

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St. S.W.
Washington, D.C. 20460

EPA Reg. Number:
432-854

Date of Issuance:
May 27, 1998

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:

Pramex® 13.3% H&G Insect Control

Name and Address of Registrant (include ZIP Code):

Sharon M. Johnston
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/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 following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 432-854".

Signature of Approving Official:

George T. LaRocca
for George T. LaRocca
Product Manager 13
Insecticide Branch
Registration Division (7505C)

Date:

MAY 27 1998

EPA Form 8570-6

CONCURRENCES

SYMBOL	SURNAME	DATE
A1	432/854. rcc	5/27/98

OFFICIAL USE COPY

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.

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

Sincerely yours,



 George T. LaRocca
Product Manager 13
Insecticide Branch
Registration Division (7505C)

Enclosure

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ACCEPTED
with comments
MAY 27 1998
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 432-854

PRAMEX®
13.3% H&G INSECT CONTROL

PRECAUTIONARY STATEMENTS
Hazards To Humans & Domestic Animals
DANGER

- For Use on Plants
- Contains 1 lb/gal (120 g/L) of Pramex Insecticide
- For Use Outdoors Around Buildings, Homes, in Small Flower and Vegetable Gardens and On Fruit, Nut and Ornamental Trees
- Water-Dilutable Low Odor Formula
- Economical – 8 oz. Makes up to 48 Gallons
- Use on Lawns, Gardens and Fruit Trees

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear safety glasses. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Do not use in food handling areas.

Environmental Hazards

This product is extremely toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply directly to water. Apply this product only as specified on this label.

ACTIVE INGREDIENT:

Permethrin	13.30%
OTHER INGREDIENTS:†	86.70%
	100.00%

Physical And Chemical Hazards

Do not use or store near heat or open flame. Flashpoint minimum of 105°F (41°C).

†Contains Aromatic Petroleum Solvent.
*Cis/trans isomers ratio: min. 35% (±) cis and max. 65% (±) trans.
U.S. Patent No. 4,024,163
Pramex is a registered trademark of AgrEvo Environmental Health, Inc.

DIRECTIONS FOR USE

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

EPA Reg. No. 432-*TLU* EPA Est. No.

KEEP OUT OF REACH OF CHILDREN
DANGER
FIRST AID

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or ornamental gardens or parks or lawns and grounds.

If In Eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

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

If Swallowed: Call a physician or Poison Control Center. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of skim milk, egg whites, gelatin solution, or, if these are not available, large quantities of water. Avoid alcohol. This product contains aromatic petroleum solvent. Aspiration may be a hazard.

<u>Pramex H&G*</u>	<u>Water</u>
1 teaspoon (5 ml)	1 gallon (3.79 L)

*NOTE: Do not use more Pramex H&G than recommended as this may cause some plant injury.

Note To Physician: This product contains a pyrethroid and a petroleum solvent. The possibility of aspiration pneumonia must be considered. The product is caustic and probable mucosal damage may contraindicate gastric lavage. Do NOT administer whole milk, cream or other substances containing vegetable or animal fats which enhance absorption of lipophilic substances.

Use this dilution unless other instructions are given.

See Side Panel for Additional Precautions

CONTACT AND RESIDUAL SPRAY – Apply a finished spray of Pramex H&G. Use sufficient spray to obtain full coverage of all foliage. Adjust spray volume used to plant size.

NET CONTENTS:

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*

AgrEvo Environmental Health
95 Chestnut Ridge Road
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Mites, Spring Cankerworms, Exposed Thrips and Whiteflies on the following plants:

Ageratum	English ivy	Poinsettia
Ardisia	Fuschia	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	

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	Pansy	Zinnia
English ivy		

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 one teaspoon of Pramex H&G in one gallon of water.

CONTACT AND RESIDUAL SPRAY - Apply a finished spray of Pramex H&G. Use sufficient spray to obtain full coverage of all foliage. Adjust spray volume used to plant size.

Spray in the late afternoon or evening when temperature ranges from 50°F to 75°F and when there is little or no wind.

Spray at the first indication of insect pests. On those plants that will flower during the season, the spray schedule should be completed before blossom formation. Repeat as necessary. Use intervals of 4 to 8 days. Pramex 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
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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 Beetles 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 fl. oz (59 ml) of this product in one gal (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.

CLUSTER FLIES: Apply this product undiluted to the outside surfaces of buildings at the rate of 2.5 fl oz/1000 sq ft (74 ml/93m²). Use apparatus which delivers a strong mist spray of small particle size. Hold nozzle about three feet (or 1 meter) from surface to be treated. Apply when wind velocity is less than 2 mph (3.2 kph) to avoid drift.

TICKS (Lone Star, Deer, 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 1 1/3 ounces of Pramex H&G in 1 quart of water (or 5 1/3 ounces per gallon) 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:

<u>PESTS</u>	<u>DIJECTION</u>
Armyworms	5 tsp/10 gal water/1000 ft ²
Cutworms	(25 ml/38 L water/93m ²)
Chinch bugs	
Japanese beetle grubs	
Mole crickets	
Sod webworm	

Crickets 2 tsp/3gal water/1000 ft²
 Grasshoppers (10 ml/11.4 L water/93m²)
 Ants (including Fire Ants)

the amount of product per area is as listed above. For heavy infestations, repeat application after two weeks.

Lawns should be no taller than 3 inches (7.6 cm) at time of application. Slightly more water may be used as long as

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

DIRECTIONS FOR USE OF PRAMEX H&G FOR GROUND APPLICATION ON VEGETABLES:
 (For backyard Vegetable Gardens Only)

Prepare Pramex H&G spray mix as directed in the following chart.

Use 0.25 gallons of finished spray per 110 square feet or one liter per 10.7 square meters of surface area.

Vegetable	Target Pest(s)	Remarks	Recommended Pramex H&G Dilution of Finished Spray	
			tsp/gal	ml/liter
Asparagus (pre-harvest)	Cutworms, Asparagus Beetles	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.	4 tsp/5 gal	1
Asparagus (post-harvest)	Larval stages of Asparagus Beetles, Tarnished Plant Bugs, Lygus Bugs and Adult Japanese Beetles	Treat ferns or bush growth after spear harvest when insects are present.	4 tsp/5 gal	1
Celery	Vegetable Leaf Miners, Cabbage Loopers, Black and Granulate Cutworms, Fall, Beet and Southern Armyworms	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.	1.5 tsp/1 gal	2
Cole Crops: Broccoli, Brussels Sprouts, Cabbage, Cauliflower	Beet Armyworms, Diamond Back Moths, Imported Cabbageworms, Cabbage Aphids, Cabbage Loopers	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.	4 tsp/5 gal	1
Eggplant	Colorado Potato Beetles, Vegetable Leaf Miners	Apply for uniform coverage as needed. Do not exceed 16 applications. Can be applied up to 3 days prior to harvest.	1.5 tsp/1 gal	2
Horseradish (spring pre-plant dip)	Imported Crucifer Weevils	Soak sets for 30 minutes in 0.1% solution and air dry before planting.	6.5 tsp/1 gal	8.4
Horseradish (Foliar application)	Imported Crucifer Weevils	Apply as needed. Do not exceed 3 foliar applications. Can be applied up to 22 days prior to harvest.	1.5 tsp/1 gal	2
Head Lettuce only (Do not use on Leaf Lettuce)	Cabbage Loopers, Alfalfa Loopers, Beet Armyworms, Corn Ear Worms and Tobacco Budworms	Apply every 5-10 days as needed. Do not make more than 10 applications per season. Can be applied up to 1 day prior to harvest.	1.5 tsp/1 gal	2
Potatoes	Beet Armyworms, Colorado Potato Beetles, Potato Leafhoppers, Potato Flea Beetles, Aster Leafhoppers, Potato Aphids, Potato Tuberworms, Cabbage Loopers, Cutworms, European Corn Borers, Potato Psyllid, Tarnished Plant Bugs	Apply as needed. Do not apply more than 12 applications. Can be applied up to 7 days prior to harvest.	1.5 tsp/1 gal	2
Peppers	Vegetable Leafminers, Cabbage Loopers, Flea Beetles, Corn Earworms, Pepper Weevils, European Corn Borers	Apply as needed, but not more than 8 sprays per season. Can be applied up to 3 days prior to harvest.	1.5 tsp/1 gal	2
Spinach	Beet Armyworms, Corn Earworms, Cabbage Loopers, Cutworms, European Corn Borers, Green Cloverworms 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.	4 tsp/5 gal	1
Sweet Corn	Corn Earworms, European Corn	Apply every 5 days and when needed but		

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	Borers, Fall Armyworms, Southern Armyworms	not more than 6 applications per season. Can be applied up to 1 day prior to harvest.	1.5 tsp/1 gal	2
Tomatoes (Do not apply on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter.)	Beet and Southern Armyworms, Tomato Pinworms, Tomato Fruitworms, Horn Worms, Granulate Cutworms, Colorado Potato Beetles, Cabbage Loopers	Apply for uniform coverage when needed but not more than 6 applications per season. Can be applied up to date of harvest.	1.5 tsp/1 gal	2

DIRECTIONS FOR HOME-OWNER BACKYARD USE OF PRAMEX H&G FOR TREE FRUIT AND NUT CROPS GROWN AROUND THE HOME:
 (For Ground Application Only)

Apply finished spray to trees until foliage is dripping wet. Application rate is based on dwarf and semi-dwarf sized fruit trees requiring 130 gallons/acre to runoff.

Trees (Fruit or Nut)	Target Pest(s)	Remarks	Recommended Pramex H&G Dilution Finished Spray	
			tsp/gal	ml/liter
Almonds	Navel Orange Worms, Peach Twig Borers	Apply when insects appear. Do not make more than 2 applications during hull split and 5 applications per season. Can be applied up to 7 days prior to harvest.	2.2 tsp/1 gal	3
Apples	Plum Curculio, Redbanded Leafrollers, Rosyapple Aphids, Spotted Tentiform Leafminers, Tarnished Plant Bugs, White Apple Leafhoppers, Obliquebanded Leafrollers, Green Fruitworms	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.	2.2 tsp/1 gal	3
Peaches	Lesser Peachtree Borers, Peach Twig Borers, Plum Curculio, Tarnished Plant Bugs, Green Fruit Worms, Oriental Fruit Moths	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.	2.2 tsp/1 gal	3
Pears (dormant through delayed dormant)	Pear Psylla	Apply during the dormant thorough delayed dormant growth period only. Add, if desired, 8 oz. Of spray oil to each gallon of Pramex diluted spray. Do not make more than 2 applications per season.	2.2 tsp/1 gal	3
Pears (summer)	Pear Psylla, Green Fruitworms and Codling Moths	Apply when needed. Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest.	2.2 tsp/1 gal.	3

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