



HARD HITTER® 5.7%

Emulsifiable Concentrate

ACTIVE INGREDIENT

Ipermethrin (3-Phenoxyphenyl) methyl (-) cis, trans-3
(2,2-dichloroethyl) 2,2-dimethylcyclopropanecarboxylate* 5.7%

INERT INGREDIENTS 94.3%

*Cis:trans ratio: Min 35% (-) cis and max 65% (-) trans 100.0%

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

PRECAUTION

AL USUARIO: Si usted no lee inglés, no use este 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

DIRECTIONS FOR USE

This 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
LACTATING AND NON-LACTATING DAIRY CATTLE AND GOATS, BEEF CATTLE, HORSES AND SHEEP			
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 lbs/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 lbs/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 lbs/qt)	1-2 oz spray per animal. Spot treat back, face, eye, and ears
Horn Flies, Face Flies, Stable Flies, Ear Ticks	Backrubber/Self Oiler	1 quart to 10 gals. diesel oil (6 lbs/gal)	Keep rubbing device charged. Results improved by daily forced use
POULTRY AND SWINE			
Lice, Northern Fowl Mites, Mange	Sprayer	1 quart to 25 gals. water (2 1/2 lbs/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)
For swine allow 14 days between treatments and slaughter			

TARGET SPECIES	METHOD OF APPLICATION	DILUTE	APPLICATION RATE
DOGS			
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. Do not 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.
	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	POUR ON TREATMENT FOR DOGS: Secure dog and pour over dog along 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 swabbed, particularly around the eyes, ears and mouth.
PREMISES-Dairies, Barns, Feedlots, Stables, Poultry Houses, Swine and Livestock Housing			
House Flies, Stable Flies, and Other Manure Breeding Flies. Also aids in control of cock roaches, Ants, Spiders, Mosquitos, Crickets and Face Flies	Sprayer	1 qt. to 12 1/2 gals. water (5 lbs/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 lbs/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.			
EXTERIOR BUILDING STRUCTURES			
Cluster Flies	Mist Sprayer	Ready To Use	Direct 5 oz. onto 1000 sq. ft. of surface concentrating on eave roof gables and

Repeat treatment as needed, but not more than once every 2 weeks. Spray directly to walls and ceiling as residue surface treatment for manure or litter. The use of any residual fly spray should be with proper manure management and general sanitation to reduce fly breeding sites.

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

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 immediately flush eyes with plenty of water or wash skin with soap. Get medical attention if discomfort persists.

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

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

PHYSICAL OR CHEMICAL HAZARDS: Do not use or store near 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 feed. Protect from freezing.

Pesticide Disposal: Wastes resulting from the use of this product should 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, ear 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 container by landfill or incineration or by other approved state and local procedure.

NOTICE TO BUYER AND USER: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the conditions of use. This warranty does not extend to the use of the product in a manner contrary to label instructions, or under abnormal use conditions. Conditions not reasonably foreseeable to Seller, and Buyer and the risk of any such use. **SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF 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 AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE THE REFUND OF THE PURCHASE PRICE.**

EPA Est No 602-MO-1

NOT REVIEWED

In accordance with PR Notice 82-2.

Based on draft labelling dated 3/1/82

NET 32 FL OZ (1 QT)



Manufactured by
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