

Reason For Issue:  
For submission to EPA. Adding Dog & Kennel Claims.

Date Issued: 5/15/87 (Green)

Prev. Date Issued: 4/23/87

(9-Square Logo)

PURINA

(3-Row Checkerband)

HARD HITTER 5.7%  
BRAND

EPA Reg. No. 602-314

Emulsifiable Concentrate

ACTIVE INGREDIENT:

Permethrin (3-Phenoxyphenyl) methyl (±) cis, trans -3-  
(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate \*... 5.7%  
INERT INGREDIENTS..... 94.3%  
100.0%

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

Contains 50 grams per liter (1.67 oz active ingredient per quart)

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Side Panel For Additional Precautionary Statements  
and Statement of Practical Treatment

PRECAUCION

AL USUARIO: Si usted no lee ingles, no use esta producto hasta que la  
etiqueta le haya sido explicada ampliamente.

(English Translation)

CAUTION

TO THE USER: If you cannot read English, do not use this product until  
the label has been fully explained to you.

US Patent No. 4,024,163

NET 32 FL OZ (1 QT)

D-3903

JAN 13 1988

Manufactured By  
PURINA MILLS, INC.  
P.O. Box 66812

St. Louis, Missouri 63166-6812 U.S.A.

NET 1 QT  
PURINA HARD HITTER 5.7%  
BRAND

Right Side Panel

**DIRECTIONS FOR USE**

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

Apply PURINA HARD HITTER 5.7% according to the following table:

TARGET SPECIES	METHOD OF APPLICATION	DILUTE	APPLICATION RATE
<b>LACTATING AND NON-LACTATING DAIRY CATTLE AND GOATS, BEEF CATTLE, HORSES AND SHEEP</b>			
Horn Flies, Face Flies, Stable Flies, House Flies, Horse Flies, Black Flies, Mosquitos, Eye Gnats, Mange, Scabies, Ticks, Lice, and Sheep Keds	Sprayer	1 quart to 25 gallons water (2-1/2 tbs/gal)	1-2 quarts of spray per animal over whole body surface. For mange, lice and scabies, be sure to thoroughly soak animal and apply a second treatment at 14 days.
Horn Flies, Lice	Sprayer	1 quart to 50 gals. water (1 tbs/gal)	Spray until entire animal thoroughly covered. For lice a second treatment at 14 days is recommended.
Horn Flies, Face Flies, Stable Flies, Ear Ticks	Low Pressure Sprayer	1 quart to 2-1/2 gals. water (6 tbs/qt)	1-2 oz spray per animal. Spot treat back, face, legs and ears.
Horn Flies, Face Flies, Stable Flies, Ear Ticks	Backrubber/ Self Oiler	1 quart to 10 gals. diesel oil (6 tbs/gal)	Keep rubbing device charged. Results improved by daily forced use.
<b>POULTRY AND SWINE</b>			
Lice, Northern Fowl Mites, Mange	Sprayer	1 quart to 25 gals. water (2-1/2 tbs/gal)	POULTRY: 1 gal spray per 100 birds, paying particular attention to vent. SWINE: Thoroughly soak, including ears. Repeat at 14 days. Spray walls and change bedding. For maintenance prevention of non-clinical hog mange spray concentrate may be halved (1 quart to 50 gallons water).
<b>For swine allow 5 days between last treatment and slaughter</b>			
<b>DOGS</b>			
Fleas, Ticks, Lice, Mange (Sarcoptic), Mites	Dip Sponge on	1 qt. to 32 gals. water or 1 ounce to 1 gal. water	TO DIP A DOG: Place dog into mixed dipping solution. <u>Do not</u> submerge the dog's head below the surface of the dipping solution. The head and any part of the dog's body not submerged should be treated by pouring the dipping solution over it or by sponging (particularly around the eyes and ears and mouth) on dipping solution. Remove the dog from the dipping solution as soon as possible and do not allow the dog to remain in the dipping solution for more than 30 seconds.

Right Side Panel (Continued)DIRECTIONS FOR USE (Continued)DOGS (continued)

	Spray	1 qt. to 32 gals. water or 1 ounce to 1 gal. water	Spray dog with low pressure diluted solution until wetted. It may be necessary to sponge area around eyes, ears and mouth. Do not spray directly into eyes, ears or mouth.
	Pour on	1 qt. to 32 gals. water or 1 ounce to 1 gal. water	To pour a dog, secure dog and pour over dog along the midline of the back mixed pour-on solution. Any part of the dog's body not treated by pouring solution over it should be sponge treated or swabed, particularly around the eyes, ears and mouth.
PREMISES-Dairies, Barns, Feedlots, Stables, Poultry Houses, House Flies, Stable Flies and Other Manure Breeding Flies. Also aids in control of Cockroaches, Ants, Spiders, Mosquitos, Crickets and Face Flies			Swine and Livestock Housing
	Sprayer	1 qt. to 12-1/2 gals. water (5 tbs/gal)**	Spray to point of run-off. As a guide use 1 gal spray per 750 sq. ft. (400-1400 sq. ft.)
Kills fleas and ticks (as spray) *	Mist Sprayer	Ready-To-Use	Direct 4 oz. onto 1000 sq. ft. of surface.
	Overhead Space Spray System	1 qt. to 12-1/2 gal diesel or mineral oil (5 tbs/gal)	4 oz. spray per 1000 cu. ft. of air space.
Do not use in milk rooms. For space spraying do not remain in treated areas and ventilate before reoccupying. Animals should be removed from area prior to treatment.			
*FOR DOG HOUSES, KENNELS, RUNS AND YARDS. Do not allow reentry until spray has dried.			
<u>EXTERIOR BUILDING STRUCTURES</u>			
Cluster Flies	Mist Sprayer	Ready-To Use	Direct 5 oz onto 1000 sq. ft. of surface concentrating on eaves, roof gables and attics.

Repeat treatment as needed, but not more than once every 2 weeks.

Spray directly to walls and ceiling as residue surface treatment only. Do not treat manure or litter. The use of any residual fly spray should be supplemented with proper manure management and general sanitation to reduce or eliminate fly breeding sites.

\*\*It is permissible to double this concentration for premise application under severe fly pressure.

Left Side Panel**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS****CAUTION****AVOID CONTACT WITH SKIN AND EYES  
AVOID BREATHING SPRAY MIST**

**STATEMENT OF PRACTICAL TREATMENT:** In case of eye or skin contact, immediately flush eyes with plenty of water or wash skin with soap and water. Get medical attention if discomfort persists.

**if Swallowed :** Call a physician. Vomiting should be supervised by a physician or the qualified professional medical staff because of the possible pulmonary damage via aspiration of the solvent.

**ENVIRONMENTAL HAZARDS:** This pesticide is extremely toxic to fish. Use with care when applying to areas adjacent to any body of water. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

**PHYSICAL, OR CHEMICAL HAZARDS:** Do not use or store near heat or open flame.

**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. Protect from freezing.

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

In case of spill on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical wastes area and dispose of in accordance with state and local regulations.

**Container Disposal :** Triple rinse (or equivalent). Then dispose of in a sanitary landfill or incineration or by other approved state and local procedures.

**NOTICE TO BUYER AND USER:** Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Seller, and Buyer and User assume the risk of any such use. **SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.**

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