

27 MAY 1993

Roussel Uclaf Corp.  
95 Chestnut Ridge Rd.  
Montvale, NJ 07645

Attn: Joseph A. Conti

Subject: Pyrenone 25-2.5 WP  
EPA Registration No. 4816-706  
Application dated February 12, 1993

Dear Mr. Conti:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.


Note that this acceptance of your label does not relieve you of your obligation to comply with the Worker Protection Standard. If any of your products are covered by this standard, you are required to submit, and receive the Agency's approval by April 21, 1994, a revised label reflecting the required label statements of 40 CFR 156, published in the FEDERAL REGISTER on August 21, 1992 (57 FR 38102). Further guidance will be issued. According to 40 CFR 156, subpart K, "No product to which this subpart applies shall be distributed or sold without amended labeling by any registrant after April 21, 1994. Please call 1-800-777-2185 if you have any labeling questions regarding the Worker Protection Standard.

In your application you requested an additional brand name. However, no additional name was listed. If it is your intention to market this product under an additional brand name, you may request it by notification.

Sincerely,

*Rita Kumar*

Rita Kumar  
Acting Product Manager 10  
Insecticide & Rodenticide Branch  
Registration Division (H7505C)



CODE FE N53

# PYRENONE®

25-2.5 W.P.

EPA Reg. No. 4816-706 EPA Est. No. 279-NY-1

## \* A WETTABLE POWDER CONTAINING PYRENONE®

- \* For use in food processing and storage areas, institutions, residential areas, and animal quarters including, but not limited to, restaurants, warehouses, hospitals, hospices, hotels, motels, homes, barns and stables.
- \* For use on livestock and pets including, but not limited to, cattle, horses, sheep, goats, hogs, poultry, dogs and cats.
- \* For use outdoors on trees, shrubs, roses and flower gardens.
- \* Kills many insects including, but not limited to gypsy moth caterpillars, gypsy moth adults, adult Japanese beetles, Eastern tent caterpillars, forest tent caterpillars, fleas and ticks.
- \* Controls numerous insects including, but not limited to, ants, bedbugs, brown dog ticks, chiggers, carpet beetles, cheese mites, cigarette beetles, clover mites, cockroaches, confused flour beetles, crickets, deer flies, drugstore beetles, face flies, fleas, gnats, grain mites, granary weevils, horn flies, horse flies, house flies, lice, meal worms, mites, mosquitoes, poultry lice, rice weevils, rust red flour beetles, sawtoothed grain beetles, sheep tick or "ked", silverfish, spider beetles, spiders, stable flies and ticks.
- \* Provides rapid kill of insects. May be tank mixed with other residual insecticides

### ACTIVE INGREDIENTS:

Pyrethrin	2.50
*Piperonyl Butoxide, Technical	25.00
INERT INGREDIENTS	72.50
	100.00%

\*Equivalent to min 20.0% (butylcarbityl)(6-propylpiperonyl) ether and 5.0% related compounds.

PYRENONE - Registered Trademark of Fairfield American Corporation

### STORAGE AND DISPOSAL

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

PESTICIDE STORAGE AND SPILL PROCEDURES: Store upright at room temperature. Keep away from moisture. Sweep up and dispose of with chemical waste.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in same manner.

CONTAINERS ONE POUND AND SMALLER: Store in original container in a cool, dry place inaccessible to children and pets. Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes. Wear protective clothing. Wash with soap and water after handling and before eating or smoking. Remove or cover fish aquaria before using this product.

Except in Federally inspected meat and poultry plants, when applied as a surface spray with care and in accordance with the directions and precautions given above, food processing operations may continue. Foods should be removed or covered before treatment. Thoroughly wash all food processing surfaces before reuse. Facilities and equipment in Federally inspected meat and poultry plants must be washed with an effective cleaning compound followed by a potable water rinse.

### STATEMENT OF PRECAUTIONS

IF SWALLOWED: Contact a physician immediately. Drink 1 or 2 glasses of water and induce vomiting unless directed to do so by a physician. Do not induce vomiting if the person is unconscious.

IF INHALED: Remove affected person to fresh air. If irritation persists, consult a physician.

IF IN EYES: Flush eyes with plenty of water. If irritation persists, consult a physician.

IF ON SKIN: Remove contaminated clothing. Wash skin with soap and water. If irritation persists, consult a physician.

### ENVIRONMENTAL PRECAUTIONS

This product is toxic to fish. Do not apply to ponds, tidal marshes and estuaries. Clean equipment or disposal area after use.

Buyer assumes all risks of use, not in strict accordance with directions.

### DIRECTIONS

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

To prepare dilutions, add the required amount of product to water and blend thoroughly. SHAKE WELL at regular intervals. Amount needed for immediate use in hours is not recommended. Refer to label for rates and use directions.

This product may be added, to the diet of insects, with Bacillus thuringiensis, Salafin, Baygon, Pyrid, Ficar, and others.

Applications must be made in accordance with label limitations and precautions. This product cannot be used in areas where label prohibitions against such use are shown.

In hospitals (hospices), remove patients from rooms for two hours after treatment.

Use a dilution from the Dilution Chart for the desired application rate.

PLEASE SEE BACK

KEEP OUT OF REACH OF CHILDREN  
CAUTION

27 MAY 1993  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is registered under the number 4816-706.



FAIRFIELD  
AMERICAN  
CORPORATION  
201 ROUTE 17 NORTH, RUTHERFORD, NJ 07070

APPLICATION SITES	PESTS CONTROLLED	USE DIRECTIONS	DILUTION RATE
Bakeries, beverage plants, canneries, flour mills, food processing plants, grain elevators, granaries, homes, hospitals, hotels, industrial installations, kennels, meat packing plants, motels, office buildings, railroad cars, restaurants, schools, ships' holds, storage or processing areas of dried food products, surfaces of bags of stored food products, supermarkets, truck trailers and warehouses.	Small flying moths and exposed stages of flies including fruit flies, mosquitoes and gnats.	Close doors and windows and shut off ventilating systems. Apply as a fog or fine mist directing the spray toward the upper portions of the room and toward windows and other light sources that attract these insects. Thoroughly fill the area with mist using 1 or 2 ounces per 1000 cubic feet. Keep area closed for 10 minutes or more. Vacate after treatment and ventilate before reoccupying. Repeat treatment as needed.	2.50 oz. per gallon
	Ants, cockroaches, crickets, clover mites, cheese mites, confused flour beetles, boxelder bugs, scorpions, cigarette beetles, cadellies, drugstore beetles, granary weevils, grain mites, mealworms, rice weevils, rust red flour beetles, silverfish, spiders, sawtoothed grain beetles, spider beetles, spiders, waterbugs, palmate bugs, centipedes, millipedes, sowbugs and pillbugs.	For initial cleanout, apply as a coarse droplet surface spray using approximately 1 gallon to 750 square feet. Spray thoroughly all surfaces where these insects are usually found including walls, baseboards, moldings, doors, cabinets, shelves, sinks and pipes, with special attention to cracks and crevices, niches, dark corners, drains and similar hiding places. Treat ant trails, nests and runs. When possible, spray insects directly. Repeat treatment at the same rate of application after an interval of one month if reinfestation occurs. This dilution may not be used in edible product areas of Federally inspected areas of meat and poultry plants.	10.50 oz. per gallon
		In Federally inspected meat and poultry plants, apply as a coarse droplet surface spray using approximately 1 gallon to 750 square feet. Spray thoroughly all surfaces where the insects are usually found including walls, baseboards, moldings, doors, cabinets, shelves, sinks and pipes, with special attention to cracks and crevices, niches, dark corners, drains and similar hiding places. Treat ant trails, nests and runs. When possible spray insects directly. Repeat treatment at the same rate of application after an interval of one month or if reinfestation occurs.	5.50 oz. per gallon
	Carpet beetles.	For initial clean up of severe infestations spray the edges of carpeting and under carpeting and rugs. Make localized application to floors and baseboards. Spray directly into cracks, crevices, closets and infested areas of shelving. Repeat treatment as needed.	10.50 oz. per gallon
		For normal infestation.	5.50 oz. per gallon
	Bedbugs.	For initial clean up of severe infestations spray the edges of carpeting and under carpeting and rugs. Make localized application to floors and baseboards. Spray directly into cracks, crevices, closets and infested areas of shelving. Repeat treatment as needed.	10.50 oz. per gallon
		For normal infestations.	5.50 oz. per gallon

APPLICATION SITES	PESTS CONTROLLED	USE DIRECTIONS	DILUTION RATE
Bakeries, beverage plants, canneries, flour mills, food processing plants, grain elevators, granaries, homes, hospitals, hotels, industrial installations, kennels, meat packing plants, motels, office buildings, railroad cars, restaurants, schools, ships' holds, storage or processing areas of dried food products, surfaces of bags of stored food products, supermarkets, truck trailers and warehouses. (Continued from previous page)	Fleas and Brown Dog Ticks.	For initial clean up of severe infestations thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, molding, window and door frames and the entire floor and floor coverings. Fresh bedding should be placed in animal quarters following treatment. Concurrent treatment of animals with an approved insecticide is recommended. Repeat treatment as needed.	10.50 oz. per gallon
		For normal infestations.	5.50 oz. per gallon
	Clothes moths.	Remove any infested articles from storage, brush thoroughly and air several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus, and other storages, directing the spray into cracks, joints and crevices. After airing, infested articles may be treated lightly keeping nozzle at least three feet from fabric to avoid staining. Store in moth tight containers or repeat treatment monthly.	26.50 oz. per gallon
Mills, elevators and granaries.	Accessible stages of: Granary Weevils, Rice Weevils, Confused Flour Beetles, Ruzé Ted Flour Beetles, Cadellies, Drugstore Beetles, Mealworms, Sawtoothed Grain Beetles, Spider Beetles, Cheese Mites, Grain Mites, Silverfish and Red Rust Beetle.	For rapid initial kill of exposed or accessible stages, clean out any waste grain, dust, dirt or debris and destroy before spraying. Apply as a coarse droplet spray using approximately 1 gallon to 750 square feet of surface. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this use. In mills, elevators and granaries, thoroughly spray floors, walls and other surfaces of bins, storage and handling areas with particular attention to cracks, crevices and similar protected locations. Treat unloading, handling and processing areas and apply the insecticide to conveying, processing and handling equipment, such as the inside of reel conveyors, purifier conveyors, sifters, roll housings and hoppers, pick up conveyors, etc. Spray thoroughly around the base of heavy machinery and equipment. Thoroughly treat walls, floors, shelves and other exposed surfaces and lightly spray each layer of cartons or containers as stacked. Sack surfaces of bagged grain can be sprayed lightly until slightly moist.	5.50 oz. per gallon
		For protection in transit, treat truck beds, box cars and ships' holds before loading. Apply at a rate of 1 gallon to 750 square feet of surface with particular attention to cracks, crevices and similar hiding places.	5.50 oz. per gallon
Stored grain.	Exposed accessible stages of Indian Meal Moth and Angoumois Grain Moth.	Apply to the surface of the binned grain at a rate of 2 gallons per 1000 square feet (1.6 pints per 100 square feet). Apply at monthly intervals beginning with the first appearance of moths and continuing until early fall. In case of severe infestation, break up webbing with rake before spraying and make a second application in two weeks.	10.50 oz. per gallon

4 of 5

APPLICATION SITES	PESTS CONTROLLED	USE DIRECTIONS	DILUTION RATE
Cattle, horses, sheep, swine, goats and hogs.	Horn flies, horse flies, mosquitoes and gnats.	Apply to wet the hair thoroughly with particular attention to topline, underline, flanks, withers and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or as needed when flies are merging in large numbers.	1.00 oz. per gallon
	Horse flies and deer flies.	Apply a quart per adult animal to wet the hair thoroughly with particular attention to the legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment each week as needed.	5.50 oz. per gallon
	Face flies.	Use a spray which produces large wetting droplets. Apply to the face of the animal in the morning before releasing to pasture. Apply sufficiently to wet the face but not more than 1-1/2 ounces per animal. Repeat daily as needed.	5.50 oz. per gallon
	Motile stages of (biting) yellow lice and (sucking) blue lice.	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.	0.50 oz. per gallon
Poultry and poultry houses.	Poultry lice.	Spray roosts, walls and nests or cages thoroughly. Spray the birds thoroughly to insure penetration through the feathers. Start at bottom of birds and work up.	5.50 oz. per gallon
Poultry houses	Bedbugs and mites	Spray crevices of roost poles, cracks in walls and cracks in nests where the bedbugs and mites hide.	5.50 oz. per gallon
Sheep and goats	Sheep tick or KED	Thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure and with a nozzle adjustment to give penetration of the wool. Treat at a rate sufficient to wet the animal.	0.50 oz. per gallon
Livestock and pets	Fleas	Wet the animal by dipping or spraying. For best results against fleas and ticks on dogs, the kennels or animal quarters and bedding should also be treated. Provides protection against reinfestation.	5.50 oz. per gallon
	Spinose ear tick	Apply by individual treatment, syringing or pouring 1 to 2 ounces into each ear of large animals or a few drops into the ears of dogs.	2.00 oz. per gallon

APPLICATION SITES	PESTS CONTROLLED	USE DIRECTIONS	DILUTION RATE
Around residential areas, rural fields or woods, lots, roadside edges, pathways and coastal vegetation areas.	Brown dog ticks.	Apply with a mist blower applicator calibrated to deliver three gallons per acre at 200 psi. Make applications during peak of infestation and repeat if necessary. Apply directly to vegetation where the ticks rest.	16.00 oz. per gallon
Barns, milking parlors, milk rooms, dairies and poultry houses.	Flies, mosquitoes and gnats.	Apply as a fog or fine mist directing the spray toward the ceiling and upper corners until the area is filled with mist using about 2 ounces per 1000 cubic feet of space. For best results, close doors and windows before spraying and keep them closed for ten to fifteen minutes. Vacate the treated area and ventilate before reoccupying. Repeat application as necessary.	5.50 oz. per gallon.
Fruit Trees, Shrubs, Trees, Roses and other Ornamental Plants	Aphids, flea beetles, Japanese Beetles, Leafhoppers, Gypsy Moth Caterpillars, Forest Tent Caterpillars and Whiteflies	Treat leaves, branches, and tree trunks evenly, making sure to penetrate dense foliage. Repeat application every 7 days as necessary for control.	0.52 oz. per gallon
Asparagus, Beans, Broccoli, Carrots, Cauliflower, Cucumbers, Cabbage, Brussel Sprouts, Celery, Cranberries, Eggplant, Green Onions, Lettuce, Melons, Mustard Greens, Okra, Peas, Kale, Collards, Turnips, Peppers, Potatoes, Radishes, Squash, Spinach, Sweet Corn, and Tomatoes.	Asparagus Beetles, Aphids, Leafhoppers, Whiteflies, Mexican Bean Beetles, 12-spotted Cucumber Beetles, Cabbage Loopers, Cross-striped Cabbageworms, Diamondback Moth Larvae, Flea Beetles, Harlequin Bugs, Imported Cabbageworms, Stink Bugs, Green Peach Aphids, Leafhoppers, Fireworms, Blister Beetles, Colorado Potato Beetles, and Webworms.	Spray when insects or caterpillars are first noticed, then repeat at 7 to 10 day intervals while they are active. Apply more frequently to control heavy infestations. Thoroughly wet top and bottom of foliage until spray runs off. Re-apply after heavy rains. Product may be applied up to and on day of harvest.	0.52 oz. per gallon