



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
432-799

Date of Issuance:
MAR 27 1987

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
AquaPy

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

AgREvo Environmental Health
95 Chestnut Ridge Road
Montvale, NJ 07645

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 432-799".
3. Submit two copies of the revised final printed label for the record.

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.

We note that the Efficacy Data MRID No. 441614-01 to support claims on *Blattella germanica* and *Periplaneta americana*, German and American roaches are acceptable. A copy of the reviewer's comment is enclosed for your information,

A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

Date: MAR 27 1987

AquaPy®

- * Specially Formulated to Give Equal Performance with Oil-Based Sprays when Applied Undiluted or Diluted with Water
- * 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) or Conventional Fogging or Spraying Equipment As Well As Turbocide GOLD Equipment
- * Indoor Use Areas - Unoccupied Livestock Shelters (Cattle Barns, Poultry Houses, Swine Houses) Bakeries, Beverage Plants, Canneries, Commercial Transportation Facilities, Daycare Centers, Dried Food Products in Storage or Processing, Flour Mills, Food and Feed Processing and Handling Sites, Grain Elevators, Granaries, Horse Barns, Hospices, Hospitals, Hotels, Homes Industrial Installations, Meat Packing Plants, Motels, Nonresidential Buildings, Nursing Homes, Office Buildings, Private and Commercial Dwellings, Railroad Cars, Restaurants, Schools, Ships' Holds, Stored Food in Multi-Walled Paper or Cloth Bags, Supermarkets, Truck Trailers, Warehouses, Zoos

ACTIVE INGREDIENTS:

Pyrethrins	3.0%
*Piperonyl Butoxide, Technical	15.0%
INERT INGREDIENTS:	82.0%
	100.0%

*Equivalent to 1.2% (butylcarbityl)(6-propylpiperonyl) ether and 3% related compounds.
 AquaPy is a registered trademark of AgrEvo Environmental Health, Inc.

EPA Reg. No. 432-

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

STATEMENT OF PRACTICAL TREATMENT

If Inhaled: Remove affected person to fresh air. Apply artificial respiration, preferably mouth-to-mouth, if indicated. Get medical attention.

See Side Panel for Additional Precautions

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if inhaled. Avoid breathing vapors or spray mist. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes.

PHYSICAL AND CHEMICAL HAZARDS

Do not use water-based sprays of AquaPy in conduits, motor housings, junction boxes or other electrical equipment because of possible shock hazard.

DIRECTIONS FOR USE

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

SHAKE OR AGITATE THOROUGHLY BEFORE DILUTING.

AquaPy is designed to be diluted with water. The unique patented formulation greatly reduces the evaporation rate of water from the spray droplets and enables the water-based spray cloud to behave as that produced by a typical oil-based formulation.

AquaPy effectively controls the following insects when the applicator follows the directions for use as given below.

Angoumois Grain Moths	Drugstore Beetles	Mosquitoes
Ants	Earwigs	Mushroom Flies
Bees	Fleas	Red Four Beetles
Boxelder Bugs	Fruit Flies	Rice Weevils
Caddisflies	Fungus Gnats	Saw-toothed Grain Beetles
Cheese Mites	Grain Mites	Silverfish
Cheese Skippers	Granary Weevils	Small Flying Moths
Cigarette Beetles	Horn Flies	Spiders
Clover Mites	Hornets	Spider Beetles
Cockroaches	Horse Flies	Stable Flies
Confused Flour Beetles	House Flies	Tobacco Moths
Crickets	Indian Meal Moths	Wasps
Deer Flies	Lice	Yellow Mealworms
Dried Fruit Beetles	Mediterranean Flour Moths	Dark Mealworms

INDOOR USE, UNDILUTED

The use of this product in food/feed processing or food/feed handling establishments (bakeries, beverage plants, canneries, food/feed processing plants, hospitals, hotels, industrial installations, meat packing plants, restaurants, schools, supermarkets and warehouses) should be confined to time periods when the plants or facilities are not in operation. Food/feed should be removed or covered during treatment. All food/feed processing surfaces should be covered during treatment or thoroughly cleaned before reusing.

Space and Contact Spray Application

To control accessible adult stages of:

- | | |
|-----------------------|--------------------|
| Ants | Fleas |
| Boxelder Bugs | Flies |
| Cheese Mites | Fruit Flies |
| Cheese Skippers | Hornets |
| Clover Mites | Mosquitoes |
| *Cockroaches (German) | Silverfish |
| Crickets | Small Flying Moths |
| Earwigs | Wasps |

and the following common stored product pests:

- | | |
|------------------------|---------------------------|
| Angoumois Grain Moths | Indian Meal Moths |
| Cadelles | Mediterranean Flour Moths |
| Cigarette Beetles | Red Flour Beetles |
| Confused Flour Beetles | Rice Weevils |
| Dark Mealworms | Saw-toothed Grain Beetles |
| Drugstore Beetles | Spider Beetles |
| Granary Weevils | Tobacco Moths |
| Grain Mites | Yellow Mealworms |

Close doors and windows and shut off ventilating systems. Vacate the area. Only the applicator should be in the treatment area during application. Use a mechanical aerosol generator or a fogger adjusted to deliver aerosol droplets (30 microns or less). Direct the spray first into all cracks and crevices, behind all equipment, cupboards, obstructions or dark harborage areas to provide maximum penetration and impingement on the insects. Then treat as a space spray, directing the spray towards the ceiling and upper corners of the area and behind any obstructions, apply at a rate of 6 milliliters or 0.20 ounces per 1000 cubic feet of space (or 1 oz per 5,000 cu. ft.). Keep area closed for at least one hour. Leave the treated area and ventilate before reoccupying. Repeat treatment as necessary.

*Rates up to 9 ml or 0.30 oz. per 1,000 cu. ft. may be required for control of some German Cockroach populations (dependent on temperature, sanitation and other factors).

Treatment of Stored Food/Feed Areas

Foods/feeds in multi-walled bags or in cloth bags stored in warehouses, storage rooms, flour mills, grain elevators and granaries.

To control accessible adult stages of:

- | | |
|---------------------------|--------------------|
| Angoumois Grain Moths | Cheese Mites |
| Cadelles | Cheese Skippers |
| Confused Flour Beetles | Cigarette Beetles |
| Indian Meal Moths | Grain Mites |
| Mediterranean Flour Moths | Granary Weevils |
| Rice Weevils | Dark Mealworms |
| Saw-toothed Grain Beetles | German Cockroaches |
| Yellow Mealworms | Red Flour Beetles |

Infested stored products should be destroyed, fumigated or treated by other effective methods using an approved product intended for this purpose. Vacate the area. Only the applicator should be in the treatment area during application. As noted above, disperse AquaPy first by directing spray into cracks and crevices, corners, under pallets, and around stacks of packaged goods - hitting as many insects as possible and then apply as a space spray at a dosage of 4 milliliters or 0.13 ounces per 1000 cubic feet of room space (or 1/2 oz. per 4,000 cu. ft.). Repeat application as necessary for insect control. Leave the treated areas closed for one hour. Do not remain in the treated area and ventilate before reentry.

USE THROUGH TURBOCID GOLD™ SYSTEMS

AquaPy may be used as a space spray applied using the Turbocide G.O.L.D.™ (or similar) apparatus. Apply at an application rate not to exceed 4.0 g/1000 ft³ (4.3 mg of pyrethrins/m³), diluting as required following the instructions of the spraying equipment.

For optimum performance, close all doors and windows, shut off all HVAC equipment. Vacate the area. The area should be closed for a minimum of 2 hours after treatment. The frequency of application should be determined by the degree of infestation and should be sufficient to interrupt the life cycle of the target species. The application rates given below pertain to exposure periods of 2 hours. Where exposure periods are in excess of 2 hours (i.e. up to 6 hours), lower application rates may be used to achieve the same level of control.

For control of flying insects such as House Flies, Fruit Flies and Moths, apply at the rate of 1.3 g/1000 ft³ (1.4 mg of pyrethrins / m³). Ventilate before reoccupying treated area.

For the control of crawling and flying insects, apply at the rate of 2.7 - 4.0 g/1000 ft³ (2.8 - 4.3 mg of pyrethrin / m³). AquaPy may only provide an aid in the control of Flour Beetles. Ventilate before reoccupying the treated area.

Application rates for target species are as follows:

Species	Dose Rates	
	Target g	AquaPy /1000 ft ³ (mg of pyrethrins / m ³)
Fruit Flies	Drosophila sp.	1.3 (1.4)
House Flies	Musca domestica	1.3 (1.4)
Indian Meal Moth	Plodia interpunctella	1.3 (1.4)
Spiders	Araneida	1.3 (1.4)
Warehouse Beetle	Trogoderma variabile	1.3 (1.4)
Ants	Formicidae	2.7 (2.8)
German Cockroach	Blattella germanica	2.7 (2.8)
Oriental Cockroach	Blatta orientalis	4.0 (4.3)
American Cockroach	Periplaneta americana	4.0 (4.3)
Saw-toothed Grain Beetle	Oryzaephilus surinamensis	4.0 (4.3)
Cigarette Beetle	Lasioderma serricorne	4.0 (4.3)
•Confused Flour Beetle	Tribolium confusum	4.0 (4.3)
•Red Flour Beetle	Tribolium castaneum	4.0 (4.3)

•Aids in control only.

ACTISOL SPRAY EQUIPMENT

Deep Harborage: To kill Cockroaches, Carpenter Ants, Termites, Spiders, Bees, Wasps and other labeled pests, treat wall voids, insect tunnels, boxed beams and other hollow elements of construction, using UNDILUTED product through mechanical aerosol generators such as ACTISOL equipment, inject void for 5-10 seconds followed by sufficient air to pressurize the void.

Crack and Crevice Treatment: For treatment of Cockroaches, Silverfish, Earwigs, Ants, Waterbugs, Crickets, Centipedes, Sowbugs, Millipedes, Spiders, Scorpions, Mites, Bedbugs, Lice, Carpet Beetles, Wasps, Hornets, Yellow jackets and Grain Insects, crack and crevice treatments with ACTISOL equipment, using undiluted product, represents a one second injection into openings, seams, holes, etc.

INDOOR USE, DILUTED

Space Spray Application: For use in mechanical fogging or spray equipment.

To control accessible stages of:

Flies/Gnats	Small Flying Moths
Fruit Flies	Mosquitoes

Cover or remove exposed food/feed and cover food/feed handling surfaces in edible product areas of food/feed handling establishments. Close rooms and shut off air conditioning or ventilating equipment. Vacate the area.

Only the applicator should be in the treatment area during application. Mix 16 ounces of AquaPy with sufficient water to equal 1 gallon of diluted spray. Apply at the rate of 8 fluid ounces per 1000 cubic feet, filling the room with mist. Keep area closed for at least 15 minutes. Leave the treated area and ventilate before reoccupying. Repeat treatment if reinfestation occurs. Do not apply while food/feed processing is underway.

ANIMAL QUARTER USE

(Cattle barns, horse barns, poultry houses, swine houses, zoos): As a space spray, dilute for use in conventional fogging or spraying equipment.

To control Fleas, Flies, Gnats, Mosquitoes, Small Flying Moths: Mix 16 ounces of AquaPy with sufficient water to equal one gallon of diluted spray. Vacate the treatment area. Animals must be removed prior to treatment. Only the applicator should be in the area during application. Apply at the rate of 8 ounces per 1000 cubic feet of space. Direct spray towards the upper portions of the enclosure filling the room with mist. Keep area closed for at least 15 minutes. Leave the treated area and ventilate before reoccupying. Repeat treatment if reinfestation occurs.

SURFACE SPRAY APPLICATION

To control accessible stages of:

Ants	Fleas
Boxelder Bugs	German Cockroaches
Clover Mites	Lice
Crickets	Silverfish
Drugstore Beetles	Spider Beetles
Earwigs	

Mix 16 ounces of AquaPy with sufficient water to equal one gallon of diluted spray. Apply as a coarse droplet spray using approximately one gallon to 750 square feet of surface area. 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, being especially careful to treat cracks, crevices, and similar hiding places. Treat unloading, handling and processing areas and include inside conveying, processing and handling equipment. Spray thoroughly around the base of heavy machinery and equipment. Spray insects directly when possible.

Fleas: AquaPy is effective as part of a total management program for Flea Control. It is suggested that infested areas be thoroughly vacuumed prior to treatment. These areas include all carpet, upholstered furniture, baseboards and other indoor areas frequented by pets. The vacuum cleaner bag should be discarded in an outdoor trash container. Pet bedding should be cleaned or replaced.

Apply AquaPy alone or in combination with an appropriate IGR (see below), to rugs, carpets, upholstered furniture, pet beds, floor coverings, pet resting areas and other infested habitats. The quantity of finished spray required is dependent upon carpet/fabric density. Provide uniform coverage, apply until infested area is moist.

Effective flea control includes controlling the source of flea infestations. This can require treatment of pets with a product registered for such use and treating outside areas frequented by pets. AquaPy can also be applied out-of-doors for flea control. Do not treat pets with this product. Do not allow pets to contact treated areas until spray has dried. Remove animal and feed before spraying.

In Combination with Insect Growth Regulators (IGRs):
To extend control of immature stages of cockroaches and fleas, tank-mix the recommended rate of AquaPy with the correct amount of IGR per finished gallon. Follow all directions for use patterns and spray intervals from the IGR label to achieve maximum benefit.

For In-Transit Protection: Clean and spray truck beds, boxcars and ships' holds before loading. Thoroughly treat walls and floors and spray each layer of cartons or containers lightly as stacked.

Treatment of Stored Grain: To control accessible adult stages of **Indian Meal Moths** and **Angoumois Grain Moths:** Apply to the surface of binned grain at a rate of 1 gallon per 1000 square feet. Apply at monthly intervals with the first appearance of moths and continue until early fall. In severe infestations, break up webbing with a rake before spraying and make a second application in two weeks.

Treatment of Flying Insects' Resting Places: To aid in the control of **Mosquitoes, Small Flying Moths** and **Gnats:** Treat walls, ceiling, moldings, screens, door frames, window frames, beams, light cords and similar resting places with the above dilution of AquaPy.

OUTDOOR APPLICATION, DILUTED

For use on horses:

NOT FOR USE ON HORSES WHICH WILL BE USED FOR FOOD.

To protect against **Horn Flies, House Flies, Fleas, Gnats** and **Mosquitoes:** Mix 13 ounces of AquaPy with sufficient water to equal one gallon of diluted spray. Apply a light mist sufficient to wet the tips of the hair.

To protect against **Stable Flies, Horse Flies, Deer Flies:** Apply the above dilution at two ounces per adult horse to sufficiently wet the hair but not to soak the hide. Repeat this application once or twice daily or as needed to give continued protection.

AccountTable™ System

AEROSOL SPRAY	Food Processing Plants		Commercial		Residential	
	Operating ¹	Nonoperating	Fabric	Without Fabric	Fabric	Without Fabric
ACTISOL SPRAY		X	X	X	X	X
EQUIPMENT	Space Spray					
	Deep Harborage/ Crack & Crevice	X	X	X	X	X
COARSE WET SPRAY						
	Surface Spray	X		X	X	X
	Crack & Crevice	X		X	X	X

¹ Pesticide applications are permitted in non-USDA inspected facilities when they are operating.

STORAGE & DISPOSAL

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

Pesticide Storage and Spill Procedures: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. 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. Material in Turbocide GOLD™ cylinders that cannot be used according to label instructions must be returned to the point of purchase in its original container.

Container Disposal: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other approved State and local procedures.

Turbocide GOLD™ Canister: This cylinder must not be disposed of in any manner. Cylinders must be returned to point of purchase for credit. All cylinders, valves and caps remain the property of the manufacturer. Federal regulations prohibit the refilling of cylinders without written consent of the manufacturer.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

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