



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
4691-121

Date of Issuance:  
September 12, 1995

NOTICE OF PESTICIDE:  
  x   Registration  
       Reregistration

Term of Issuance:  
Conditional

Name of Pesticide Product:  
**PERMECTRIN PLUS**

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

BOEHINGER INGELHEIM  
ANIMAL HEALTH, INC.  
2621 NORTH BELT HIGHWAY  
ST. JOSEPH, MO 64506-2002

*165/54726/5*

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 4691-121".
- b. Add the following statement immediately below the ingredient statement: "Contains Petroleum Distillate."
- c. Based upon the result of the acute toxicity tests, revise the first statement in the precautionary section to read as follow "Harmful if absorbed through the skin." The admonition against repeated skin contact is not necessary and may be deleted.
- d. Statement of Practical Treatment: The "If Swallowed, If In Eyes and If Inhaled" statements may be deleted (TOX CAT. IV).

Signature of Approving Official:

*George T. LaRocca*  
George T. LaRocca, PM-13

Date: September 12, 1995

- e. Revise the product name by identifying plus? i.e. Permethrin Plus Piperonyl Butoxide (PBO).

The dosage rates are extremely low. How does the applicator measure this small dosage? How is it accurately applied? Please identify equipment.

See attached Data Evaluation Record sheets for acute toxicity data evaluation and classification.

3. Submit three (3) copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

George T. LaRocca  
Product Manager (13)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure:

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BASE PRODUCT NAME: PERMECTRIN PLUS  
COMPANY #-EPA FILE SYMBOL: 4691-XXX  
DATE: 6/9/84  
ITEM: PRODUCT LABEL  
COMMENTS: PREPARED DRAFT LABEL FOR SUBMISSION TO EPA

DRAFT LABEL  
Front Panel

PERMECTRIN™ PLUS  
(Insecticide)

Controls lice and flies on beef cattle, lactating and non-lactating dairy cattle and calves when applied as a pour-on, mist spray or back rubber.

Controls keds on sheep and lambs when applied as a pour-on.

Controls flies on horses when applied as a wipe-on.

Active Ingredients

Permethrin:

(3-phenoxyphenyl) methyl (±)-cis, trans-3(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate*	7.4%
Piperonyl Butoxide Technical **	7.4%
Inert Ingredients	85.2%

TOTAL 100.0% wt./wt.

\* cis/trans ratio: Min. 35 % (±) cis and max. 65% (±) trans.

\*\* Equivalent to Min. 5.92% (butylcarbityl) (6-propylpiperonyl) ether and 1.48% related compounds.

KEEP OUT OF THE REACH OF CHILDREN  
CAUTION  
see back panel for additional  
precautionary statements

Net Contents: 500 mL

EPA Reg. No.: 4691-XXX

EPA Est. No.:

Manufactured For  
Anchor Division  
Boehringer Ingelheim Animal Health, Inc.  
2621 North Belt Highway  
St. Joseph, MO 64506-2002

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

SEP 12 1995

(lot number statements as needed)

Mfg. & Printed in U.S.A. (label revision number) (product number)

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

4691-121

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DRAFT LABEL  
Side/Back Panel

**PERMECTRIN™ PLUS**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove contaminated clothing and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

**If In Eyes:** Flush eyes with plenty of water. Call a Physician if irritation persists.

**If on Skin:** Wash with plenty of soap and water. Get medical attention.

**If Swallowed:** Call a physician or Poison Control Center. DO NOT INDUCE VOMITING UNLESS UNDER MEDICAL ATTENTION as vomiting may cause aspiration pneumonia.

**If Inhaled:** Remove victim to fresh air. Apply artificial respiration if necessary.

**ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to fish and other aquatic invertebrates. Do not add directly to water. Do not contaminate water when disposing of equipment washwaters.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flames.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Storage:** Keep container sealed when not in use. Do not store near food or feed.

**Pesticide Disposal:** Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

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DRAFT LABEL  
Side/Back Panel

PERMECTRIN™ PLUS

DIRECTIONS FOR USE

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

EXCEPT FOR BACK RUBBER / READY TO USE - No dilution necessary.

Apply to	Target Insects	Application Instructions
Lactating and Non-Lactating Dairy Cattle, Beef Cattle and Calves	Lice, Horn Flies, Face Flies. Aids in control of Horse Flies, Stable Flies, House Flies, Mosquitoes and Black Flies. Controls horn flies up to 6 weeks after application.	<b>Dosage:</b> Apply 2 mL per 100 lbs. body wt. of animal, up to a maximum of 20 mL. for any one animal. <b>Pour-On:</b> Pour correct dose along back and down face. <b>Ready-To-Use Spray:</b> Use undiluted in a mist sprayer to apply correct dose. Apply directly to neck, face, back, legs and ears. <b>Back Rubber Use:</b> Mix 64 mL. (2.1 oz.) per gallon of mineral oil. Keep rubbing device charged. Results improved by daily forced use.
Sheep and Lambs	Sheep Keds and Lice. <sup>1</sup>	<b>Pour-on:</b> Pour along back. Apply 1 mL. per 50 lbs. body wt. of animal, up to a maximum of 12 mL. for any one animal. For optimum control, all animals in the flock should be treated after shearing.
Horses and Foals	Stable Flies, Horn Flies, Face Flies, House Flies, Eye Gnats and Ticks. Aids in control of Horse Flies, Mosquitoes and Black Flies.	<b>Wipe On:</b> Apply 8 mL. to 16 mL. as a wipe-on. Dampen an applicator mitt, cloth or toweling (Turkish) with Permethrin Plus. Rub over hair with special attention to the legs, shoulders, neck and facial areas where flies tend to congregate. Be especially careful not to get in horses eyes. Repeat treatment as needed. <b>Ready to Use Spray:</b> Use Permethrin Plus after riding or exercise. Use undiluted in a mist sprayer, applying 8 mL. to 16 mL. per animal. Apply product directly onto attached ticks. Repeat as needed.
Premises - in and around Horse, Beef, Dairy, Swine, Sheep and Poultry Premises, Animal Hospital Pens and Kennels and "outside" Meat Processing Premises.	House Flies, Stable Flies, Face Flies, Gnats, Mosquitoes, Black Flies, Little House Flies ( <i>Fannia spp.</i> ). Aids in control of Cockroaches, Ants, Spiders, and Crickets.	<b>Ready to Use Spot or Premise Spray:</b> Use undiluted in a mist sprayer. Apply directly to surface to leave a residual insecticidal coating, paying particular attention to areas where insects crawl or alight. 500 mL. will treat approximately 7,200 square feet.

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DRAFT LABEL  
Side/Back Panel

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**PERMECTRIN™ PLUS**  
**DIRECTIONS FOR USE (Cont'd)**

For cattle and sheep, repeat treatment as needed, but not more than once every two weeks. For optimum lice control, two treatments at a 14-day interval are recommended.

Special Note: Permethrin Plus is not effective in controlling cattle grubs.

Permethrin Plus is an oil-base, ready-to-use product, that may leave an oily appearance on the hair coat of some animals.

Permethrin Plus should be used in an integrated pest management system which may involve repeat treatments and the use of other pest control practices.

**NOTICE OF WARRANTY**

BOEHRINGER INGELHEIM ANIMAL HEALTH, INC. MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULARS PURPOSE, OR OTHERWISE, EXPRESSED OR IMPLIED CONCERNING THIS PRODUCT OR ITS USES WHICH EXTEND BEYOND THE USE OF THE PRODUCT UNDER NORMAL CONDITIONS IN ACCORD WITH THE STATEMENTS MADE ON THIS LABEL.