



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

November 7, 2017

Donna Martino  
Sr. Specialist, Regulatory Affairs  
Merck & Co. Inc.  
2000 Galloping Hill Rd.  
Kenilworth, NJ 07033

Subject: Amended Reregistration Label  
Product Name: 5% Permethrin Pour On  
EPA Registration Number: 773-82  
Decision Number: 413186

Dear Ms. Martino:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the Permethrin RED, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

NOTE: This product is **not** yet being reregistered under section 4(g) of FIFRA.

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded.

- Basic CSF, dated 05/07/2012
- Alternate CSF 1, dated 05/07/2012
- Alternate CSF 2, dated 05/07/2012
- Alternate CSF 3, dated 05/07/2012

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the

date of this amendment or the next printing of the label, whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions about this letter, please contact Jennifer Gaines at 703-305-5967 or via email at [gaines.jennifer@epa.gov](mailto:gaines.jennifer@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "MW", enclosed in a thin black rectangular border.

Michael Wagman, Acting Product Manager 4  
Invertebrate and Vertebrate Branch 1  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

**ACCEPTED**

11/07/2017

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 773-82

# BOSS®

0061-5030-02

**POUR-ON INSECTICIDE FOR BEEF & DAIRY CATTLE & SHEEP**



**Controls Flies And Lice On Cattle  
Season-Long Lice Control†  
with One Application  
Controls Keds And Lice On Sheep**



May be used with  
Automatic Dosing System

**ACTIVE INGREDIENTS**

Permethrin: 3-(phenoxyphenyl)methyl (±)-cis, trans-3-(2,2-dichloroethenyl)-2, 2-dimethylcyclopropanecarboxylate*	5.00%
<b>OTHER INGREDIENTS**</b>	95.00%
<b>TOTAL</b>	100.00%

\* cis/trans ratio Min 35% (±) cis and Max 65% (±) trans

\*\* contains petroleum distillates

Keep Out of Reach of Children

**CAUTION**

SEE BACK PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS  
EPA Reg. No. 773-82 EPA Est. No. 618-LA-1  
U.S. Patent No. 5,750,514  
Rev. 6/17

**Treats 229  
550-lb Cattle**

192324 R2

Net Contents:  
One US Gallon (3.785L)



PSB020R49 01 R1  
139.7x127mm  
CMYK

# BOSS®

## POUR-ON INSECTICIDE FOR BEEF & DAIRY CATTLE & SHEEP

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

### USE RESTRICTIONS

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

Not for use in outdoor residential misting systems.

When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.

**READY TO USE** — No dilution necessary.

Apply To	Target Species	Dosage
Lactating and Non-Lactating Dairy Cattle, Beef Cattle, and Calves	Lice, Horn flies, Face flies Aids in control of Horse flies, Stable flies, Mosquitoes, Black flies, and Ticks.	Apply 3 mL per 100 lbs body weight of animal up to a maximum of 30 mL for any one animal. Pour along back and down face.
Sheep	Sheep keds, Lice	Pour along back. Apply 1.5 mL per 50 lbs of body weight of animal up to a maximum of 18 mL for any one animal.

For cattle and sheep, repeat treatment as needed but not more than once every 2 weeks.

**SPECIAL NOTE:** Boss® Pour-On Insecticide is not effective against cattle grubs. Boss® Pour-On Insecticide should be used in an integrated pest management system which may involve repeat treatments and the use of other pest control practices.

### PRECAUTIONARY STATEMENTS, HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION** - Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wear long sleeved shirt, long pants, shoes and socks, and chemical resistant gloves such as barrier laminate, nitrile or neoprene rubber, or viton. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### USER SAFETY RECOMMENDATIONS

User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. User should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### 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 center or doctor for treatment advice. **If Swallowed** • Call poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.

#### HOT LINE NUMBER

Have the product container or label with you when calling the poison control center or doctor or going for treatment. You may also contact the Rocky Mountain Poison Center at 1-303-595-4869 for emergency medical treatment information.

**Note to Physician:** Contains petroleum distillates—vomiting may cause aspiration pneumonia.

### ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.



This product is highly toxic to bees and other pollinating insects exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees and other pollinating insects are foraging the treatment area.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. **PESTICIDE STORAGE:** Keep container sealed when not in use. Do not store near food or feed. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER HANDLING:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incinerator, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

<sup>1</sup>Season-long lice control from January-April.

**NOTICE OF WARRANTY**

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW MERCK ANIMAL HEALTH MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR OTHERWISE EXPRESSED OR IMPLIED, CONCERNING THIS PRODUCT OR ITS USES WHICH EXTEND BEYOND THE USE OF THIS PRODUCT UNDER NORMAL CONDITIONS AND IN ACCORDANCE WITH THE STATEMENTS ON THIS LABEL.

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U.S. Patent No. 5,750,514  
All rights reserved. Rev. 06/17



# BOSS

0061-5030-01

® 181051 R2

**POUR-ON INSECTICIDE FOR  
BEEF & DAIRY CATTLE & SHEEP**



**Controls Flies  
and Lice on Cattle  
Controls Keds  
and Lice on Sheep  
Season-Long Lice Control<sup>1</sup>  
with One Application**



Squeeze 'N' Measure  
Bottle

May be used with  
Automatic Dosing System

#### ACTIVE INGREDIENTS

Permethrin, 3-(phenoxyphenyl)methyl (±)-cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate ... 5.00%

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<sup>1</sup>cis/trans ratio Min. 35% (±) cis and Max 65% (±) trans

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EPA Est. No. 616-LA-1

U.S. Patent No. 5,750,514

Rev. 6/17



Net Contents:  
One US Quart (0.946L)

**Treats 57  
550-lb  
Cattle**

PSS9020R53 02  
139.7x101.6mm

CMVX

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188396 R3

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