


PM 13

4691-124

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	U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460	EPA Reg. Number:  4691-124	Date of Issuance:  JUN 26 1997
		Term of Issuance: Conditional	
		Name of Pesticide Product:  Permethrin WS 34%	
(under FIFRA, as amended)			
Name and Address of Registrant (include ZIP Code):  Boehringer Ingelheim Animal Health, Inc. 2621 North Belt Highway St. Joseph, MO 64506-2002			
<small>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.</small>			
<p>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.</p> <p>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.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"><li>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.</li><li>2. Make the labeling changes listed below before you release the product for shipment:<ol style="list-style-type: none"><li>a. Add the phrase "EPA Registration No. 4691-124".</li><li>b. Under Precautionary Statements change "Hazards to Humans" to "Hazards to Human and Domestic Animals".</li><li>c. Add the following statements to the Hazards to Domestic Animals section "Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes."</li></ol></li></ol>			
Signature of Approving Official:		Date:	

d. Under Physical or Chemical hazards add "Do not use or Store near heat or open flame.".

e. You have reported a flash point of 147 degrees fahrenheit for this product which contains 46% water as one of its components. Is this value correct?

f. The EPA Registration Number for Piperonyl Butoxide Technical as provided on the Confidential Statement of Formula (CSF) is incorrect. The correct number is 1021-1646. Please correct.

g. The basic formulation CSF provided with MRID 44066901 has different EPA Registration Number and also a different date. Please correct.

h. Delete "Water Based" from the front panel. Products containing 50% or more water may make such claims.

i. On the panel add " For Commercial/ Agricultural Use Only. Not for Household Use".

j. Under directions for use delete the instruction to apply to run off and replace with "Spray all surfaces thoroughly with diluted emulsion using xxx but do not let runoff occur."

k. Refer to PR Notice 96-6 (Pet Pesticide Product Label Statements) and revise the label accordingly with respect to use of this product on dogs.

#### ACUTE TOXICITY REVIEW

STUDY	MRID	CATEGORY	CLASSIFICATION
Acute Oral	44066902	III	Acceptable
Acute Dermal	44066903	III	Acceptable
Acute Inhalation	44066904	IV	Acceptable
Eye Irritation	44066905	III	Acceptable
Dermal Irritation	44066906	IV	Acceptable
Dermal Sensitization	44066907	No	Acceptable

A copy of the review is enclosed. Please note comments with respect to the eye irritation and dermal sensitization studies.

3. Submit three (3) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.

Enclosures

ANCHOR/LOGO

PERMECIRIN WS 34

A WATER BASED, SYNERGIZED, CONCENTRATE INSECTICIDE WITH UP TO 30 DAYS RESIDUAL EFFECTS

- °Broad Spectrum Insecticide/Acaracide
- °Synergized
- °Quick Knockdown
- °For Control of Insect Pests on Livestock, Poultry and Farm Premises
- °For Control of Insect Pests on Dogs and Horses
- °For Control of Ticks Including Deer Ticks (carrier of Lyme Disease)
- °Contains no Petroleum Solvents
- °Pleasant Citrus Scent
- °Water Based

ACTIVE INGREDIENTS:

*Permethrin.....	34.00%
**Piperonyl Butoxide Technical.....	8.50%
INERT INGREDIENTS:.....	57.50%
TOTAL	100.00%

\* (3-phenoxyphenyl)methyl(±) cis/trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate.  
Cis/trans isomer ratio: Min. 35% (±) cis and max. 65% (±) trans.

\*\*Equivalent to Min. 6.80% (butylcarbityl) (6-propylpiperonyl) ether and 1.70% related compounds.

Contains 347.5 g permethrin and 86.9 g piperonyl butoxide technical per quart.

KEEP OUT OF THE REACH OF CHILDREN  
CAUTION  
SEE SIDE/BACK PANEL FOR  
ADDITIONAL PRECAUTIONARY STATEMENTS

Net Contents: 1 U.S. Pint (473ml)

CODE: \_\_\_\_\_ Bar Code Area

(label revision code - front panel)

PAGE 1 OF 8  
JUNE 15, 1996  
B736DL1A.DOC-1

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JUN 26 1997

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

4691-124

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DRAFT LABEL  
SIDE/BACK PANEL

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PERMECTRIN WS 34

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
CAUTION

**Hazards to Humans:** Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**Hazards to Domestic Animals:** For external use only. Do not use on puppies under 12 weeks of age. Do not use on sick, aged, medicated, pregnant, or nursing dogs without consulting a veterinarian. **DO NOT USE ON CATS.** Groomers or other persons apply the product frequently must wear chemically resistant gloves.

STATEMENT OF PRACTICAL TREATMENT

**If Swallowed:** Call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or if available by administering syrup of ipecac. If person is unconscious, do not give anything by mouth and do not induce vomiting.

**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.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where run off is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

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DRAFT LABEL  
SIDE/BACK PANEL

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PERMECTRIN WS 34

INDICATIONS

For use on Horses, Beef and Dairy Cattle, Swine, Sheep, Poultry, Dogs, and their premises to Kill Flies, Fleas, Lice, Imported Fire Ants, Mites, and Ticks including Deer Ticks (carrier of Lyme Disease). Aids in Control of Cockroaches, Mosquitoes Spiders and Crickets.

**BUYER GUIDE:** The following statements are made as a general guide to quantity of pesticide required for various applications. See Chart on inside of back panel for complete directions on dilution and use.

**Premise Use as a Spray or Fog:** Mix 1 pt. in 50 gal. of water to make a ready-to-use spray.

**Livestock Use:** Mix 1 pt. in 200 gal. of water to treat up to 800 animals.

**Poultry Use:** Mix 1 pt. in 100 gal. of water to treat up to 10,000 birds.

**Dog Use:** Mix 1/2 fl. oz. (15 mL) in 2 gal. of water for flea and tick spray or dip.

**Horse Use:** Mix 1 fl. oz. (30 mL) in 5-1/4 gal. of water for ready-to-use spray.

**CONVERSION EQUIVALENTS:** 1 fl. oz. = 30 mL = 2 tablespoons = 6 teaspoons

DIRECTIONS FOR USE

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

**SHAKE WELL BEFORE USE.**

Add the required amount of concentrate to water and blend thoroughly. Do not hold dilutions for more than 24 hours.

Mix PERMECTRIN WS 34 and apply the use-diluted material to animals and pest breeding or resting surfaces at the rates shown on accompanying chart. These dilutions and rates will provide most efficient pest control under conditions of heavy pressure when good contact is achieved. Timing and frequency of application should be based on pest populations reaching nuisance levels, but accompanying manure removal and sanitation practices should precede sprays.

Do not spray feed, food or water. Retreat as needed, but not more often than once every two weeks. Wash udders thoroughly before milking. Do not use on sick, or debilitated animals. Do not use on pregnant or nursing dogs, or on puppies less than three months of age.

## PERMECTRIN WS 34 - DIRECTIONS FOR USE (CONT'D)

PESTS ON LIVESTOCK: BEEF CATTLE, LACTATING AND NON-LACTATING DAIRY CATTLE, SHEEP, GOATS AND SWINE

NOTE: For Swine allow 5 days between last treatment and slaughter

PESTS	DILUTIONS FOR USE	HOW TO APPLY
Horn Flies, Face Flies, Stable Flies, House Flies, Lesser House Flies, Horse Flies, Deer Flies, Black Flies, Mosquitoes, Eye Gnats, Blow Flies, Managie Mites, Scabies Mites, Lice, Ticks including Deer Ticks (carrier of Lyme Disease), and Sheep Keds.	Mix 1 part concentrate in 1,600 parts water (1 pt. in 200 gal. or 7 mL in 3 gal.). For severe infestations or for longer residual control, mix 1 part concentrate in 528 parts water [1 pt. in 66 gal. or 7 mL in 1 gal.].	<u>High Pressure Spray:</u> Spray to thoroughly wet entire animal (1-2 qts. per animal). For lice and mites, a second treatment is recommended in 14 days.
Horn Flies, Face Flies, Ear Ticks and Lice	Mix 3.5. fl. oz. (100 mL) in 2 gal. water.	<u>Low Pressure Spray:</u> For flies and lice, apply 4-5 fl. oz. (120-150 mL) along midline from face to tailhead. For ear ticks, spray directly onto each ear (1/2 fl. oz. per ear).

CONVERSION EQUIVALENTS: 1 fl. oz. = 30 mL = 2 Tablespoons = 6 teaspoons

PESTS ON POULTRY:

PESTS	DILUTIONS FOR USE	HOW TO APPLY
Chicken Mite, Northern Fowl Mite, Chiggers, Lice and Bed Bugs	Mix 1 part concentrate in 800 parts water (1 pt. in 100 gal. or 9.5 mL in 2 gal.). For severe infestation or for longer residual control, mix 1 part concentrate in 400 parts water (1 pt. to 50 gal. or 19 mL in 2 gal.).	<u>High Pressure Spray:</u> Spray 1 gal. of coarse spray per 100 birds paying particular attention to vent area.

CONVERSION EQUIVALENTS: 1 fl. oz. = 30 mL = 2 Tablespoons = 6 teaspoons

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DRAFT LABEL - SIDE/BACK PANEL

PERMECTRIN WS 34 - DIRECTIONS FOR USE (CONT'D)

**PESTS ON FARM PREMISES:** Barns, Loafing Sheds, Milking Parlors, Feed Lots, Stables, Paddocks, Poultry and Livestock Housing, Animal Hospitals, Kennels and Outside Meat Processing Premises.

PESTS	DILUTIONS FOR USE	HOW TO APPLY
House Flies, Stable Flies, Lesser House Flies, other Manure Breeding Flies, Bed Bugs, Chicken Mites, Fleas, Lesser Mealworms (Darkling Beetles), Lice, Mites, Ticks including Deer Ticks (carrier of Lyme Disease). Aids in control of Cockroaches, Ants, Spiders, Mosquitoes, Crickets, and Face Flies.	Mix 1 part concentrate in 400 parts water (1 pt. in 50 gal. <u>or</u> 19 mL in 2 gal.). For severe infestation or for longer residual control, mix 1 part concentrate in 136 parts water (1 pt. in 17 gal. <u>or</u> 28 mL in 1 gal.)	<b>SURFACE SPRAY:</b> Spray all surfaces to run-off with diluted emulsion using 1 gal. per 750 - 1000 sq. ft.
	In mist blower or power fogger (non-thermal) or overhead space spray system, mix 1 part concentrate in 80 parts water (1 pt. in 10 gal. or 48 mL in 1 gal.)	<b>INDOOR SPACE SPRAY:</b> Apply as fog or fine mist until area is filled with mist, using 2 fl. oz. (60 mL) per 1000 cubic ft. (Can be used in Milk Rooms). <b>OUTDOOR SPACE SPRAY:</b> Fill area with mist. Apply while the air is still.

CONVERSION EQUIVALENTS: 1 fl. oz. = 30 mL = 2 Tablespoons = 6 Teaspoons

DO NOT APPLY DILUTIONS FOR PREMISE TREATMENT DIRECTLY TO LIVESTOCK OR POULTRY. ENSURE THAT FEED AND WATER ARE NOT CONTAMINATED BY SPRAY DRIFT. FOR SPACE SPRAYING DO NOT REMAIN IN TREATED AREAS AND VENTILATE THE AREA BEFORE REOCCUPYING. THE USE OF ANY RESIDUAL FLY SPRAY SHOULD BE SUPPLEMENTED WITH PROPER MANURE MANAGEMENT AND GENERAL SANITATION TO ELIMINATE FLY BREEDING SITES.

Imported Fire Ants	Mix 7 fl. oz. (210 mL) in 2 gal. water	<b>SPRINKLER CAN:</b> Gently sprinkle one gal. over the surface of each mound. Thoroughly wet mound and surrounding area to a 4 ft. diameter. For best results, apply in cool weather 65-85° (early morning or late evening). Pressurized sprayers may disturb ants and cause migration, reducing product effectiveness.
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CONVERSION EQUIVALENTS: 1 fl. oz. = 30 mL = 2 Tablespoons = 6 Teaspoons

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DRAFT LABEL - SIDE/BACK PANEL

PERMECTRIN WS 34 - DIRECTIONS FOR USE (CONT'D)

PESTS ON DOGS AND THEIR PREMISES:

NOTE: Use only on dogs. DO NOT USE ON CATS. Do not treat puppies under 12 weeks of age. Do not get this product in your dog's eyes or mouth. Avoid contact with genitalia. Reapply as necessary.

PESTS	DILUTIONS FOR USE	HOW TO APPLY
Fleas, Ticks (including Deer Ticks, carrier of Lyme Disease) Mange Mites, Lice and Stable Flies on Dogs.	Mix 1 part concentrate in 512 parts water (1/2 fl. oz. <u>or</u> 15 mL in 2 gal.).	<u>SPRAY, DIP OR SPONGE ON:</u> Spray, dip, sponge or pour diluted product on the dog until its hair and skin are thoroughly wet, making sure that animal's entire body is treated. Do not treat dog's face. Let drip dry on animal and do not rinse off.
	Mix 1 part concentrate in 64 parts water (1/2 fl. oz. <u>or</u> 15 mL in 1 quart).	<u>LOW VOLUME SPRAY:</u> Spray 1-2 fl. oz. per animal. Starting at the tail, stroke against the lay of the hair, spraying the parted hair with a fine mist directly behind the hand to insure penetrating the coat. Spray entire animal until hair coat is damp.
Fleas and Ticks on Premises.	Mix 1 to 2 parts concentrate in 160 parts water (1 pt. in 10 to 20 gal. <u>or</u> 24 mL to 48 mL in 1 gal.).	<u>INDOOR PREMISE SPRAY:</u> Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along baseboards, moldings, windows and door frames, and localized areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment.
	Mix 1 fl. oz. (30 mL) concentrate in 10.5 gal. water <u>or</u> 7 mL in 2.5 gal. water.	<u>OUTDOOR PREMISE SPRAY:</u> Use enough finished spray to penetrate foliage, usually 50-100 gal. per acre. To prevent infestation of buildings, treat a band of vegetation 6-10 feet adjacent to the structure.

CONVERSION EQUIVALENTS: 1 fl. oz. = 30 mL = 2 Tablespoons = 6 Teaspoons



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DRAFT LABEL - SIDE/BACK PANEL

PERMECTRIN WS 34 - DIRECTIONS FOR USE (CONT'D)

PESTS ON HORSES:

PESTS	DILUTIONS FOR USE	HOW TO APPLY
Horse Flies, Deer Flies, Stable Flies, House Flies, Horn Flies, Face Flies, Black Flies, Mosquitoes, Eye Gnats, Mange Mites, Lice and Ticks.	Mix 1 fl. oz. (30 mL) concentrate in 5-1/4 gal. water <u>or</u> 11 mL in 2 gal. water.	<u>SPRAY OR SPONGE ON:</u> Thoroughly wet animal to skin with spray or sponge.
	Mix 3.5 fl. oz. (105 mL) concentrate in 1.5 gal. water <u>or</u> 35 mL in 2 qt. water.	<u>LOW PRESSURE SPRAY OR WIPE ON :</u> Spray or wipe on 1-2 fl. oz. per animal. Pay particular attention to treat back, face, legs, and ears.

PESTS ON EQUINE PREMISES: Barns, Stables, Paddocks, and Animal Hospitals.

PESTS	DILUTIONS FOR USE	HOW TO APPLY
House Flies, Stable Flies, Lesser House Flies, other Manure Breeding Flies, Bed Bugs, Chicken Mites, Fleas, Mealworms, Lice, Mites, Ticks including Deer Ticks (carrier of Lyme Disease), Aids in control of Cockroaches, Ants, Spiders, Mosquitoes, Crickets, and Face Flies.	Mix 1 part concentrate in 400 parts water (1 pt. in 50 gal. <u>or</u> 19 mL in 2 gal.). For severe infestation <u>or</u> for longer residual control, mix 1 part concentrate in 136 parts water (1 pt. in 17 gal. <u>or</u> 28 mL in 1 gal.)	<u>SURFACE SPRAY:</u> Spray all surfaces to run-off with diluted emulsion using 1 gal. per 750 - 1000 sq. ft.
	In mist blower or power fogger (non-thermal) or overhead space spray system mix 1 part concentrate in 80 parts water (1 pt. in 10 gal. <u>or</u> 48 mL in 1 gal.)	<u>INDOOR SPACE SPRAY:</u> Apply as fog or fine mist until area is filled with mist, using 2 fl. oz. (60 mL) per 1000 cubic ft.  <u>OUTDOOR SPACE SPRAY:</u> Fill area with mist. Apply while the air is still.

CONVERSION EQUIVALENTS: 1 fl. oz. = 30 mL = 2 Tablespoons = 6 Teaspoons

DO NOT APPLY DILUTIONS FOR PREMISE TREATMENT DIRECTLY TO HORSES. ENSURE THAT FEED AND WATER ARE NOT CONTAMINATED BY SPRAY DRIFT. FOR SPACE SPRAYING DO NOT REMAIN IN TREATED AREAS AND VENTILATE THE AREA BEFORE REOCCUPYING. THE USE OF ANY RESIDUAL FLY SPRAY SHOULD BE SUPPLEMENTED WITH PROPER MANURE MANAGEMENT AND GENERAL SANITATION TO ELIMINATE FLY BREEDING SITES.

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DRAFT LABEL  
SIDE/BACK PANEL

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PERMECTRIN WS 34

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. KEEP CONTAINER SEALED WHEN NOT IN USE. PROTECT FROM FREEZING.

**Pesticide Storage:** Store upright at room temperature. Avoid exposure to extreme temperatures.

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

**Container Disposal:** Do not reuse empty container. 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.

NOTICE OF WARRANTY

BOEHRINGER INGELHEIM ANIMAL HEALTH INC. 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 THE PRODUCT UNDER NORMAL CONDITIONS IN ACCORD WITH THE STATEMENTS MADE ON THIS LABEL.

EPA Reg. No.: 4691-XXX

EPA Est. No.: To Be Determined

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