



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

EPA Reg. Number:

4-373

28 AUG 1995

Term of Issuance: Conditional

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Name of Pesticide Product: Bonide
Flying and Crawling
Insect Spray

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Bonide Products, Inc.
2 Wurz Avenue
Yorkville, NY 13495

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. 4-373".
 - b. Include only the name "Resmethrin" as the active ingredient on the **Ingredients Statement**, and delete the chemical name as specified in the Resmethrin Registration Standard.
 - c. Delete "w/w" from each line in the **Ingredients Statement**.
 - d. Change the **Statement of Practical Treatment** to read as follows:

IF IN EYES: Flush with plenty of water. Call a physician if irritation persists.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

- e. Change the **Environmental Hazards Statement** to read as follows:

[For commercial use] For terrestrial uses. This product is highly toxic to fish. 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 equipment washwaters. Drift and runoff from treated areas may be hazardous to fish in adjacent waters.

[For homeowner use] This pesticide is highly toxic to fish. Do not apply directly to water. Drift and runoff from treated sites may be hazardous to fish in adjacent waters. Do not contaminate water when disposing of equipment washwaters or rinsate.

- f. Change the **Physical or Chemical Hazards Statement** to read as follows: "Do not apply this product in or on electrical equipment due to the possibility of shock hazard. Do not use on surface that can be harmed or stained by water.
- g. Change the first sentence of the **Storage & Disposal Statement** to read "Do not contaminate water, food or feed by storage or disposal."
- h. Delete the reference to dilution in the **Directions for Use/Indoors/Contact Spray: Flying Insects**. This product is ready-to-use.

- 3. Submit three 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.

RPK

Richard P. Keigwin, Jr.
Product Manager 10
Insecticide & Rodenticide Branch
Registration Division (7505C)

BONIDE
Flying and Crawling Insect Spray

* **CAN BE USED IN NON-FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS**

ACTIVE INGREDIENTS:

- *Resmethrin [5-(phenylmethyl)-3-furanyl] methyl 2,2-dimethyl-3-(2-methyl-1-propenyl) cyclopropanecarboxylate 0.08% w/w
- Pyrethrins 0.02% w/w
- *Piperonyl Butoxide, Technical 0.02% w/w
- INERT INGREDIENTS:** 99.88% w/w
- 100.00% w/w

*Cis/trans isomers ratio: max. 30%(±)cis and min. 70%(±)trans.
 ‡Roussel Uclaf Corporation's SBP-1382® brand of resmethrin insecticide.
 *Equivalent to 0.016% (butylcarbitol)(6-propylpiperonyl) ether and 0.004% related compounds.

PRECAUCION AL CONSUMIDOR: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you).

EPA REG. NO. 432-559

EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN
CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

**See Side Panel For Additional
Precautionary Statements**

NET CONTENTS:

ACCEPTED
with COMMENTS
in EPA Letter Dated

28 AUG 1995

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

4-373

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

CAUTION

Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

Do not use in edible product areas of food processing plants, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed. In the home, cover all food handling surfaces and cover or remove all food and cooking utensils. Remove pets and cover fish aquariums before spraying.

Environmental Hazards

This pesticide is highly 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. Drift and runoff from treated sites may be hazardous to fish in adjacent waters. Do not contaminate water when disposing of equipment washwaters.

Physical And Chemical Hazards

Do not apply this water-based product in conduits, motor housings, junction and switch boxes or other electrical equipment because of possible shock hazard. Do not use on surfaces that can be harmed or stained by water.

DIRECTIONS FOR USE

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

STORAGE & DISPOSAL

Do not contaminate food or feed by storage or disposal.
Storage: Do not store this water-base formulation at temperatures below 32°F (0°C).
Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
Container Disposal: FOR CONTAINERS 1 GALLON AND UNDER: Do not reuse empty container. Wrap container and put in trash.
 FOR CONTAINERS OVER ONE GALLON: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and Local authorities.

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 climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

For use in non-food areas indoors and outside premises of hotels, motels, homes, preschools, apartment buildings, commercial, office, institutional and storage buildings, recreational buildings, boats, ship cabins, and hospitals. IN HOSPITALS, remove patients prior to treatment. Ventilate rooms for two hours before returning patients.

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This product can be used in non-food areas only, such as corridors, offices, foyers, lavatories, garages, utility rooms and basements, of packaging and processing plants, milk handling areas of milk plants, milk storage rooms, egg processing plants, supermarkets, restaurants, bottling plants, canneries, flour and feed mills, and bakeries.

Also, for use in and around campers, mobile homes, buses and automobiles. This product can be used in cargo planes, trucks, boxcars and ship cargo holds only if the vehicles are not used for transport of food or food products at any time.

Also, for use in dog kennels and horse stables. In horse stables, not for application if horses are to be used for food. Do not spray on horses and dogs. Do not spray dog and horse food or feed items.

Note to pest control operators: One gallon (3.79 L) of spray is sufficient to treat 1500 linear feet (457 meters) with a 6 inch (15.2 cm) spray band.

INDOORS

CONTACT SPRAY: Flying insects - To kill *House Flies, Black-flies, Mosquitoes, Cluster Flies, Gnats, Fruit Flies, Flying Moths (Millers)*: Apply as a space spray. Mix well before using. Fill spray tank with spray dilution. Adjust pressure and nozzle to deliver a fine spray. Apply as a contact spray, hitting insects directly where possible. Keep the spray nozzle at all times at least four feet from fabrics to avoid wetting or staining. Repeat as necessary.

CRAWLING INSECTS: To kill *Cockroaches (Waterbugs), Crickets, Silverfish, Earwigs, Spiders Sowbugs (Pillbugs), Centipedes, Grain Mites and Grain Insects (Adults and Accessible Stages Of Confused Flour Beetles, Red Flour Beetles, Sawtoothed Grain Beetles, Cigarette Beetles, Shiny Spider Beetles, Carpet Beetles, Grain Weevils, Angoumois Grain Moths, Indian Meal Moths)*. Apply as a contact spray. Mix well before using. Fill spray tank with spray. Keep spray nozzle about 8 to 12 inches (20 to 30 cm) from surface to be treated. Adjust pressure and nozzle to deliver a coarse spray with particle size larger than that of the average aerosol. Spray thoroughly into hiding places such as cracks, moist areas, openings around pipes and sinks, under refrigerators, baseboards, storage areas and other insect harborage areas. Spray directly on insects where possible. Repeat as necessary.

TO KILL BEDBUGS AND LICE: Apply as a spot treatment to cracks and crevices around baseboards, floorboards, bedboards and walls. First, thoroughly clean and air mattresses and springs. Then spot treat only areas that may harbor pests, concentrating on tufts, folds and seams. Repeat as necessary. For persistent infestation, consult professional applicator.

TO KILL SPIDERS: Spray directly on these pests and use repeated applications to the webbing and all cracks and crevices which harbor spiders.

TO KILL ANTS - Including *Fire Ants*: Spray doors, around window frames, and other points of entry. Spray ant trails, nests, and hills contacting as many ants directly as possible.

ORNAMENTAL PLANTS INDOORS: in homes, commercial and institutional buildings, and for indoor landscaping: To control *Aphids, Fungus Gnats, Leafhoppers, Red Spider Mites, Plant Bugs, Spittlebugs, Thrips, and Whiteflies* on the plants listed below.

Prior to spray application, remove infested plants from living and eating areas, and place in an area not likely to come in contact with pets, children or food. Plants can be returned to original location when leaves dry.

If plant removal is not possible, remove or cover exposed food and food handling surfaces, including utensils, and remove animals. Shut off ventilating systems, air ducts, and air conditioning equipment. Avoid spray contact with surrounding areas.

Apply the spray to the upper and lower surfaces of plant foliage to the point of run-off. Avoid wetting blossoms if possible. Spray in the late afternoon or evening, when temperatures range from 50° to 72°F (10° to 22°C). Repeat applications weekly if necessary.

Ageratum	Ferns: Asparagus	Peperomia
Aluminum Plant	Boston	Petunia
Arrowhead Vine	Sword	Philodendron
Aster	Ficus	Piggy-back Plant
Azalea	Pushia	Poinsettia
Baby's Tears	Gardenia	Pothos
Begonia	Geranium	Prayer Plant
Black-Eyed Susan	Heliotrope	Purple Waffles
Bridal Veil	Hibiscus Roses	
Broadleaf Acacia	Hoya	Rubber Plant
Calendula	Ice Plant	Salvia
Camations	Inch Plant	Sedum
Christmas Cactus	Ivy: German	Shamrock
Chrysanthemum	Grape	Snake Plant
Coleus	Swedish	Snapdragon
Daisy	English	Star-of-Bethlehem
Daphne	Marigold	Verbena
Dracaena	moses in Cradle	Wandering Jew
Dumbcane	Nasturtium	Wax plant
Easter Lily	Nephtytis	Zebra Plant
Fatsyhedera	Palms	Zinnia
	Pansy	

USE WITH CAUTION: on African violet, azalea, reiger begonia, browallia, Tahitian bridal veil, caenothus, camellia, plumosa fern, gloxinia, impatiens, geranium, oxalis, jade, primrose, cyclamen, wax begonia, spider plant, chrysanthemum, Boston fern, geranium, and friendship plant.

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

OUTDOORS

Premises: For use around residential, commercial and institutional buildings, gardens, yards, patios, mobile homes and campers. To control the pests listed below:

TO KILL HOUSE FLIES, MOSQUITOES, GNATS. (MIDGES), CLUSTER FLIES, BLACK FLIES, FLYING MOTHS. (MILLERS), FRUIT FLIES: Spray resting areas to reduce annoyance from these pests. Hold sprayer 18 to 24 inches (46 to 61 cm) from areas to be treated. Spray these areas with a slow sweeping motion, at the rate of from 1 to 3 seconds per cubic yard (0.78 m³) of space, while moving away from the treated areas. Treat open porches and patios in a similar manner. Spray only when air is still. Allow spray to dissipate before occupying the treated area. Repeat as necessary.

ANTS: Same as directed above for indoor use.

FIRE ANTS: Kills and temporarily reduces annoyance of these insects. To reduce annoyance from ants and keep them from

entering homes, spray patios, barbecue areas, driveways, entryways, doorsills, window sills, other entrance areas, foundations of buildings, ant trails, around pools and areas where ants are noticed. Spray until the area is wet contacting as many insects as possible. This treatment will not kill the colonies but will reduce the immediate population for up to four hours. Repeat as necessary.

CRICKETS, SILVERFISH, EARWIGS, SPIDERS, SOWBUGS AND CENTIPEDES: Same as directed above for indoor use.

ORNAMENTAL PLANTS OUTDOORS: To control the pests listed below, spray the upper and lower surfaces of plant foliage to the point of run-off. Spray in the late afternoon or evening, when the temperature ranges from 50° to 72°F (10° to 22°C) and when there is little or no wind. Spray early in the season or when the pests first appear. Weekly applications may be necessary for heavy infestations. On those plants that will flower during the season, the spray schedule should be completed before blossom formation.

TO KILL: *Apbids, Fungus Gnats, Gypsy Moths, Oakworms, Elm Spanworms, Cicada, Inchworms, Cankerworms (Fall and Spring), Climbing Cutworms, Japanese Beetles, Leafhoppers, Plant Bugs, Spittlebugs, Thrips, Tussock Moths, and Whiteflies* on the following trees and shrubs:

Althea	Forsythia	Palm
Amaranth	Hemlock	Pitosporum
Aralia	Holly	Podocarpus
Arborvitae	Ixora	Rhododendron
Boxwood	Lantana	Spirea
Bugleweed	Laurel	Spruce
Dogwood	Lilac	Sweet Olive
Elm	Locust	Toyon
Euonymous	Mimosa	Vibunum
Flowering Maple	Oak	Yew

TO KILL: *Apbids, Fungus Gnats, Leafhoppers, Inchworms, Plant Bugs, Spittlebugs, Thrips, Spider Mites, and Whiteflies* on the following plants:

Ageratum	Daphne	Peony
Aster	Puchsia	Petunia
Begonia	Gardenia	Philodendron
Black-eyed Susan	Gladiola	Poinsettia
Broadleaf Acacia	Heliotrope	Queen Sago
Calendula	Hibiscus	Roses
Hypoetes	Iris	Salvia
Coleus	Ivy	Snapdragon
Daisy	Marigold	Tobira
	Nasturtium	Zinnia

USE WITH CAUTION: On African violet, ash, azalea, Reiger begonia, wax begonia, geranium, browallia, columnnea, cotooneaster, caenothus, camellia, plumosa fern, gloxinia, impatiens, juniper, non-bearing mulberry and quince, oxalis, jade, primrose, cyclamen and cypress.

TO KILL TENT CATERPILLARS: Application should be made when caterpillars are young and tents are first noticed (usually late spring). For best results, apply in the late afternoon or evening when caterpillars have returned to their tents. Aim spray directly at tents, and totally saturate on all sides. Repeat as necessary.

TO KILL GYPSY MOTH CATERPILLARS: Application should be made when caterpillars are young and are first noticed (usually late spring). Spray plants evenly to the point of run-off; apply to both sides of leaves and other areas of plants where insects are

suspected. For dense evergreens and shrubs, be sure spray reaches interior leaves and branches.

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.

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

Manufactured by:
Bonide Products, Inc.
Yorkville, NY 13495