

PM 18

8590-589

Page 1 of 8



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

JAN 14 1994

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Beverly Randall  
UNIVERSAL COOPERATIVES INC.  
AGENT FOR: AGWAY INC.  
BOX 460  
MINNEAPOLIS, MN 55440

Subject: Label Amendment Submission of 08/18/93 in Response to PR Notice 93-7  
EPA Reg. No. 8590-589  
AGWAY PYRETHRIN SPRAY

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with Soy/Cellulose  
contains at least 50%

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division

Beverly Randall  
UNIVERSAL COOPERATIVES INC  
AGENT FOR: AGWAY INC  
BOX 460  
MINNEAPOLIS MN 55440

Subject: Label Amendment Submission of 08/18/93  
to Comply with WPS Labeling Requirements  
EPA Reg Nr. 8590-589  
AGWAY PYRETHRIN SPRAY

The following specific comments pertain to your  
WPS labeling submission concerning the product  
cited above:

Remove the statement "Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application." from its current position within the Agricultural Use Box and place it above the Agricultural Use Box.

The bodywear requirement for early entry in the Agricultural Use Requirements box on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "Coveralls". The exact location is shown in Sections F and G on Part 2 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

This approval does not extent to the changes made to the indoor application section of your label. These changes should be submitted to the PM

AGWAY  
PYRETHRIN SPRAY

A concentrated insecticide which may be diluted with either water or oil.

For use in Bakeries, Bottling Plants, Canneries, Flour Mills, Food Processing Plants, Grain Elevators, Hospitals, Hotels, Motels, Restaurants, and Outdoors for Mosquito Control and on garden vegetables and ornamentals.

ACTIVE INGREDIENTS:

Pyrethrins .....	1.0%
Piperonyl butoxide technical* .....	10.0%
INERT INGREDIENTS** .....	<u>89.0%</u>
 TOTAL	 100.0%

\*Equivalent to 8.0% of (butylcarbityl)(6-propyl-piperonyl)ether and to 2.0% related compounds.

\*\*Contains petroleum distillate

KEEP OUT OF REACH OF CHILDREN  
CAUTION

See side panel for additional precautionary statements

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
JAN 14 1994

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
8540-589

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS**

**CAUTION:** Harmful if swallowed. Avoid breathing vapors or spray mist. Avoid contact with skin and eyes. In case of contact, immediately flush eyes or skin with plenty of water. Obtain medical attention if irritation persists. If swallowed, do not induce vomiting since it should be done under medical supervision because of aspiration hazard. Call a physician immediately.

**Personal Protective Equipment:**  
Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations:**  
Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**STATEMENT OF PRACTICAL TREATMENT**

**If Inhaled:** remove victim to fresh air. Apply artificial respiration, if indicated.

**If In Eyes:** flush eyes with water. Call a physician immediately.

**If Swallowed:** do not induce vomiting since it should be done under medical supervision because of aspiration hazard. Call a physician immediately.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. 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 contaminate water by cleaning of equipment, or disposal of wastes. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

### DIRECTIONS FOR USE

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

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

#### STORAGE AND DISPOSAL

Do not reuse empty container. Wrap container and put in trash collection.

Food additive tolerances have been established for pyrethrins and piperonyl butoxide. If this product is used as directed, the allowable tolerance levels will not be exceeded.

**INDOOR APPLICATION:** Remove pets, birds, and cover fish aquariums before spraying. Ventilate the area after treatment is completed. To control exposed stages of flies, including fruit flies, mosquitoes, gnats and small flying moths, dilute 1 part concentrate in 19 parts water or oil (6 ½ ounces per gallon or 5 gallons per 100). 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 which attract these insects. Thoroughly fill the area with mist, using 1 to 2 ounces per 1,000 cubic feet. Keep area closed for 10 minutes or more. Repeat treatment as needed.

For initial clean-out of infestations of cockroaches, ants, spiders, silverfish, crickets, box elder bugs, scorpions, and clover mites: dilute 1 part of concentrate in 4 parts water or oil. Apply to 750 square feet. Spray thoroughly all surfaces where these insects are usually found, including walls, baseboard 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 using a dilution of 1 plus 9 at the same rate of application after an interval of one month, or when re-infestation occurs.

**IN MILLS, ELEVATORS AND GRANARIES:** For rapid initial kill of exposed or accessible stages of granary weevil, rice weevil, confused flour beetle, rust red flour beetle, cadelle, sawtoothed grain beetle, spider beetle, cheese mites and grain mites: dilute at a rate of 1 part concentrate to 9 parts water or oil. Clean out any waste grain, dust, dirt or debris and destroy before spraying. Apply as a coarse droplet spray, using approximately 1/2 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, pickup 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

For protection in transit, treat truck beds, box cars, and ships holds before loading. Using a dilution of 1 part Concentrate in 9 parts water, apply at a rate of 1 gallon to 750 square feet of surface, with particular attention to cracks, crevices, and similar hiding places.

To control exposed accessible stages of Indian meal moth and Angoumois grain moth in stored grain: dilute 1 part of Concentrate in 9 parts water and apply to the surface of the binned grain at a rate of 2 gallons per 1,000 sq. ft. (1.6 pints per 100 sq. ft.). 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.

**ON LIVESTOCK, CATTLE, SHEEP, HORSES, GOATS, HOGS:** To control horn flies, houseflies, mosquitoes, and gnats, dilute at the rate of 1 part Concentrate to 39 parts water and apply to wet the hair thoroughly, with particular attention to the 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 emerging in large numbers.

To control stable flies, houseflies, and deer flies, dilute 1 part Concentrate to 9 parts water and 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, or as needed.

To control lice flies, dilute 1 part Concentrate to 9 parts water. 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 1/2 ounces per animal. Repeat daily as needed.

For effective control of motile stages of biting lice and sucking lice on cattle, horses, sheep, goats, and hogs, dilute this Concentrate at a rate of 1 part in 100 parts water. 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.

To control poultry lice, using a dilution of 1 to 100 in water, dip birds by submerging in a barrel, tank or tub of the solution, holding the wings away from the body to insure thorough wetting of all infested areas. In order to avoid chilling the fowls, dip them on a warm day, or in a warm building.

For control of bedbugs and mites in poultry houses, dilute 1 part of Concentrate with 9 parts of water and spray crevices of roost poles, cracks in walls, and cracks in nests where the bedbugs and mites hide. Repeat as necessary.

To control sheep "tick" or ked, dilute at the rate of 1 part of Concentrate to 100 parts of water and 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.

To kill fleas on horses, cattle, goats and pets, and to obtain protection against re-infestation, dilute at 1 to 9 in water and 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. Repeat as necessary.

To control splurge ear tick, dilute at the rate of 1 part Concentrate to 24 parts water and apply by individual treatment, syringing or pouring 1 to 2 ounces into each ear of large animals, or a few drops into ears of dogs.

**IN BARN, MILKING PARLORS, MILK ROOMS AND DAIRIES:** To control flies, mosquitoes, and gnats, dilute at the rate of 1 part Concentrate to 9 parts of water or oil and apply as a fog or fine mist, directing spray toward the ceiling and upper corners until the area is filled with mist, using about 2 ounces per 1,000 cubic feet of space. For best results, close doors and windows before spraying, and keep them closed for ten to fifteen minutes. Vacate the area and ventilate before re-occupying. Repeat application as necessary.

**MOSQUITO CONTROL, OUTDOORS:** To control adult mosquitoes, using ground application, dilute 1 part Concentrate in 7 parts of water or oil. Apply as a fine mist or fog. Treat shrubbery and vegetation where mosquitoes may rest. Shrubbery and vegetation around stagnant pools and marshy areas may be treated. Application of this product to any body of water is prohibited. Repeat as necessary, usually once or twice a week.

With mobile or truck-mounted equipment, the above application rate will result if a 400-foot swath is treated, traveling at 15 mph, dispensing spray at a rate of 40 gallons per hour.

878

Application using fixed wing aircraft. Use 6 to 12 ounces of Concentrate in 4 gallons of water per acre.

- To control mosquito larvae, dilute in oil at a rate of 1 part Concentrate to 150 parts oil (2.5 pints in 50 gallons) and apply at a rate of 20 to 25 gallons per acre. Apply as a contact or welling spray in intermittently flooded areas, stagnant water, temporary rain pools and logponds.

**GROWING CROPS:** May be used on edible crops (outdoors or in greenhouses) up to and including day of harvest. Especially desirable as clean-up or pre-harvest spray where other materials may not be used, due to residue restrictions. When applied according to accepted use precautions and directions, this Concentrate may be used in combination with other insecticides where resistant insects are a problem, or as an "exciter" where insects are flushed out of hiding and into contact with spray residues.

On the following crop\* to control the insects named, use 12 to 36 ounces per acre in sufficient water to allow thorough coverage (usually 100 gallons). Coverage of upper and lower leaf surfaces is essential for good control. For home gardens use 1 to 3 tablespoons per gallon of water (0.6 to 1.5 fluid ounces in 5 gallons):

- ASPARAGUS:** Asparagus Beetle
- BEANS:** Aphids, Leafhoppers, White Fly, Mexican Bean Beetle, 12-spotted Cucumber Beetle
- BROCCOLI, CABBAGE, BRUSSELS SPROUTS, CAULIFLOWER:** Aphids, Cabbage Looper, Cross-striped Cabbage Worm, Diamondback Moth Larvae, Flea Beetle, Harlequin Bug, Imported Cabbageworm, Stink Bug
- CELERY:** Green peach Aphid, Cabbage Looper, Leaf Tier
- CRANBERRIES:** Fireworms, Leafhopper
- EGGPLANTS:** Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid
- LETTUCE:** Cabbage Looper, Green Peach Aphid, Diamondback Moth Larvae, Imported Cabbageworm
- MUSTARD GREENS, KALE, COLLARDS, TURNIPS:** Imported Cabbageworm, Diamondback Caterpillar, Aphids, Cabbage Looper
- PEPPERS:** Green Peach Aphid
- POTATOES:** Aphids, Colorado Potato Beetle, Flea Beetle, Leafhopper
- RAISH:** Aphids, Flea Beetle
- SPINACH:** Aphids, Cabbage Looper, Webworm
- TOMATOES:** Green Peach Aphid, Colorado Potato Beetle, Stink Bug, Flea Beetle
- ORNAMENTALS:** (African Violets, Asters, Azaleas, Begonias, Camellias, Carnations, Chrysanthemums, Dahlias, Dogwood, Geraniums, Gladioli, Marigolds, Roses, Rubber Plants, Wandering Jew) Aphids, Flea Beetles, Leafhoppers

**DROSOPHILA OR FRUIT FLY CONTROL.** Dilute at the rate of 6 parts concentrate with 1200 parts water (6 pints per 150 gallons or 6 tablespoonsful with 4 gallons water). Thoroughly mix the emulsion in the spray tank. Make treatments as follows:

1. Apply liberally to tomatoes and fruits in baskets, on trucks and plants. Use sprayers at a high pressure for applying at the rate of 5 or 6 pints of the diluted spray to a two-ton load of tomatoes. Direct the spray for a maximum coverage of the baskets or hampers. It is important to spray between and beneath the containers. This spray not only kills the flies, but the emulsion loosens any dead flies so that they are readily washed from the fruit.
2. Spray the raw stock stacked in the yard.
3. Dip baskets in the diluted spray after dumping the fruit to kill adhering larvae and pupae.
4. After washing and cleaning up the inside of the processing plant and just prior to bringing fruit into it, the entire space inside the cannery should be sprayed at a dilution of 6 parts Concentrate to 59 parts water (6 pints) with 7 gallons 3 pints water or 12 tablespoonful with 3 1/4 pints water, at the rate of 1 gallon to 750 square feet. Direct spray on walls, ceilings, floors, paying special attention to forcing spray into all cracks and crevices.

The use of this product in food processing plants should be confined to time periods when the plant should be confined to time periods when the plant is not in operation. Foods should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before using.

If used in edible product areas of federally-inspected meat, poultry, shell egg grading and egg product establishments, it must be dispersed as an aerosol spray (no droplets over 50 microns in diameter and 80% less than 30% microns).

When diluting in water, prepare only the amount required for immediate use. Holding a water dilution more than 24 hours is not recommended.

Do not apply outdoors when weather conditions favor drift from area treated.

**NOTE:** This product is to be sold ONLY in this original unbroken package.

**DISCLAIMER:** Buyer assumes all risks of use, storage or handling not in strict accordance with directions given herewith.



Net Ctns. 1 Qt.  
(.95 liter)

Agway Inc. Chemical Division  
Box 4741 Syracuse, NY 13221

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