATIONS:** BOSS POUR-ON 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 insects, 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. When possible, rotate the use of BOSS POUR-ON with insecticides of other groups that control the pests named on the label.
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 or sheep pest populations in your area.
5. For further information or to report suspected resistance contact Intervet Canada Corp. at 1-866-683-7838.

**PRECAUTIONS:** For Dairy Cattle and Sheep, **DO NOT** use this product in combination with any other permethrin treatment. **KEEP OUT OF REACH OF CHILDREN.**

**HARMFUL IF SWALLOWED. CAUTION: SKIN IRRITANT.** Avoid prolonged or repeated contact with skin. Wash skin thoroughly with soap and water after contact. Avoid breathing vapours. Use with adequate ventilation. Wear protective clothing and chemical resistant gloves during application. Remove contaminated clothing and wash separately from household laundry before reuse. May irritate skin and eyes. Avoid contact with skin, eyes and clothing.

**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 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. **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 first aid for this slightly toxic substance may result in increased risk of chemical pneumonia or pulmonary oedema caused by aspiration of the hydrocarbon solvent. Vomiting should be induced only under professional supervision.

**STORAGE:** Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Do not reuse container. Protect from freezing.

**DISPOSAL:** Disposal of container. Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site: make the empty container unsuitable for further use. If there is no container collection site in your area, dispose of the 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 spill, and for clean-up of spills.

**ENVIRONMENTAL HAZARDS:** This product is very toxic to fish. Use with care when applying in areas adjacent to any body of water. Do not contaminate water by cleaning of equipment or disposal of waste.

**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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**NET CONTENTS:** 900 mL OR 3.785 L

Intervet Canada Corp, subsidiary of Merck & Co., Inc., 16750 route Transcanadienne, Kirkland, QC H9H 4M7

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