

REVISED AMENDED LABEL 6/17/85

432-688 PMT

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# PYRETHRINS/PIPERONYL BUTOXIDE TRANSPARENT EMULSION\*\* SPRAY 0.1%+1.0%

**AN INSECTICIDE FOR CONTROL OF HOUSE FLIES, MOSQUITOES, GNATS (MIDGES), WASPS, SMALL FLYING MOTHS (MILLERS), COCKROACHES (WATERBUGS), ANTS, SILVERFISH, CRICKETS, FLEAS, EARWIGS, CENTIPEDES, SOWBUGS (PILLBUGS), BOXELDER BUGS, HORN FLIES, FACE FLIES, DEER FLIES, STABLE FLIES, HORSE FLIES, SUCKING AND BITING LICE, TICKS, SHEEP KEDS, BED BUGS, AND POULTRY MITES.**  
Authorized by USDA For Use in Edible Product Areas Of Official Establishments Operating Under The Meat, Poultry, Shell Egg Grading, and Egg Products Inspection Program.

**BEST AVAILABLE COPY**

**ACTIVE INGREDIENTS:**

Pyrethrins.....	0.1% w/w
*Piperonyl Butoxide, Technical.....	1.0%
<b>INERT INGREDIENTS:</b> .....	98.9%
	100.0% w/w

\*Equivalent to 0.8% (butyl carbaryl) (8-propyl piperonyl) ether and 0.2% related compounds.  
\*\*U.S. Patent No. 3,683,078.

**PRECAUCION AL CONSUMIDOR:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.  
**(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS AND  
STATEMENT OF PRACTICAL TREATMENT

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Harmful if swallowed or absorbed through skin. Avoid breathing vapors. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Do not apply directly to food or feedstuffs. In commercial food handling facilities, cover or remove any food and food processing equipment during application. Do not apply when food processing is underway. After each spraying in bakeries and other food processing plants, wash all equipment, benches, shelving, etc. where exposed food will be handled with potable water. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Remove pets, and cover fish aquariums before space spraying.

**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. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.  
If in eyes: Flush with plenty of water. Get medical attention.  
If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

**PHYSICAL AND CHEMICAL HAZARDS**

Do not expose this waterbase formulation to temperatures below 32°F (0°C). Do not apply this product in sunbaths, motor housings, junctions, and switch boxes or other electrical equipment because of possible shock hazard. Do not use on surfaces that can be stained or harmed by water.

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

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.  
**STORAGE:** Do not store this waterbase formulation at temperatures below 32°F (0°C). For Containers One Gallon and Under: Store product in original container in a locked storage area.  
**PESTICIDE DISPOSAL:** For Containers Over One Gallon: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.  
**CONTAINER DISPOSAL:** For Containers One Gallon and Under: Do not reuse empty container. Wrap container and put in trash.  
For Containers Over One Gallon: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and Local authorities.

EPA Reg. No. 432-688      EPA Est. 432-NJ-1      F

NET CONTENTS: **CONFIDENTIAL UNTIL ACCEPTED BY EPA**  
JUL 17 1985

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under 432-688

**PENICK** Penick Corporation  
1050 W 4th Street West, Lyndhurst, N.J. 07071 U.S.A.

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**DIRECTIONS FOR USE (Continued)**

**EPA Reg. No. 432-688**

**INDOORS:** For use in Hotels, Motels, Homes, Preschools, Apartment Buildings, Commercial, Office, Institutional and Storage Buildings, Recreational Buildings, Packaging and Processing Plants, Milk Handling Areas of Milk Plants, Milk Storage Rooms, Egg Processing Plants, Supermarkets, Restaurants, Bottling Plants, Canneries, Flour and Feed Mills, Bakeries, Boats, Ship Cabins, and Hospitals. In Hospitals Patients Should Be Removed Prior to Treatment. Also For Use in Campers, Mobile Homes, Buses, Automobiles, Trucks, Boxcars and Ship Cargo Holds. Also For Use in Barns, Stables, Kennels, Poultry Houses, And Other Animal Quarters. When Spraying in Animal Quarters, DO NOT SPRAY FOOD OR FEED ITEMS. DO NOT APPLY OR ALLOW TO CONTACT PLANTS BECAUSE OF POSSIBLE INJURY.

**NOTE TO PEST CONTROL OPERATORS:** One gal. (3.79 L) of spray is sufficient to treat 1500 linear feet (457 m) with a 6 in. (15 cm) spray band.

**GENERAL INFORMATION:** Use this product undiluted or mix with water as shown in the SPRAY DILUTION CHART. Use the 0.1 + 1.0 spray to control flying and crawling insects. For animal treatment, use the 0.1 + 1.0 spray to kill and repel flying insects, and the 0.01 + 0.1 dilution to control lice, fleas, ticks and sheep keds. Poultry should only be treated with the 0.01 + 0.1 dilution.

SPRAY DILUTION CHART			
Amount Of Spray Mixture Desired		Amount of Pyrethrins/PBO TES 0.1% + 1.0% Required to Achieve a 0.01% + 0.1% Spray	
Gallons	Liters		
1	3.79	13 fl oz	(384 ml)
3	11.37	1-1/4 qt	(1.18 L)
5	18.95	2 qt	(1.89 L)
10	37.90	1 gal	(3.79 L)

NOTE: 1 Fluid Ounce = 2 Tablespoons = 6 Teaspoons = 29.574 ml.

**INDOORS**

**SPACE SPRAY:** To Control House Flies, Mosquitoes, Gnats (Midges), Wasps, and Small Flying Moths (Millers): Close all doors, windows and ventilators. Adjust spray equipment to deliver a fine mist and direct the nozzle upward and outward in all directions. Fill the room with mist at the rate of 0.5 to 1 oz of spray for each 1,000 cu. ft. (28.3 cu m) of space. Keep the area closed for 15 minutes, then thoroughly ventilate before entering the treated area.

**TO CONTROL BED BUGS AND MITES IN POULTRY HOUSES:** Apply as a crack and crevice/spot treatment with a coarse spray to areas where the bed bugs and mites hide, such as cracks in walls and floor, crevices, roset poles and nests.

**TO KILL BEDBUGS AND LICE:** Apply as a spot treatment to cracks and crevices around beds, floors, floorboards, bedposts and walls. First, vacuum, clean and air mattresses and springs. Then spray the only areas that may harbor pests, concentrating on tufts, folds, and seams. Repeat as necessary. For persistent infestations, consult professional applicator.

**CONTACT SPRAY:** To kill cockroaches (waterbugs), fleas, earwigs, (pillbugs), boxelder bugs, ants, silverfish (firebrats) and crickets: Adjust spray to wetting type spray particles. Direct spray to contact insects in cracks and crevices, baseboards, around pipes, behind cabinets and other harborages. Kill as many as possible. Apply the spray to the point of run-off. Repeat as necessary.

**OUTDOORS**

**DO NOT TREAT OR ALLOW THE SPRAY TO CONTACT PLANTS (LAWNS, PLANTS, SHRUBS, TREES, EVERGREENS, ETC.) BECAUSE OF POSSIBLE INJURY TO HOUSE FLIES, MOSQUITOES, GNATS, FLYING MOTHS (MILLERS), AND WASPS.** For outdoor use as an aid in reducing annoyance from these insects in municipalities, playgrounds, stadiums, open-air theatres, recreational areas, dump areas, compost piles. Treat the area with 1.5 gal per a (1.4 L/ha). Spray garbage cans, barbecue pits, compost and manure piles and other breeding areas until thoroughly wet. Spray outside surfaces of tents, lean to, and shelters in camp areas outside of barns, dairies, kennels, creameries, food processing plants, and feed surfaces are thoroughly wet, paying particular attention to screens, doors, windows wherever these insects may enter the room. Also treat surfaces around outdoor porches, in garages, and other places where these insects alight or congregate as necessary.

**ANIMAL TREATMENT:** To kill and repel House Flies, Horn Flies, Face Flies, Deer Flies and Horse Flies on Dairy and Beef Cattle, Horses, Dogs, Hogs, Sheep and Goats: Use the 0.1% + 1.0% undiluted spray as a coarse particle spray at the rate of 2 oz per animal on a daily basis. Apply sufficiently to wet the hair but not to soak the hide. If repellency is desired, use up to 1-2 qt (0.95 to 1.89 L) applied to all parts of an animal mature cow. This latter treatment will protect for 3-5 days from stable flies, horn flies and house flies, and offers up to 3 days protection from horse flies and deer flies spraying in eyes. Repeat as necessary. Any animals made nervous by the sound of spray can be treated by applying the material with a sponge. Applicator should wear clothing and gloves for sponging.

**For Control of Sucking and Biting Lice, Fleas, Ticks and Sheep Keds on Dairy and Horses, Dogs, Hogs, Sheep and Goats:** Use the 0.01% + 0.1% dilution as a dip or spray. As a spray, make sure the animal hair is thoroughly wet including the head and tail. Repeat treatment in ten days to kill newly hatched insects.

**For Biting Lice, Fleas, Ticks, Bedbugs, and Mites on Poultry:** Use The 0.01% + 0.1% dilution to treat the birds by dipping them in the solution while holding the wings away from the body to insure thorough coverage. To avoid chilling of the poultry, dip on a warm day, or in a building. Applicator should wear protective clothing and gloves.

**WARRANTY STATEMENT**

Our recommendations for use of this product are based upon tests believed to be representative of use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practices. The buyer must assume all responsibility including injury or damage, resulting from its misuse as such, or in combination with other materials.

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ACCEPTED BY EPA**