

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

14 JUN 1996

Julie B. Schlekau  
Registration Specialist  
McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, Minnesota 5427-4372

Dear Ms. Schlekau:

Subject: Pyroicide Pressurized Multi-Purpose Spray 7416  
EPA Reg. No. 1021-1666  
Amendment dated 1/5/96

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

You must delete or justify the marketing statement that pests are controlled without persistent residue problems.

Move the statement "Do not use this product in or on electrical equipment due to the possibility of shock hazard" to the Physical or Chemical Hazards section.

In the fleas and ticks directions for use, delete the statement "[use EPA registered product such as]" as this is advertising on the product label.

In the directions for use "Space Treatment Indoors", modify the statement "Before spraying, cover exposed food and utensils" to read as follows:

For use in Food Areas of Food Handling Establishments: When applying space treatment in food handling areas, the food handling operation should be shut down. In food processing areas, all utensils, shelving, etc., where food will be handled should be covered or removed before treatment or washed with an effective cleaning compound followed by a potable water rinse prior to use.

Modify the Disposal Statement to read as follows:

Container Disposal: ~~Secondary~~ <sup>CONCERNANCES</sup> container in sever layers of newspaper and discard in trash.

SYMBOL	PM10						
SURNAME	R. Schlekau						
DATE	6/14/96						

246  
7

In the environmental hazards statement, you may delete everything after the first sentence. The statements about effluent discharge do not typically apply to end-use products.

If you have questions, please call Ann Sibold at 703 305-6502.

Sincerely,

RPK

Richard P. Keigwin, Jr.  
Product Manager 10  
Insecticide & Rodenticide Branch  
Registration Division (7505C)

**MGK** McLAUGHLIN  
GORMLEY  
KING COMPANY

**PYROCID® Pressurized Multi-Purpose Spray 7416**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

14 JUN 1996

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4372 U.S.A.

Under the Federal Insecticide, Fungicide, and Plant Growth Regulator Act, as amended, for the pesticide registered under EPA Reg. No.

1021-1666

TELEPHONE (612) 544-0341

[ ] OR ( ) indicates alternate or optional wording

Contains the botanical insecticide, Pyrethrum [an extract of a Chrysanthemum flower]

Kills [controls] and Repels Stable Flies, Horse Flies, Face Flies, Deer Flies, House Flies, Mosquitoes and Gnats

For use in Animal Quarters, Dairies, Milk Rooms, Milking Parlors, Calving Areas, Dairy and Hog Barns as well as outdoor areas

For use on Beef Cattle, Dairy Cattle, Horses, Hogs, Chickens, and other livestock

Quick killing pyrethrin controls crawling and flying insects in the dairies, barns, storage sites and other listed areas

For Use in Homes For Bedbugs, Clothes Moths, Carpet Beetles, Cockroaches, Fleas, Ticks, and Other Listed Pests.

**ACTIVE INGREDIENTS:**

Pyrethrins .....	0.50%
* Piperonyl butoxide, Technical .....	5.00%
<b>INERT INGREDIENTS</b> .....	<b>94.50%</b>
	<b>100.00%</b>

\* Equivalent to 4.00% (butylcarbityl) (6-propylpiperonyl) ether and 1.00% related compounds.  
PYROCID® - Registered trademark of McLaughlin Gormley King Co.

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED:	Call a physician or Poison Control Center immediately.
IF IN EYES:	Flush with plenty of water. Get medical attention if irritation persists.
IF ON SKIN:	Wash skin with plenty of soap and water. Get medical attention.
IF INHALED:	Remove victim to fresh air. Apply artificial respiration if indicated.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Avoid contamination of food or feedstuffs.

**ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL OR CHEMICAL HAZARDS**

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130° F may cause bursting.

[PYROCID® Pressurized Multi-Purpose Spray 7416] [brand name] contains the quick killing botanical insecticide, Pyrethrum, [an extract of a Chrysanthemum flower], which provides effective, control of insects upon direct contact with an added benefit of flushing [repelling] these insects to aid in a more complete control [kill].

[PYROCID® Pressurized Multi-Purpose Spray 7416] [brand name] can be used in listed animal quarters. [This product] provides fast.

**PHYSICAL OR CHEMICAL HAZARDS**

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130° F may cause bursting.

496

[PYROCIDE® Pressurized Multi-Purpose Spray 7416] [brand name] contains the quick killing botanical insecticide, Pyrethrum, [an extract of a Chrysanthemum flower], which provides effective control of insects upon direct contact with an added benefit of flushing [repelling] these insects to aid in a more complete control [kill].

[PYROCIDE® Pressurized Multi-Purpose Spray 7416] [brand name] can be used in listed animal quarters. [This product] provides fast, effective control [kill] and repellancy of the listed pests. [PYROCIDE® Pressurized Multi-Purpose Spray 7416] [brand name] can also be used on listed livestock and horses for quick control [kill] of pests on these animals.

[PYROCIDE® Pressurized Multi-Purpose Spray 7416] [brand name] can be used in listed pet quarters. [This product] [brand name] provides fast, effective control [kill] and repellancy of the listed pests.

[PYROCIDE® Pressurized Multi-Purpose Spray 7416] [brand name] can be used in restaurants and other listed areas to control [kill], on contact, listed crawling pests and is a fast, effective product for flying insect control. Effectively controls exposed stages of stored product pests without persistent residue problems.

For use in: Animal Holding Areas, Animal Quarters, Ant Hills, Attics, Barns, Beef Barns, Bottling Plants, Buildings Housing Animals or Poultry, Calving Barns, Canneries, Commercial Buildings, Crematoriums, Dairy Barns, Dairies, Dried Fruit Storage Areas, Dumpsters, Factories, Farm Structures, Food Processing Plants, Food Storage Areas, Funeral Parlors, Garbage Cans, Goat Holding Areas, Grain Elevators, Grain Storage, Hog Barns, Homes, Horse Stables, Hotels, Industrial Plants, Institutions, Kennels, Kitchens, Livestock Holding Areas, Loafing Sheds, Mausoleums, Milk Houses, Milk Rooms, Milk Sheds, Milking Rooms, Mortuaries, Pet Sleeping Areas, Poultry Houses, Railroad Cars, Restaurants, Rice Mills, Seed Storage, Sheep Holding Areas, Ships, Stables, Storage Areas [Sites], Stored Products, Supermarkets, Swine Houses, Theaters, Tobacco Warehouses, Trailers, Trucks, Utility Rooms, Veterinaries, Warehouses, Washrooms, Wheat Mills.

**DIRECTIONS FOR USE**

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

**READ ALL DIRECTIONS COMPLETELY BEFORE USE**

For most effective results, follow directions for specific use areas. Do not use this product in or on electrical equipment due to possibility of shock hazard.

**SHAKE BEFORE USE AND AT INTERVALS DURING PROLONGED USE.** Hold container upright with nozzle away from face. Press valve down and spray as directed.

**FOR USE IN ANIMAL QUARTERS, Barns, Dairies, Milking Parlors, Milking Rooms, Poultry Houses and other listed animal areas:** For rapid control [kill] of Flies, Mosquitoes, Gnats, Stable Fly, House Fly, Horse Fly, Lesser House Fly, Deer Fly, Horn Fly, Black Fly: Spray at the rate of 5 to 10 seconds per 1000 cubic feet of space directing the spray toward the ceiling and upper corners and not directly towards the animals or birds. For best results, close doors and windows if possible, before spraying and keep them closed for 10 to 15 minutes. Applicator should vacate the treated area and ventilate it prior to returning. Repeat as necessary.

**FOR USE ON LIVESTOCK:**

To protect beef cattle, dairy cattle, horses and other livestock from attacks and to kill and repel Stable Flies, Horse Flies, Deer Flies, House Flies, Horn Flies, Lesser House Flies, Mosquitoes and Gnats, spray about 3 seconds on each side being careful to spray back, withers and forelegs thoroughly. Repeat as necessary.

To protect from Face Flies, spray the face and head or spray on a cloth and rub on the face being certain to avoid contact with the eyes. Repeat treatment as necessary when flies are troublesome.

For effective control of biting and sucking lice on cattle, horses, sheep, goats and hogs, spray to thoroughly wet the hair of the animal including the head and brush of the tail. Repeat treatment in 10 days to kill newly hatched lice.

For control poultry lice and exposed stages of Darkling Beetles, spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist. Repeat as necessary.

For control of bedbugs and mites on poultry and in poultry houses, spray crevices of roost poles, cracks in walls and cracks in nests where the bedbugs and mites hide. This should be followed by spraying over the birds with a fine mist. Repeat as necessary.

To control sheep "tick" or ked, thoroughly wet all portions of the body by spraying directly into the wool. Treat at a rate to sufficiently wet the animal. Repeat as necessary.

To kill fleas and Ixodid ticks on livestock and to obtain protection against reinfestation, spray to wet animal. Repeat as necessary.

**SPACE TREATMENT INDOORS:**

For maximum efficacy, close all doors and windows, turn off fans and air conditioner and spray upward into center of room with slow sweeping motion. Spray 5 to 10 seconds for average size room [1,000 cubic feet] [10 ft. x 12 ft. x 8 ft.]. Keep room closed for 15 minutes after spraying. Ventilate room for 5 minutes before entry. Before spraying, cover exposed food and utensils.

**FLIES, GNATS, MOSQUITOES, FLYING MOTHS, exposed stages of Indian Meal Moth, Angoumois Grain Moth, Tobacco Moth, Clothes Moth,**

**FOR USE ON LIVESTOCK:**

596

To protect beef cattle, dairy cattle, horses and other livestock from attacks and to kill and repel Stable Flies, Horse Flies, Deer Flies, House Flies, Horn Flies, Lesser House Flies, Mosquitoes and Gnats, spray about 3 seconds on each side being careful to spray back, withers and forelegs thoroughly. Repeat as necessary.

To protect from Face Flies, spray the face and head or spray on a cloth and rub on the face being certain to avoid contact with the eyes. Repeat treatment as necessary when flies are troublesome.

For effective control of biting and sucking lice on cattle, horses, sheep, goats and hogs, spray to thoroughly wet the hair of the animal including the head and brush of the tail. Repeat treatment in 10 days to kill newly hatched lice.

control poultry lice and exposed stages of Darkling Beetles, spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist. Repeat as necessary.

For control of bedbugs and mites on poultry and in poultry houses, spray crevices of roost poles, cracks in walls and cracks in nests where the bedbugs and mites hide. This should be followed by spraying over the birds with a fine mist. Repeat as necessary.

To control sheep "tick" or ked, thoroughly wet all portions of the body by spraying directly into the wool. Treat at a rate to sufficiently wet the animal. Repeat as necessary.

To kill fleas and Ixodid ticks on livestock and to obtain protection against reinfestation, spray to wet animal. Repeat as necessary.

**SPACE TREATMENT INDOORS:**

For maximum efficacy, close all doors and windows, turn off fans and air conditioner and spray upward into center of room with slow sweeping motion. Spray 5 to 10 seconds for average size room [1,000 cubic feet] [10 ft. x 12 ft. x 8 ft.]. Keep room closed for 15 minutes after spraying. Ventilate room for 5 minutes before entry. Before spraying, cover exposed food and utensils.

**FLIES, GNATS, MOSQUITOES, FLYING MOTHS, exposed stages of Indian Meal Moth, Angoumois Grain Moth, Tobacco Moth, Clothes Moth, Chocolate Moth, Almond Moth, Miller Moth and other listed flying insects:** Direct spray into all parts of the room, with special attention to hiding places. Sweep up and destroy fallen insects. Repeat as necessary.

**SPACE TREATMENT OUTDOORS:**

**ADULT MOSQUITO, GNAT, MIDGE, FLY AND FLYING INSECT CONTROL:** Use prior to entry outdoors to reduce annoyance from these and other flying pests. Spray around patio, porches, gazebos, shrubbery, vegetation and any other listed areas where mosquitoes may rest. For best results, treat when the wind velocity does not exceed 5 miles per hour. Repeat as necessary.

**EXPOSED STAGES of Indian Meal Moth, Angoumois Grain Moth, Tobacco Moth, Chocolate Moth, Almond Moth, Millers and other flying moths:** Direct spray into all parts of room, especially around stored food product containers, pallets and darkened areas. Infested stored products should be fumigated or treated with EPA approved products [such as] [brand name]. Repeat as necessary.

**SURFACE TREATMENT INDOOR:**

Contact as many insects as possible with this spray. Apply spray at the rate of 30 seconds for each 100 square feet of surface area. Keep area closed for 45 minutes after treatment. Ventilate room 20 minutes before re-entry.

**COCKROACHES [Smoky Brown Cockroach, Brown Banded Cockroach, Asian Cockroach, German Cockroach, American Cockroach, Australian Cockroach, Oriental Cockroach, (Waterbugs, Palmetto Bugs)], Crickets, Firebrat, Silverfish, Booklice, Scorpions, Spiders, Centipedes, Sowbugs, Pillbugs, Earwigs, Clover Mites, Lice and Millipedes:** Thoroughly spray all parts of the room suspected of harboring these pests. Special attention should be paid to hiding places such as crack and crevices, behind and beneath sinks, stoves, refrigerators, around garbage cans, cabinets, along baseboards, door sills, frames and floors, around drains, pipes, plumbing, behind bookcases, storage and other utility installation areas contacting insects with spray whenever possible. Repeat as necessary.

**EXPOSED STAGES of Flour Beetles, Cadelles, Rice Weevils, Flat Grain Beetles, Cigarette Beetle, Confused Flour Beetle, Drugstore Beetle, Lesser Grain Borer, Merchant Grain Beetle, Sawtoothed Grain Beetle, Grain Weevils, Warehouse Beetle, Red Flour Beetle, Grain Mites, Cheesemites, Flour Beetles, and Indian Mealworm.** Find and destroy infested package goods [sacks] (boxes) (cartons) (containers)]. Remove all other items from shelves and drawers and clean thoroughly. Spray into cracks and crevices, shelves, drawers, cabinets, processing and handling equipment, around cartons or containers and other areas where these insects tend to congregate. Repeat as necessary.

**FOR USE IN CANNERIES:** Thoroughly clean floors, conveying equipment and walls, with special attention to cracks and crevices, prior to bringing in produce. Spray the entire space inside of the cannery including walls, ceiling and floors, paying special attention to forcing the spray into all cracks and crevices for the control of ants, cockroaches, silverfish, crickets, spiders, fruit flies, moths, house flies, cheese mites and other listed insects. Repeat as necessary.

**FOR USE IN FOOD AND NONFOOD AREAS OF FOOD PROCESSING PLANTS, Industrial Installations, Bakeries, Rice and Wheat Mills, Restaurants, Tobacco Warehouses, Grain Elevators and Warehouses:** Spray as directed to control listed flying and crawling insects. The use of this product in food processing or food handling establishments should be confined to time periods when the plant is not in operation. Food should be covered or removed during treatment. Repeat as necessary.

**FOR USE IN STORAGE SITES:** This product can be used in warehouse bins and trucks, cargo ships, mills, bin hoppers, elevators and conveying equipment as a clean up prior to using them for storage. In mills and elevators, all grain infested accumulations should be removed from the bin hoppers. All storage and conveying equipment should be thoroughly cleaned by sweeping out the waste grain, cobwebs and other debris from the walls and rafters as well as on the floor and door frames with special attention to material lodged in the cracks and crevices. All of the debris should be removed and burned to kill eggs and insects that might be present.

**FOR FARMS,** particular attention should be given to cleaning up around the used feed and grain bags, grain residues from wagons, harvesting equipment and feed troughs. Newly harvested grain should not be placed in the same bin with carry-over grain and all carry-over grain stocks that are not treated with grain protectant should be fumigated. These cleaning operations should be done within two or three weeks before harvest.

After above sanitation measures have been employed, spray all areas prior to use for storage as directed.

EXPOSED STAGES of Indian Meal Moth, Angoumois Grain Moth, Tobacco Moth, Chocolate Moth, Almond Moth, Millers and other flying moths: Direct spray into all parts of room, especially around stored food product containers, pallets and darkened areas. Infested stored products should be fumigated or treated with EPA approved products [such as] [brand name]. Repeat as necessary.

696

**SURFACE TREATMENT INDOOR:**

Contact as many insects as possible with this spray. Apply spray at the rate of 30 seconds for each 100 square feet of surface area. Keep area closed for 45 minutes after treatment. Ventilate room 20 minutes before re-entry.

**COCKROACHES** [Smoky Brown Cockroach, Brown Banded Cockroach, Asian Cockroach, German Cockroach, American Cockroach, Australian Cockroach, Oriental Cockroach, (Waterbugs, Palmetto Bugs)], Crickets, Firebrat, Silverfish, Booklice, Scorpions, Spiders, Centipedes, Sowbugs, Pillbugs, Earwigs, Clover Mites, Lice and Millipedes: Thoroughly spray all parts of the room suspected of harboring these pests. Special attention should be paid to hiding places such as crack and crevices, behind and beneath sinks, stoves, refrigerators, around garbage cans, cabinets, along baseboards, door sills, frames and floors, around drains, pipes, plumbing, behind bookcases, storage and other utility installation areas contacting insects with spray whenever possible. Repeat as necessary.

**EXPOSED STAGES of Flour Beetles, Cadelles, Rice Weevils, Flat Grain Beetles, Cigarette Beetle, Confused Flour Beetle, Drugstore Beetle, Lesser Grain Borer, Merchant Grain Beetle, Sawtoothed Grain Beetle, Grain Weevils, Warehouse Beetle, Red Flour Beetle, Grain Mites, Cheesemites, Flour Beetles, and Indian Mealworm.** Find and destroy infested package goods [sacks] (boxés) (cartons) (containers)]. Remove all other items from shelves and drawers and clean thoroughly. Spray into cracks and crevices, shelves, drawers, cabinets, processing and handling equipment, around cartons or containers and other areas where these insects tend to congregate. Repeat as necessary.

**FOR USE IN CANNERIES:** Thoroughly clean floors, conveying equipment and walls, with special attention to cracks and crevices, prior to bringing in produce. Spray the entire space inside of the cannery including walls, ceiling and floors, paying special attention to forcing the spray into all cracks and crevices for the control of ants, cockroaches, silverfish, crickets, spiders, fruit flies, moths, house flies, cheese mites and other listed insects. Repeat as necessary.

**FOR USE IN FOOD AND NONFOOD AREAS OF FOOD PROCESSING PLANTS, Industrial Installations, Bakeries, Rice and Wheat Mills, Restaurants, Tobacco Warehouses, Grain Elevators and Warehouses:** Spray as directed to control listed flying and crawling insects. The use of this product in food processing or food handling establishments should be confined to time periods when the plant is not in operation. Food should be covered or removed during treatment. Repeat as necessary.

**FOR USE IN STORAGE SITES:** This product can be used in warehouse bins and trucks, cargo ships, mills, bin hoppers, elevators and conveying equipment as a clean up prior to using them for storage. In mills and elevators, all grain infested accumulations should be removed from the bin hoppers. All storage and conveying equipment should be thoroughly cleaned by sweeping out the waste grain, cobwebs and other debris from the walls and rafters as well as on the floor and door frames with special attention to material lodged in the cracks and crevices. All of the debris should be removed and burned to kill eggs and insects that might be present.

**FOR FARMS,** particular attention should be given to cleaning up around the used feed and grain bags, grain residues from wagons, harvesting equipment and feed troughs. Newly harvested grain should not be placed in the same bin with carry-over grain and all carry-over grain stocks that are not treated with grain protectant should be fumigated. These cleaning operations should be done within two or three weeks before harvest.

After above sanitation measures have been employed, spray all areas prior to use for storage as directed.

**ANTS, Foraging Fire Ants, Pharaoh Ants, Carpenter Ants [Eastern (Western)]:** Treat doors, around window frames, ant trails and hills and other areas of entry. Spray on ants where possible. Repeat as necessary.

**CARPET BEETLES [Dermestids (Trogoderma)]:** Directly spray as many insects as possible. Spray both interior and exterior of furniture. Both top and bottom of rugs and carpets should be sprayed thoroughly, where possible. Also treat shelves, closets, areas under furniture, floors, walls, baseboards and wherever these insects are seen or suspected. Repeat as necessary.

**CLOTHES MOTHS and other Flying Moths:** Remove any infested articles from storage, brush thoroughly, and air for several hours in sunlight, if possible. Apply liberally to empty chests, closets, bureaus and other storage areas directing the spray into cracks, joints, and crevices. Return clean articles after spray has thoroughly dried. Repeat as necessary.

**BEDBUGS:** Spray mattresses, particularly around tufts and seams. Take beds apart and spray into all joints. Treat baseboards, moldings and floors. Allow treated fabric to dry thoroughly before using. Repeat as necessary.

**FLEAS AND TICKS: FOR USE IN LISTED PET AREAS.** Remove and either launder or destroy pet's old bedding. To reduce infestation, thoroughly spray the animal's clean bedding, sleeping quarters, kennel, around baseboards, window and door frames, wall cracks, local areas of floors and other resting places until the surface is slightly moist. Treat these areas at the rate of two seconds per linear foot at the distance of 12 to 18 inches. Also spray the entire inside surface of dog houses. Put fresh bedding in pet's quarters after spray has dried. Allow treated areas to dry thoroughly before allowing pets to re-enter. For best results, pets should be treated with an EPA registered [use EPA registered product such as] flea and tick control products before they return to the treated area. **DO NOT TREAT PETS WITH THIS PRODUCT.** Repeat as necessary.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Store in a cool, dry place. Keep container closed.

**DISPOSAL:** Replace cap and discard container in trash. Do not incinerate or puncture.

Net Contents \_\_\_\_\_

Manufactured by:

Mc LAUGHLIN GORMLEY KING COMPANY

8810 Tenth Avenue North

Minneapolis, MN 55427