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432-852

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

EPA Reg. Number:

432-852

Date of Issuance:

SEP 24 1998

NOTICE OF PESTICIDE:
 x Registration
 Reregistration

Term of Issuance:

Conditional

Name of Pesticide Product:

Permanone H&G Insect Control

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

AgrEvo Enviromental 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/reregistration 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 labeling changes listed below before you release the product for shipment:

a. Add the phase "EPA Registration No. 432-852".

b. Delete these additional bullets "Responsible care for your garden" and "Permethrin Power". Superfluous information not relevant to the uses appearing on the label are unacceptable.

Signature of Approving Official:

Date:

c. Either qualify the fire ant claim as an aid in control or delete fire ants. Control of fire ants is supported when you treat the Mound, not a broadcast spray of the lawn.

We note use of a "eye dropper" within this product. Is this eye dropper similar in appearance to the common household eye dropper found in many home medications? We discourage use of pesticide containers or measuring devices that are similar in appearance to commonly used household articles.

3. Submit two (2) 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 section 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.

Enclosure

PERMANONE® H & G

Insect Control

- For Outdoor Residential/Homeowner Use Only
- For Use On Plants
- For Use Outdoors Around Buildings, Homes, In small Flower and Vegetable Gardens and on Fruit, nut and Ornamental Trees
- Low Odor Formula
- Economical, 8 oz. Makes Up To 48 Gallons
- Use on Lawns, Gardens and Fruit Trees

ACTIVE INGREDIENT:

*Permethrin.....	10.0%
OTHER INGREDIENTS**:	90.0%
	100.0%

*Cis/trans isomers ratio: min. 35% (±) cis and max. 65% (±) trans.

**Contains petroleum distillates.

EPA Reg. No. 432-

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN WARNING FIRST AID

If On Skin: Wash with plenty of soap and water. Get medical attention.

If Swallowed: Contact a physician or Poison Control center immediately. Drink promptly a large quantity of skim milk, egg whites or gelatin solution, or, if these are not available, large quantities of water. Do not induce vomiting unless under a physician's care. Avoid alcohol.

If Inhaled: Remove person to fresh air. Apply artificial respiration if indicated. Get medical attention.

If In Eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

See Side Panel for Additional Precautions

NET CONTENTS:

AgrEvo Environmental Health
95 Chestnut Ridge Road
Montvale, NJ 07645

ACCEPTED
with COMMENTS
in EPA Letter Dated

SEP 24 1998

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

432-852

PRECAUTIONARY STATEMENTS Hazards To Humans & Domestic Animals Warning

Causes skin irritation and moderate eye injury. Do not get on skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with eyes. Harmful if inhaled. Avoid breathing vapor. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. When mixing or applying, wear long sleeved shirt, long pants, socks, shoes and chemical resistant gloves. Do not use food utensils or cups for measuring. Spray with the wind to your back. Do not spray on windy days. Do not allow children or pets to go onto a treated area until the treated area such as grass or soil has dried.

Environmental Hazards

This product is extremely toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as specified on this label.

Physical & Chemical Hazards

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes.

HOW TO MIX AND APPLY

Mix the recommended amount of Permanone H & G per gallon (3.79 liters) of water and apply in accordance with the directions below. Where appropriate, measure the area to be treated by measuring the length and the width then multiply to determine the square footage of the area. Apply Permanone H & G as a coarse spray with a pump-up or other type of hand-held sprayer. When mixing, fill the sprayer with half of the water first and then measure and add the appropriate amount of Permanone H & G followed by the remaining water. Shake the sprayer to mix the product and water. Thorough spray coverage is necessary, but avoid spray run-off.

MEASUREMENT CONVERSION CHART

1 teaspoon = 0.17 fl. oz. = 5 ml.
1 ounce = 6 teaspoons = 29.6 ml.

ORNAMENTAL PLANTS

For use on ornamental plants, mix Permanone H & G with water in the following manner:

Permanone H & G	Water
1 1/3 teaspoon (7 ml)	1 gallon (3.79 L)

NOTE: Do not use more Permanone H & G than recommended, as this may cause some plant injury. Use this dilution unless other instructions are given.

CONTACT AND RESIDUAL SPRAY - Apply a diluted spray of Permanone H & G. Use sufficient spray to obtain full coverage of all foliage.

HOUSEPLANTS: To protect plants in indoor landscaping, spray directly on insects to kill *leafrollers*, *armyworms*, *cutworms*, *cabbage worms* on chrysanthemums; *fungus gnats* on velvet plants. Spray as directed above to control *aphids*, *armyworms*, *corn earworms*, *fall cankerworms*, *inchworms*, *Japanese beetles*, *leafminers*, *leafrollers*, *mealybugs*, *scales*, *spider mites*, *spring cankerworms*, *exposed thrips and whiteflies* on the following plants:

Ageratum	English Ivy	Poinsettia
Ardisia	Fuchsia	Portulaca
Aster	Gladiolus	Pothos
Azalea	Grape Ivy	Prayer Plant
Baby's breath	Hypoestes	Purple Passion
Begonia	Ivy	Rabbits foot fern
Birds-nest fern	Juniper	Rose
Bleeding heart	Lily	Schefflera
Carnation	Marigold	Snapdragon
Chrysanthemum	Orchid	Snake Plant
Coleus	Palm	Statice
Crown of Thorns	Pansy	Velvet Plant
Cockscomb	Piperomia	Verbena
Cyclamen	Petunia	Zinnia
Dracaena	Philodendron	
Dumbcane	Piggy-back plant	

Remove infested plants from living areas prior to application. Spray plants outside in an area not likely to be occupied by children or pets (particularly fish). When leaves dry, plants can be returned to original location.

Use with care on ferns, palms and fuchsia. As with all plants listed above, especially carnations, chrysanthemums and roses, there exists a wide variety of species and cultivars and therefore, a wide variety of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours and check for possible injury.

Repeat applications may be necessary to control citrus blackflies on non-bearing citrus; adult Japanese beetles on roses.

OUTDOOR ORNAMENTALS: Use 1 1/3 teaspoon (7 ml) of Permanone H & G in one gallon of water.

CONTACT AND RESIDUAL SPRAY - Apply a finished spray of Permanone H&G. Use sufficient Spray to obtain full coverage of all foliage. Spray in the late afternoon or evening when the temperature ranges from 50°F to 85°F and when there is little or no wind. Spray at the first indication of insect pests. Repeat as necessary; use intervals of 4 to 8 days. Permanone H & G application can be made up to the day of collection.

Spray as directed above to control *aphids*, *cicadas*, *corn earworms*, *fall cankerworms*, *inchworms*, *leafminers*, *leafrollers*, *mealybugs*, *bagworms*, *spider mites*, *exposed thrips and whiteflies* on the following plants:

Ageratum	Gladiolus	Pea shrub
Arizona Cypress	Gold bells	Petunia
Aster	Hypoestes	Philodendron
Azalea	Ivy	Poinsettia
Begonia	Lilac	Rhododendron
Coleus	Marigold	Rose
Common ninebark	Mock Orange	Snapdragon
Common Snowberry	Nannyberry	Taxus
Elm	Orchid	Wax plants
Exacum	Palm	Weeping fig
Euonymous	Pans	Zinnia
English Ivy		

FOR ORNAMENTAL TREES GROWN AROUND THE HOME: Use sufficient spray to obtain full coverage of all foliage. Avoid heavy wetting. Use to control: *pine moths*, *pine needle miners*, *pine beetles and needle scales* on pine; *budworms* on conifers; *oakworms* on oak; *fall webworms* on cherry, elm and honeysuckle; *aphids* on tulip poplar; *citrus black flies* on non-bearing citrus; *tussock moths* on Douglas and grand firs; *leafminers* on birch; *elm leaf beetle and elm spanworms* on elms.

TO KILL TENT CATERPILLARS: Application should be made when caterpillars are young and tents are first noticed. For best results, apply in the late afternoon or evening when caterpillars have returned to their tents. Mix 2.5 fl oz (74 ml) of this product in one gallon (3.79 L) of water. Wet tents with spray on all sides. A few caterpillars may be seen escaping from the tent, however, they should die within several hours.

TICKS (Lone Star, Bear, Black Legged), FLEAS, CRICKETS and EARWIGS: For treatment of localized infestations of these insects in outdoor areas where there are weeds or bushy non-crop areas. Mix 6.5 fl oz (192 ml) of Permanone H & G in one gallon of water (1 2/3 fl oz or 49 ml per quart) and spray infested areas thoroughly.

FOR USE ON LAWNS

For control of (ants (including fire ants), armyworms, chinch bugs, crickets, cutworms, Japanese beetle grubs, grasshoppers, mole crickets and sod webworms, consult the following chart:

PESTS	DILUTION	REMARKS
Armyworms Cutworms Chinch bugs Japanese beetle grubs Mole crickets Sod webworm	7 tsp/10 gal water/1000 ft ² (35 ml/38 L water/93m ²)	For surface feeders (armyworms, cutworms, chinch bugs, sod webworms), delay watering or mowing for 24 hours.
Crickets Grasshoppers Ants (including Fire Ants)	3 tsp/3 gal water/1000 ft ² (15 ml/11.4 L water/93m ²)	For subsurface feeders (Japanese beetle grubs, mole crickets), irrigate with ¼ inch of water immediately after application. For best results, delay watering or mowing for 24 hours after treatment.

Lawns should be no taller than 3 inches (7.6 cm) at time of application. Slightly more water may be used as long as the amount of product per area is as listed above. For heavy infestations, repeat application after two weeks.

Also for control of cutworms on dichondra and Irish moss. Use as directed above for lawns.

DIRECTIONS FOR USE OF Permanone H & G FOR APPLICATION ON VEGETABLES (For Backyard Vegetable Gardens Only): Prepare Permanone H & G as directed in the following chart. Use 0.25 gallon (1 quart) of finished spray per 110 square feet or one liter per 10.7 square meters of surface area.

Vegetable	Target Pest(s)	Remarks	Recommended Permanone H&G Dilution Use Rate Finished Spray		
			tsp/gal	ml/gal	ml/liter
Asparagus (pre-harvest)	Cutworm, Asparagus Beetle	Apply for uniform coverage as needed. Do not apply more than 4 applications per crop. Can be applied up to 3 days prior to harvest.	1	5	1½
(post-harvest)	Larval stages of Asparagus Beetle, Tarnished Plant Bug, Lygus Bugs, and Adult Japanese Beetle	Treat ferns or bush growth after spear harvest when insects are present.	1	5	1½
Celery	Vegetable Leaf Miner, Cabbage Looper, Black and Granulate Cutworm, Fall, Beet and Southern Armyworm	Apply every 3-5 days or as needed. Can be applied up to 3 days prior to harvest. Do not make more than 10 applications per season.	2	10	2½
Cole Crops: Broccoli, Brussels Sprouts, Cabbage, Cauliflower	Beet Armyworm, Diamond Back Moth, Imported Cabbageworm, Cabbage-aphid, Cabbage Looper	Apply every 5 days or as needed. Can be applied up to one day prior to harvest. Do not make more than 8 applications on Cauliflower, Brussels Sprouts and Broccoli and 10 applications on Cabbage.	1	5	1½
Eggplant	Colorado Potato Beetle, Vegetable Leaf Miner	Apply for uniform coverage as needed. Do not exceed 16 applications. Can be applied up to 3 days prior to harvest.	2	10	2½
Horseradish (foliar application)	Imported Crucifer Weevil	Apply as needed. Do not exceed 3 foliar applications. Can be applied up to 22 days prior to harvest.	2	10	2½
Head Lettuce only (Do not use on leaf lettuce)	Cabbage Looper, Alfalfa Looper, Beet Armyworm, Corn Ear Worm and Tobacco	Apply every 5-10 days as needed. Do not make more than 10 applications per	2	10	2½

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	Budworm	season. Can be applied up to 1 day prior to harvest.			
Potatoes	Beet Armyworm, Colorado Potato Beetle, Potato Leafhopper, Potato Flea Beetle, Aster Leafhopper, Potato Aphid, Potato Tuberworm, Cabbage Looper, Cutworms, European Corn Borer, Potato Psyllid, Tarnished Plant Bug	Apply as needed. Do not apply more than 12 applications. Can be applied up to 7 days prior to harvest.	2	10	2½
Peppers	Vegetable Leafminer, Cabbage Looper, Fleabeetle, Corn Earworm, Pepper Weevil, European Corn Borer	Apply as needed, but not more than 8 sprays per season. Can be applied up to 3 days prior to harvest.	2	10	2½
Spinach	Beet Armyworm, Corn Earworm, Cabbage Looper, Cutworms, European Corn Borer, Green Cloverworm and Leafhoppers	Apply for uniform coverage when needed but not more than 7 applications per season. Can be applied up to 7 days prior to harvest.	1	5	1½
Sweet Corn	Corn Earworm, European Corn Borer, Fall Armyworm, Southern Armyworm	Apply every 5 days and when needed but not more than 6 applications per season. Can be applied up to 1 day prior to harvest.	2	10	2½
Tomatoes (Do not apply on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter.)	Beet and Southern Armyworm, Tomato Pinworm, Tomato Fruitworm, Horn Worms, Granulate Cutworms, Colorado Potato Beetle, Cabbage Looper	Apply for uniform coverage when needed but not more than 6 applications per season. Can be applied up to date of harvest.	2	10	2½

DIRECTIONS FOR HOMEOWNER - BACKYARD USE OF Permanone H & G FOR TREE FRUIT AND NUT CROPS GROWN AROUND THE HOME

Apply finished spray to trees until foliage is dripping wet.

Trees (Fruit or Nut)	Target Pest(s)	Remarks	Recommended Permanone H&G		
			Dilution tsp/gal	Use Rate ml/gal	Finished Spray ml/liter
Almonds	Navel Orange Worm, Peach Twig Borer	Apply when insects appear. Do not make more than 2 applications during hull spilt and 5 applications per season. Can be applied up to 7 days prior to harvest.	3	15	4
Apples	Plum Curculio, Redbanded Leafroller, Rosyapple Aphid, Spotted Tentiform Leafminer, Tarnished Plant Bug, White Apple Leafhopper, Obliquebanded Leafroller, Green Fruitworm	Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications per season. Do not apply after petal fall.	3	15	4
Peaches	Lesser Peachtree Borer, Peach Twig Borer, Plum Curculio, Tarnished Plant Bug, Green Fruit Worm, Oriental Fruit Moth	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.	3	15	4

Pears (dormant through delayed dormant)	Pear Psylla	Apply during the dormant through delayed dormant growth period only. Add if desired, 8 oz. of spray oil to each gallon of Permanone H&G. Do not make more than 2 applications per season.	3	15	4
(summer)	Pear Psylla, Green Fruitworm, and Codling Moth	Apply when needed. Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest.	3	15	4

STORAGE & DISPOSAL

Storage: Store in an area away from children and pets.

Disposal: Do not reuse empty container. Wrap and put in trash.

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

Alternate Bullet Points:

Vegetable, Lawn and Garden Spray Concentrate

It's the least you can do for your plants

Safe on over 60 varieties of plants

Controls many garden insect pests

Controls many ornamental insect pests

Plant pest control

Vegetable insect pest control

Permethrin power

Effective control of hard to kill insect pests

Multi-Purpose insect killer

Works fast

Residual action

Long-lasting

Quick-acting

Responsible care for your garden

Kills fast-proven to last

You control the pest, we control the spray