

PHS-C

SEP 10 1985

Penick Corporation  
1030 Wall Street West  
Lyndhurst, NJ 07071

Attention: Stuart Locke

Gentlemen:

Subject: Pyrethrins/PBO Concentrate 5a-25a  
EPA Registration No. 432-612  
Your Letter of May 21, 1985

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A) is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) 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 sec. 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 yours,

Timothy A. Gardner  
Product Manager (17)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767)

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Enclosure

RD/IRB/JOB-94030;Gardner;RD-46;Kendrick&Co;898-1270;8/22/85;Del.9/3/85;Kim

CONCURRENCES

SYMBOL	DATE	INITIALS	REMARKS	DATE	INITIALS	REMARKS	DATE	INITIALS	REMARKS



## DIRECTIONS FOR USE (Continued from side panel)

### INDOOR USE AS A SPACE SPRAY, UNDILUTED

Close windows and doors and shut off ventilating systems. Use a fogger or vaporizer adjusted to deliver an aerosol spray (no droplets over 50 microns in diameter 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). Direct the spray toward the ceiling and upper corners of the area and behind obstructions. Keep the area closed for at least 15 minutes. Vacate the treated area and ventilate before reoccupying. Repeat treatment as necessary.

The above described application will kill accessible, exposed stages of flies (including fruit flies) mosquitoes, small flying moths, gnats, wasps, hornets, clover mites, cheese mites, cheese skippers, boxelder bugs, earwigs, ants, and the following common stored product pests: granary weevils, rice weevils, confused flour beetles, saw-toothed grain beetles, spider beetles, cigarette beetles, drugstore beetles, Angoumois grain moth, Mediterranean flour moth, Indian meal moth, tobacco moth, yellow mealworms, dark mealworms, grain mites, cadellids, and red flour beetles.

**DRIED FRUIT PRODUCTS** In storage or being processed, for control of confused flour beetles, dried fruit beetles, Indian meal moths, saw-toothed grain beetles. Remove and destroy infested products. As noted above, disperse this product as a fine mist in the air above the trays and shelves. Do not apply to fruit directly. Use one ounce per 1000 cu. ft. of space (29.57 ml per 28.3 cu. meters). Repeat application of this dosage in any given month. Leave the room closed for 1 hour. Do not remain in treated areas and ventilate area before re-entry. This application will kill accessible, exposed stages of dried fruit beetles as well as these pests named above.

**STORED FOOD**—Stored in multi-walled bags or in cloth bags in warehouses, storage rooms, flour mills, grain elevators, granaries, for control of Angoumois grain moth, cadellid, confused flour beetles, Indian meal moths, Mediterranean flour moth, rice weevils, saw-toothed grain beetles, yellow mealworms, cheese mites, cheese skippers, cigarette beetles, grain mites, granary weevils, dark mealworms, red flour beetles. Remove and destroy infested products. As noted above, disperse this product, first directing spray into corners, under pallets, hitting as many insects as possible and then treat as a space spray. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose. Use a dosage of 1 fl. oz. per 1000 cu. ft. of room space (29.57 ml per 28.3 cu. meters). Repeat applications as necessary for insect control. Leave the room closed for 1 hour. Do not remain in treated areas and ventilate area before re-entry. This application will kill accessible, exposed stages of those stored product pests listed above.

### INDOOR USE AS A SPACE SPRAY, DILUTED

For use in conventional mechanical logging equipment, to kill house flies, fruit flies, mosquitoes, small flying moths, and gnats: Cover or remove exposed food and food handling 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 mist. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment when reinfestation occurs.

**SURFACE SPRAY:** To insure maximum control of crawling insects (ants, boxelder bugs, clover mites, drugstore beetles, earwigs, lice, spider beetles) dilute 1 part of 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. of surface (3.78 liters to 69.00 sq. meters). Spray walls, floors, and other surfaces of bins and storage and handling areas thoroughly, being especially careful to treat cracks, crevices, and similar hiding places. Treat unloading, handling and processing areas, and inside conveying, processing and handling equipment.

Spray thoroughly around the base of heavy machinery and equipment. Spray insects directly when possible.

For in-transit protection, clean and spray truck beds, benches, and ship's hold before loading. Thoroughly treat walls and floors and spray each layer of cartons or containers lightly as stacked.

**TO KILL BECOUSS AND LICE:** Apply as a spot treatment to cracks and crevices around baseboards, floorboards, baseboards and walls. First, thoroughly clean and air mattresses and springs. Then spot treat only areas that may harbor pests, concentrating on tufts, folds, and seams. Repeat as necessary. For persistent infestations, consult professional exterminator.

To control Indian meal moth and Angoumois meal 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 webbing with rakes before spraying and make a second application in two weeks.

As an aid in the control of mosquitoes, gnats, wasps, and skippers: treat walls, ceilings, moldings, screens, door and window frames, beams, light cords, and similar resting places.

**ANIMAL QUARTER USE** (cattle barns, horse barns, poultry houses, swine houses, roost): As a space spray diluted for use in conventional mechanical fogging equipment to kill houseflies, mosquitoes, small flying moths, and gnats. Dilute 1 part of concentrate plus 49 parts of oil (refined kerosene) and mix well. 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 portions of the enclosure, filling the room with mist. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment when reinfestation occurs.

**IN MUSHROOM 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 operated 8-10 ft. (2.5-3 meters) away from beds and directed slightly upward over them. Circulating fans should be left in operation, but for best results, refrigeration 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).

### OUTDOOR GROUND APPLICATION, UNDILUTED

To control adult mosquitoes, gnats and small flying moths. For best results, apply when there is a light breeze at approximately 5 miles per hour (8 kph). Apply from the windward side so the fog will be carried across the area to be treated. Treat shrubbery and vegetation where mosquitoes may rest. Shrubby and vegetation around stagnant pools, marshy areas and ponds may be treated. Application of this product to any body of water is prohibited. Repeat treatment as required.

Using truck-mounted equipment, the objective is to treat the area with .002 to .0025 pounds (0.91-1.13 gms) of pyrethrin and 0.10 to 0.125 pounds (4.54-5.67 gms) of piperonyl butoxide per acre.

Penick's Pyrethrin/PRO 5%-25% Concentrate should be applied without further dilution. Disperse fog at the following flow rates depending upon the speed at which the truck is moving:

## DIRECTIONS (Continued from back panel)

To control mosquito larvae, spray at the rate of 1/2 gal. per 50 gals. of oil (29.57 ml per 100.27 liters) and apply at the rate of 20 to 25 gals. per acre (187.08 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 mosquitoes, mosquitoes, and small flying moths outdoors. The above described 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, picnic grounds, parks, playgrounds, and recreational areas. Direct application into tall grasses, shrubbery and around lawns where these pests may breed or rest, apply while air is still. Avoid wetting foliage. Application should be made prior to attendance. Repeat as necessary.

In additional outdoor areas (corrals, feed lots, cow lots, and pens), 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 breed or rest. Apply while air is still. Avoid wetting foliage. In case, avoid exposure of people to the product. Repeat as necessary.

**FOR USE ON ANIMALS:** To protect beef and dairy cattle, horses, and dogs from horn flies, houseflies, mosquitoes, and gnats: dilute 1 part of this product plus 49 parts of oil (refined kerosene) and mix well and apply a light mist sufficient to wet the tips of the hair. To protect 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 at 2-3 intervals to give continued protection. To control the biting stages of blood sucking flies on beef and dairy cattle, apply the spray to thoroughly 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 facts 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 practices. The buyer must assume all responsibility including injury or damage resulting from its misuse as such or in combination with other materials.

