


4691-123

PM-3

9-30-98

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 <p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (47505C) 401 "M" St., S.W. Washington, D.C. 20460</p> <p style="text-align: center;"><b>NOTICE OF PESTICIDE:</b> <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration</p> <p>(under FIFRA, as amended)</p>	<p>EPA Reg. Number: 4691-123</p>	<p>Date of Issuance: 9/30/98</p>
	<p>Term of Issuance: Conditional</p>	
	<p>Name of Pesticide Product: Permethrin WS</p>	
<p>Name and Address of Registrant (include ZIP Code): Boehringer Ingelheim Animal Health, Inc. 2621 North Belt Highway St. Joseph, MO 64506-2002</p>		
<p>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.</p>		
<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 style="text-align: center;">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. 4691-123".</li> <li>b. Under Precautionary Statements add "When applying indoors as a space spray or fog wear full-faced gas mask with canister type recommended for general insecticide protection."</li> <li>c. Under Precautionary Statements the statement should read "Hazards to Humans And Domestic Animals".</li> <li>d. Under Environmental Hazards delete "Do not apply when runoff is likely to occur."</li> </ol> </li> </ol>		
<p>Signature of Approving Official:</p>		<p>Date:</p>

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EPA Reg. No. 4691-123

3. Submit two (2) 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.

Enclosure

DRAFT LABEL  
FRONT PANEL

BI/LOGO

PERMECTRIN WS  
A WATER BASE, SYNERGIZED, CONCENTRATE INSECTICIDE WITH UP TO 30 DAYS RESIDUAL EFFECTS  
ON INANIMATE SURFACES

FOR AGRICULTURAL USE ONLY. NOT FOR HOUSEHOLD USE.

- °Broad Spectrum Insecticide/Acaricide
- °Synergized
- °Quick Knockdown
- °For Control of Insect Pests on Livestock, Poultry and Farm Premises
- °For Control of Insect Pests on Horses
- °For Control of Ticks Including Deer Ticks (carrier of Lyme Disease)
- °Pleasant Citrus Scent
- °Water Based

ACTIVE INGREDIENTS:

Permethrin (CAS #52645-53-1).....	8.50%
Piperonyl Butoxide Technical (CAS #51-03-6).....	4.25%
OTHER INGREDIENTS:.....	87.25%
TOTAL	100.00%

Contains 80.4 g permethrin and 40.2 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. Quart (946ml)

CODE: \_\_\_\_\_

Bar Code Area

(label revision code - front panel)

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FEBRUARY 12, 1998  
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ACCEPTED  
with COMMENT  
in EPA Letter Date: \_\_\_\_\_

SEP 30 1998

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
4691-123

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DRAFT LABEL  
SIDE/BACK PANEL

PERMECTRIN WS

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
CAUTION

Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

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 if irritation persists.

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. 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

PERMECTRIN WS

INDICATIONS

For use on Horses, Beef and Dairy Cattle, Swine, Sheep, Poultry, 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 qt. in 25 gal. of water to make a ready-to-use spray.

**Livestock Use:** Mix 1 qt. in 100 gal. of water to treat up to 400 animals.

**Poultry Use:** Mix 1 qt. in 50 gal. of water to treat up to 5,000 birds.

**Horse Use:** Mix 1.5 fl. oz. (45 mL) in 2 gal. of water for ready-to-use spray.

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

DIRECTION FOR USE

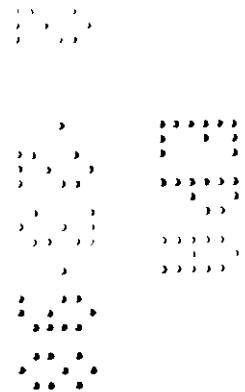
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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 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.



## PERMECTRIN WS - 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, Psoroptic (scabies) mites, Lice, Ticks including Deer Ticks (carrier of Lyme Disease), and Sheep Keds.	Mix 1 part concentrate in 400 parts water (1 qt. in 100 gal. or 10 mL in 1 gal.). For severe infestations or for longer residual control, mix 1 part concentrate in 132 parts water [1 qt. in 33 gal. or 4 fl. oz. (120 mL) in 1 gal.].	<b>High Pressure Spray:</b> 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 7 fl. oz. (210 mL) in 1 gal. water.	<b>Low Pressure Spray:</b> 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 200 parts water (1 qt. in 50 gal. or 19 mL in 1 gal.). For severe infestation or for longer residual control, mix 1 part concentrate in 100 parts water (1 qt. to 25 gal. or 38 mL in 1 gal.).	<b>High Pressure Spray:</b> 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

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 PERMECTRIN VS - DIRECTIONS FOR USE (CONT'D)  
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**PESTS ON FARM PREMISES:** Barns, Loafing Sheds, Milking Parlors, Feed Lots, Stables, Paddocks, Poultry and Livestock Housing, Animal Hospitals 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, 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 100 parts water (1 qt. in 25 gal. or 38 mL in 1 gal.). For severe infestation or for longer residual control, mix 1 part concentrate in 33 parts water (1 qt. in 8-1/3 gal. or 115 mL in 1 gal.) The use of the higher concentration is recommended on painted wood surfaces.	<b>SURFACE SPRAY:</b> Spray all surfaces thoroughly with diluted emulsion using 1 gal. per 750 - 1000 square feet, but do not let runoff occur.
	In mist blower or power fogger (non-thermal) mix 1 part concentrate in 20 parts water (1 qt. in 5 gal. or 189 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. REMOVE ANIMALS PRIOR TO TREATMENT. THE USE OF ANY RESIDUAL FLY SPRAY SHOULD BE SUPPLEMENTED WITH PROPER MA MANAGEMENT AND GENERAL SANITATION TO ELIMINATE FLY BREEDING SITES.

Fleas and Ticks on other outdoor Farm Premises.	Mix 3 fl. oz. (90 mL) concentrate in 8 gal. water or 11 mL in 1 gal. water.	<b>OUTDOOR PREMISE SPRAY:</b> 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.
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DRAFT LABEL - SIDE/BACK PANEL

PERMECTRIN WS - DIRECTIONS FOR USE (CONT'D)

PESTS ON FARM PREMISES (CONT'D): Barns, Loafing Sheds, Milking Parlors, Feed Lots, Stables, Paddocks, Poultry and Livestock Housing, Animal Hospitals and Outside Meat Processing Premises.

PESTS	DILUTIONS FOR USE	HOW TO APPLY
Imported Fire Ants	Mix 14 fl. oz. (420 mL) in 1 gal. water	<u>SPRINKLER CAN:</u> 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.

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

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 1.5 fl. oz. (45 mL) concentrate in 2 gal. water <u>or</u> 23 mL in 1 gal. water.	<u>SPRAY OR SPONGE ON:</u> Thoroughly wet animal to skin with spray or sponge.
	Mix 7 fl. oz. (210 mL) concentrate in 3 qts. water <u>or</u> 70 mL in 1 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.

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

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 100 parts water (1 qt. in 25 gal. <u>or</u> 38 mL in 1 gal.). For severe infestation <u>or</u> for longer residual control, mix 1 part concentrate in 33 parts water (1 qt. in 8-1/3 gal. <u>or</u> 115 mL in 1 gal.)	<u>SURFACE SPRAY:</u> Spray all surfaces thoroughly with diluted emulsion using 1 gal. per 750 - 1000 square feet, but do not let runoff occur.
	In mist blower or power fogger (non-thermal) mix 1 part concentrate in 20 parts water (1 qt. in 5 gal. <u>or</u> 189 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. REMOVE ANIMALS PRIOR TO TREATMENT. 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

PERMECTRIN WS

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  
Boehringer Ingelheim Animal Health, Inc.  
2621 North Belt Highway  
St. Joseph, MO 64506-2002  
1-800-821-7467

