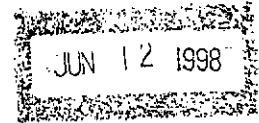


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Dr. Douglas H. Ross  
Farnam Companies, Inc.  
301 West Osborn  
Phoenix, Arizona 85013



Dear Dr. Ross:

Subject: Label amendment- additional pests  
Purina Hard Hitter Aqueous Spray  
EPA Registration Number 270-269  
Your submission dated April 28, 1998

The product referred to above will be acceptable for registration under FIFRA sec. 3(c)(7)(A) provided that you:

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

2. Make the labeling changes listed below:

a. The common names of the tick species are incorrect. The black- legged tick and deer tick are the names used for *Ixodes scapularis*. The common name of *Ixodes pacificus* is the western black- legged tick.

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.

Sincerely,

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

Enclosure

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

[ ] Indicates optional language

Purina Hard Hitter Aqueous Spray  
A Concentrated Permethrin Stable Emulsion  
Ready to Use

- Controls [Kills] Ticks [Including ] [Deer Ticks] [Vectors Of Lyme Disease]
- Provides A [Residual] Barrier Against Ticks [Including ] [Deer Ticks] [Vectors Of Lyme Disease] [And Mosquitoes]
- Aids in Reducing Annoyance from [Adult] Mosquitoes, Midges (Biting and Non-Biting), Deer Flies And Other Biting Flies by Providing a [Residual] Barrier Around your Home [and Yard]

For use outdoors and in homes, kennels and non-food/feed areas of commercial buildings such as: warehouses, theaters, office buildings, schools, motels, hotels, and food/feed processing establishments. To protect cattle (beef and dairy), goats, sheep, hogs, and horses from horn flies, face flies, house flies and gnats. For control of Fleas, Brown Dog Ticks and Lice on Premises and on Dogs. Controls Fleas and Ticks on Dogs for 35 Days Aids in Control of Ticks on Dogs for an Additional 2 Weeks

ACTIVE INGREDIENT:

*permethrin	0.50%
INERT INGREDIENTS:	99.50%
	100.00%

\*(3-phenoxyphenyl) methyl (+/-)cis/trans 3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate. Cis/trans ratio min. 35% (+/-) cis and max. 65% (+/-) trans.

EPA Reg. No. 270-269

Net Contents \_\_\_\_\_

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN  
CAUTION  
See Back Panel for Additional Precautions

PRECAUTIONARY STATEMENTS  
Hazards To Humans & Domestic Animals  
CAUTION: Harmful if swallowed. Avoid contamination of feed and foodstuffs. Remove pets, birds, and cover fish aquaria before space spraying or surface application. Keep people and pets out of the treatment area during application. Do not allow people or pets to re-enter the treated area until spray has dried. **Do not apply this product in schools when classrooms are in use.**

FIRST AID  
If Swallowed: Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Call a physician immediately. Do not induce vomiting or give anything by mouth to an unconscious person.  
If On Skin: Remove contaminated clothing and wash affected areas with soap and water.  
If In Eyes: Flush eyes with plenty of water. Call a physician if irritation persists.  
If Inhaled: Remove affected person to fresh air. Apply artificial respiration if indicates.

PHYSICAL OR CHEMICAL HAZARDS  
Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JUN 12 1998

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the products registered under EPA Reg. No. 270-269

[ ] Indicates optional language

**ENVIRONMENTAL HAZARDS**

This product is extremely toxic to fish. Do not apply directly to lakes, ponds, streams, tidal marshes or estuaries. Do not contaminate water by cleaning equipment or disposal of wastes. **This product is highly toxic to bees exposed to direct treatment. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.**

**READ ENTIRE LABEL BEFORE EACH USE  
USE ONLY ON DOGS**

**DIRECTIONS FOR USE**

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

**For spot application only. Do not use as a space spray indoors. Do not use in food/feed handling establishments, restaurants or other areas where food is commercially prepared or processed. Product may not be used in federally inspected meat and poultry plants.**

**SHAKE WELL BEFORE USING**

**SURFACE/PREMISE SPRAYING TO CONTROL** Cockroaches, Waterbugs, Palmetto Bugs, Scorpions, Millipedes, Centipedes, Sowbugs, Pillbugs, Ants, Silverfish, Firebrats, Spiders, Crickets, Clover Mites, Cheese Mites, Granary Weevils, Rice Weevils, Confused Flour Beetles, Rust Red Flour Beetles, Drugstore Beetles, Mealworms, Grain Mites And Cadelles: Direct the spray into the hiding places, cracks and crevices, and behind shelves and drawers. For Silverfish, spray bookcases. For Ants, spray trails, nests and points of entry.

**TO CONTROL CARPET BEETLES:** Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment as needed.

**TO CONTROL BEDBUGS:** Spray mattresses lightly, particularly around tufts and seams. Take bed apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment as needed.

**TO CONTROL FLEAS (ADULTS AND LARVAE) AND TICKS (ADULTS AND LARVAE):** Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Repeat treatment as needed. Allow to dry thoroughly before allowing pets to contact treated areas.

**TO CONTROL CLOTHES MOTHS:** Remove any infested articles from storage, brush thoroughly, and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated lightly, keeping nozzle at least three feet from fabric to avoid staining.

[ ] Indicates optional language

**TO CONTROL LICE AND LOUSE EGGS:** Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 - 10 inches. Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry-cleaned. Allow all treated articles to dry thoroughly before use.

**ON LIVESTOCK:** To protect cattle (beef and dairy), goats, sheep, hogs and horses from Horn Flies, Face Flies, House Flies, Mosquitoes and Gnats: Apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but do not spray into eyes.

**TO CONTROL STABLE FLIES, HORSE FLIES AND DEER FLIES:** Apply at a rate of 2 ounces per adult animal, sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

**TO CONTROL BLOOD-SUCKING LICE:** Apply to the infested areas of the animal, using a stiff brush to get the spray into the base of the hair. Repeat every 3 weeks if required.

**TO CONTROL POULTRY LICE:** Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

**TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES:** Spray crevices of roost poles, cracks in walls, and cracks in nests where Bedbugs and Mites hide.

**ON DOGS: TO CONTROL FLEAS, TICKS AND LICE:** Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and underbody. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly, but do not saturate animal. Do not spray into eyes or face. Avoid contact with genitalia. Reapply every 5 weeks. **NOTE: DO NOT USE ON CATS OR KITTENS.**

Do not use on dogs under 12 weeks of age. Consult a veterinarian before using this product on debilitated, aged, pregnant, medicated or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

### OUTDOOR APPLICATION

**FOR CONTROL OF GARDEN INSECTS:** For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles hit by spray as well as Whiteflies, Aphids, Exposed Thrips, Spiders, Red Mites and Leafminers. May be used on plants as a multi-purpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading in large garden areas.

May also be used on other plants such as African Violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, eunonymus, fuschia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jews and zinnias.

[ ] Indicates optional language

Effective when used as directed on Whiteflies, Aphids, Spider and Red Mites, exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites and Armyworms. When spraying plants, do not operate closer than 18 inches. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90°F. Contact insects whenever possible. Repeat treatment as infestations occur. **Do not contaminate ornamental fish ponds.**

**OUTDOOR [BARRIER] TREATMENT FOR TICKS [AND MOSQUITOES]**

Apply [this product] [brand name] [as a residual spray on] [on a spray-to-wet- basis to] plants and other surfaces where mosquitoes and ticks may rest. **DO NOT USE PRODUCT WITHIN 100 FEET [30 METERS] OF LAKES AND STREAMS.** Keep people and pets out of the treatment area during application. Do not allow people or pets to re-enter the treated area until spray has dried.

**Application Directions:** Be sure the hose-end sprayer valve is closed. Attach the product package [hose-end sprayer] to your garden hose and turn on the water. When you are ready to apply the product, open the hose-end sprayer valve and direct the spray onto surfaces to be treated (see below). When you are finished spraying, close the hose-end sprayer valve, turn off the water flow to the hose, and disconnect the package [hose-end sprayer] from the hose.

**TO CONTROL TICKS (Including Deer Ticks [Ixodes scapularis] and Black Legged Ticks [I. pacificus] Which Transmit Lyme Disease):** Treat dense vegetation (long grass, shrubs, weeds, leaf litter) in outdoor areas surrounding your house, other buildings, and your yard. To help prevent infestation of buildings by these ticks, treat a band of vegetation 8 - 10 feet wide adjacent to the structure(s). For tick control, this bottle [package] will treat from 2,250 - 4,500 square feet [1/20 - 1/10 acre].

**TO REDUCE ANNOYANCE FROM [ADULT] MOSQUITOES, MIDGES (BITING AND NON-BITING), DEER FLIES AND OTHER BITING FLIES:** For best results, cover the immediate surroundings of your house and other buildings, including plants, where mosquitoes may rest. Also apply to border areas between open spaces (e.g., lawns) and surrounding wooded [vegetated] areas. Be certain to treat areas under outdoor lights. Some mosquito species are attracted to light sources, and thus may be attracted to and come in contact with these treated areas. This bottle [package] will treat 4,500 square feet [1/10 acre].

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

Buyer assumes all risks of use, storage or handling of this material not in strict accordance with label directions and usage. In no event shall Seller's liability exceed the purchase price of this product.