

PYRETHRINS/PIPERONYL BUTOXIDE CONCENTRATE 5%-25%

Contains 0.35-0.36 lb/gal (41.9-43.1 g/L) of pyrethrins, and 1.76-1.80 lb/gal (210-216 g/L) of piperonyl butoxide.

FOR PROFESSIONAL USE ONLY:

To be applied only by or under the supervision of Pest Control Operators, Mosquito Abatement Districts, Public Health Organizations and other Trained Personnel responsible for Insect Control Programs.

For indoor or outdoor application as a space, area or contact spray. Dependent upon pests to be controlled and the area to be treated, may be applied through Mechanical Aerosol Generators (ULV) as well as conventional fogging or spraying equipment.

ACTIVE INGREDIENTS:

Pyrethrins	5% w/w
*Piperonyl Butoxide, Technical	25%
Petroleum Distillate	70%

*Equivalent to 20% (butylcarbityl(6-propylpiperonyl)ether and to 5% related compounds.

SPACE AND/OR CONTACT USE AREAS:

Bakeries	Homes
Beverage Plants	Horse Barns
Canneries	Hospitals
Cattle Barns	Hotels
Dried Food Products in storage or processing	Industrial Installations
Flour Mills	Meat Packing Plants
Food Processing plants	Motels
Grain Elevators	Meatmen Production
Granaries	Office Buildings
	Poultry Houses

OUTDOOR USE AREAS:

Corrals	Golf Courses
Drive-in Restaurants	Municipalities
Drive-in Theaters	Parks
Feedlots	Playgrounds

Railroad Cars
Restaurants
Schools
Stored Food in paper or cloth bags
Supermarkets
Swine Houses
Truck Trailers
Warehouses
Zoo

Recreational Areas
Residences
Swine Yards
Zoo

ACCEPTED
APR 2 1985
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 432-612

**KEEP OUT OF REACH OF CHILDREN
CAUTION**
SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

SPECIMEN LABEL

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

lot 2
Pr: 17
432-612

Hazard if swallowed. Food should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before use. When using the product in these areas, apply only when the facility is not in operation.

Do not breathe spray mist. Wear mask or respirator of a type recommended by the U.S. Bureau of Mines to give adequate protection against this material. Wear protective clothing. Wash hands, arms and face with soap and water after handling and before eating or smoking. Wash all contaminated clothing with soap and water before re-use. Remove pets, birds and cover fish aquariums before spraying. When using in animal quarters, do not apply directly to food, water or food supplements. Wash teats of dairy animals before milking.

STATEMENT OF PRACTICAL TREATMENT:
If swallowed: Do not induce vomiting. This product contains aromatic petroleum solvent. Aspiration may be a hazard. Call a physician at once. If in eyes or on skin: Flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

PHYSICAL & CHEMICAL HAZARDS:
Do not use or store near heat or open flame. **FLASH POINT UNKNOWN: 150°F (65°C)**

ENVIRONMENTAL HAZARDS:
This product is toxic to fish. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label. **NOTE:** This spray, when diluted properly as described and applied per the directions and cautions given, conforms with Food Additive Regulations 121.1074, 121.1075 and 121.1285 and the food additive tolerances established thereunder. When diluted with oil as specified on this label for use as an outdoor space spray, this product may be applied in facilities operating under U.S.A. poultry, meat, rabbit and egg products inspection program.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This product is effective in the control of the indicated insects if the applicator follows the directions for use as enumerated below.

Agoutis grain moths, Ants, Beander bugs, Cockroaches, Cheese mites, Cheese shippers, Cigarette beetles, Clover mites, Confused flour beetles, Bark mealworms, Bear flies, Dried fruit beetles, Drugstore beetles, Earwigs, Fruit flies, Grain gnats, Gnats, Grain mites, Granary weevil, Hays flies, Harlequin, Horse flies, Houseflies, Indian meal moths, Lice, Mediterranean flour moths, Mosquitoes, Mustard beetle, Red flour beetles, Rice weevil, Saw-toothed grain beetles, Small Tying moths, Spider beetles, Stable flies, Tobacco moths, Wasps, Yellow mealworms.

EPA Reg. No. 432-612

EPA Est. 432-NJ-1

NET CONTENTS ONE GALLON

PENICK Penick Corporation

1050 Wall Street West, Lyndhurst, NJ 07071 USA

DIRECTIONS FOR USE (Continued from side panel)

USE AS A SPACE SPRAY, UNDILUTED

Close doors and shut off ventilating systems. Use a fogger or vaporizer adjusted to deliver an aerosol spray (no droplets over 50 microns) and 80% less than 30 microns). Apply at a rate of 1/2 ounce per 1000 cu. ft. of space (14.79 ml per 28.3 cu. meters). Spray toward the ceiling and upper corners of the area and behind obstructions. Keep the area closed for at least 15 minutes. Vacate the area and ventilate before reoccupying. Repeat treatment as necessary.

Correct application will kill accessible, exposed stages of flies (including fruit flies) mosquitoes, small flying moths, gnats, wasps, hornets, house flies, cheese shippers, boulder bugs, earwigs, ants, and the following common stored product pests: granary weevil, rice weevil, lesser grain borer, saw-toothed grain borer, spider beetle, cigarette beetle, drugstore beetle, Angoumois grain moth, Mediterranean flour moth, meal moth, tobacco moth, yellow mealworm, dark mealworm, grain mites, cadellid, and red flour beetle.

FOR STORED PRODUCTS: In storage or being processed, for control of confused flour beetle, dried fruit beetle, Indian meal moth, saw-toothed grain borer, and destroy infested products. As noted above, disperse this product as a fine mist in the air above the trays and shelves. Do not spray directly. Use one ounce per 1000 cu. ft. of space (29.57 ml per 28.3 cu. meters). Repeat application at 14 day dosage in any given month. Leave area closed for 1 hour. Do not remain in treated areas and ventilate area before re-entry. This application will kill accessible, exposed stages of insects as well as those pests named above.

FOR STORED PRODUCTS: In multi-bagged bags or in cloth bags in warehouse, storage rooms, flour mills, grain elevators, granaries, for control of saw-toothed grain borer, confused flour beetle, Indian meal moth, Mediterranean flour moth, rice weevil, saw-toothed grain borer, yellow mealworm, cheese shippers, cigarette beetle, grain mites, granary weevil, dark mealworm, red flour beetle. Remove and destroy insects. As noted above, disperse this product, first directing spray into corners, under pallets, hitting as many insects as possible and then the rest of the area. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose. Use one ounce per 1000 cu. ft. of room space (29.57 ml per 28.3 cu. meters). Repeat applications as necessary for insect control. Leave area closed for 1 hour. Do not remain in treated areas and ventilate area before re-entry. This application will kill accessible, exposed stages of product pests listed above.

USE AS A SPACE SPRAY, DILUTED

Use conventional mechanical fogging equipment to kill house flies, fruit flies, mosquitoes, small flying moths, and gnats. Cover or remove and hand finishing surfaces. Close room and shut off all air conditioning or ventilating equipment. Dilute 1 part of this product plus 49 parts of oil (refined kerosene) and mix well. Apply at the rate of 1-2 fl. ozs. per 1000 cu. ft. (29.57-59.15 ml. per 28.3 cu. meters), filling the room with a fine mist. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment when reinfestation occurs.

FOR SPRAYING: To insure maximum control of crawling insects (ants, boulder bugs, clover mites, drugstore beetle, earwigs, lice, spider beetle) and concentrate plus 49 parts of oil (refined kerosene) and mix well and apply as a coarse droplet spray using approximately 1 gallon to 750 sq. ft. (3.79 liters to 69.63 sq. meters). Spray walls, floors, and other surfaces of bins and storage and handling areas thoroughly, being careful to treat cracks, crevices, and similar hiding places. Treat unloading, handling and processing areas, and inside conveying, processing equipment.

Spray thoroughly around the base of heavy machinery and equipment. Spray insects directly when possible. Thoroughly treat and spray each layer of protection, clean and spray truck beds, trailers, and ship's hold before loading. Thoroughly treat walls and floors and spray each layer of containers lightly as stacked.

FOR GRAIN: To control Indian meal moth and Angoumois grain moth in stored grain, apply to the surface of binned grain at a rate of 1 gal. per 1000 sq. ft. (3.79 liters per 92.9 sq. meters). Apply at monthly intervals with the first appearance of moths and continuing until early fall. In case of severe infestation, break up clumps before spraying and make a second application in two weeks. For control of mosquitoes, gnats, wasps, and stingers; treat walls, ceilings, mouldings, screens, door and window frames, beams, light covers, and other hiding places.

FOR BARN USE: (cattle barns, horse barns, poultry houses, swine houses, zoos) As a space spray diluted for use in conventional mechanical equipment to kill houseflies, mosquitoes, small flying moths, and gnats. Dilute 1 part of concentrate plus 49 parts of oil (refined kerosene) and apply at the rate of 2 fl. ozs. per 1000 cu. ft. of space (59.15 ml per 28.3 cu. meters), above the animals. Direct spray towards the upper part of enclosure, filling the room with mist. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying when reinfestation occurs.

FOR PRODUCTION AND PROCESSING: To control mushroom flies or fungus gnats in growing houses, dilute 1 part of this product plus 49 parts of oil (refined kerosene) and mix well and apply at a rate of 1 oz. per 1000 cu. ft. (29.57 ml per 28.3 cu. meters) of space. Fogger should be placed 2-3 meters away from beds and directed slightly upward over them. Circulating fans should be left in operation, but for best results, should be turned off in packing and canning plants, use at a rate of 1 oz. to 2000 cu. ft. of space (29.57 ml to 56.63 cu. meters).

GROUND APPLICATION, UNDILUTED

For control of mosquitoes, gnats and small flying moths. For best results, apply when there is a light breeze at approximately 5 miles per hour (8 kph). No windward side so the fog will be carried across the area to be treated. Treat shrubbery and vegetation where mosquitoes may rest. Application around stagnant ponds, marshy areas and ponds may be treated. Application of this product to any body of water is prohibited unless as required.

Mounted equipment, the objective is to treat the area with 0.02 to 0.025 pounds (0.91-1.13 gm) of pyrethrin and 0.10 to 0.125 pounds (4.5-5.7 gm) of piperonyl butoxide per acre.

Chemical/PBO 5%-25% Concentrate should be applied without further dilution. Dispense fog at the following flow rates depending upon the speed the truck is moving:

TRUCK SPEED

5 mph (8 kph)

10 mph (16 kph)

and traveling speeds can be varied slightly so long as the basic objective of 0.02 to 0.025 pounds (0.91-1.13 gm) of pyrethrin per acre (1.0-1.25 lb/acre) of PBO (1.13-1.59 gm) for average calculations.

FLOW RATE OF CONCENTRATE

2 to 2.25 R. ozs./min. (59.15-63.54 ml/min.)

4 to 4.50 R. ozs./min. (118.3-127.07 ml/min.)

Directions for Use (continued)

DIRECTIONS (Continued from back panel)

To control mosquito larvae, dilute at the rate of 8 oz. per 50 gals. of oil (295.17 ml per 189.27 liters) and apply at the rate of 20 to 25 gals. per acre (107.06 to 233.85 liters per hectare).

Apply as a coarse wetting spray to the border or on shallow water of wetlands, swamps and marshes where mosquito larvae are known to breed.

TEMPORARY REDUCTION OF ANNOYANCE from houseflies, mosquitoes, and small flying moths outdoors. The aforementioned application for outdoor ground application will afford temporary reduction of annoyance from these pests in public gathering places, drive-in restaurants, drive-in theaters, golf courses, municipalities, parks, playgrounds, and recreational areas. Direct application into tall grasses, shrubbery and around lawns where these pests may hover or rest, apply while air is still. Avoid wetting foliage. Application should be made prior to attendance. Repeat as necessary.

In additional outdoor areas (porches, back lots, picnic lots, and areas) cover water, drinking fountains, and animal feed before use. Fill area with mist directing application into tall grass, shrubbery and around lawns where these pests may hover or rest. Apply while air is still. Avoid wetting foliage. In areas, avoid exposure of reptiles to the product. Repeat as necessary.

FOR USE ON ANIMALS: To protect beef and dairy cattle, horses, and dogs from horse flies, houseflies, mosquitoes, and gnats, dilute 1 part of this product plus 49 parts oil (refined kerosene) and mix well and apply a light mist sufficient to wet the tips of the hair. To control stable flies, horse flies, and deer flies on beef and dairy cattle and horses, apply 2 ozs. (59.15 ml) per adult animal, sufficient to wet the hair but not to soak the hide. Repeat treatment once or twice daily or at intervals. Adhesive conditioned protection. To control the mite stages of head ticks on beef and dairy cattle, apply the spray to the body and wet the hair. Use 2 ozs. (59.15 ml) or less per animal and repeat every 2 to 3 weeks as required.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Do not store at temperatures below 40°F (4.5°C). If this material has been exposed to temperatures below 40°F (4.5°C), there may be precipitation. Check for crystallization. If evident, warm to 80°F (26.5°C) and thoroughly mix before using. **DO NOT USE OPEN FLAME.**

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:** 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.

WARRANTY STATEMENT

Our recommendations for use of this product are based upon tests believed to be reliable. The 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 practice. The buyer must assume all responsibility including injury or damage resulting from its use as well as in combination with other materials.