

PM 13 4-350

10/10

MAY 13 1993

310/5434059
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Mr. James J. Wurz
Bonide Products Inc.
2 Wurz Ave.
Yorkville, NY 13495

Dear Mr. Wurz,

Subject: Amendment - Additional Use Sites
Bonide Pest Control Concentrate
EPA Registration Number 4-350
Your Submission Dated January 12, 1993

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, sec. 3(c)(7)(A), is acceptable, 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.

2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. Delete the claim "Kills Ticks That Cause Lyme Disease" and refer to our letter of October 1, 1991 concerning appropriate wording and data in support of this type of claim.

b. Under Precautionary Statements add the following:

- Do not apply this product in hospital patient rooms while occupied or in any rooms while occupied by the elderly or infirm.
- Do not apply in classrooms when in use.
- Do not apply to institutions (including libraries, sports facilities, etc.) when occupants are present in the immediate area.
- Do not use this product on old, sick or debilitated dogs.

c. Revise the Statement of Practical Treatment by moving the statement beginning "If Inhaled" to the end of the section.

CONCURRENCES

SYMBOL							
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DATE	5/10/93						

d. Revise the paragraph beginning "Do not use in food areas..." by replacing "food" with "food/feed" as follows:

Do not use in food/feed areas of food/feed handling establishments, restaurants....where food/feed is commercially prepared or processed....but excluding areas where foods may be prepared or held.

Then add the following:

In the home, cover all food handling surfaces and cover or remove all food and cooking utensils or wash thoroughly after treatment.

[Nonfood areas are areas such as garbage rooms...]

Food/feed areas of commercial food/feed handling establishments where the product cannot be used include areas for receiving, serving, storage (dry, cold, frozen, raw), packaging (canning, bottling, wrapping, boxing), preparing (cleaning, slicing, cooking, grinding), edible waste storage, enclosed processing systems (mills, dairies, edible oils, syrups).

d. i.) The directions for use on dogs and dog premises appear in three areas on the label. If the instructions for use on dogs in included in the section for use on animals and animal premises, delete the paragraph under "Indoor Pest Control" beginning "Fleas, Brown Dog, etc..."

ii.) In addition, under "Indoor Pest Control, Carpet Beetles and Clothes Moths" replace the word "container" with "spray nozzle" or "sprayer" since this product cannot be applied directly from the container.

e. Update the Environmental Hazards statement by replacing the second and third sentences with "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 contaminate water when disposing of equipment washwaters."

f. Change "Active Ingredients" to the singular and add a footnote to "Inert Ingredients" indicating "Contains petroleum distillates."

g. Under "Pests on Swine and Poultry," change "retreat" to "repeat" in "Repeat after 14 days,..."

3. Submit 5 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 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.

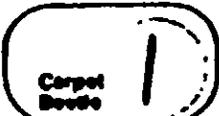
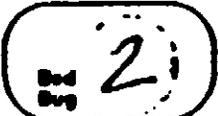
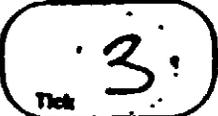
George T. LaRocca
Product Manager (13)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosures

BONIDE®

P.C. PEST CONTROL SPRAY CONCENTRATE

**CONTROLS INSECT PESTS FOR UP TO 4 WEEKS.
CONTROLS INSECTS ON PETS AS WELL.
Recommended for Use by Commercial Applicators.**

EPA Est. No. 4-NY-1 EPA Reg. No. 4-350

ACTIVE INGREDIENTS:
 *† Permethrin (3-phenoxyphenyl)methyl (±) Cis, trans-3-(2,2-dichloroethyl)-2,2-dimethylcyclopropanecarboxylate 13.30%w/w
INERT INGREDIENTS 86.70%
 100.00%w/w

*Cis/trans isomers ratio: min. 35% (±) cis and max. 65% (±) trans.
 †U.S. Patent No. 4,824,183
 ‡Roussel Bio is Pramex® brand of permethrin insecticide.
 Roussel Bio Corp., 400 Sylvan Avenue, Englewood Cliffs, N.J. 07632

CONTAINS 1 lb./gal. PRAMEX® INSECTICIDE

WARNING KEEP OUT OF REACH OF CHILDREN
 See side panel for additional Precautionary Statements and Statement of Practical Treatment.

NET CONTENTS 8 Fl. Oz.

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAY 13 1993

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

4-350

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS—WARNING

Causes eye irritation. Do not get in eyes. Avoid contact with skin or clothing. Harmful if swallowed. Avoid breathing vapor. Wash thoroughly after handling.

For space spraying indoors wear a NIOSH or MSHA approved respiratory protection device.

STATEMENT OF PRACTICAL TREATMENT—If inhaled: Remove person to fresh air. Apply artificial respiration if indicated. If Swallowed: Call a physician or Poison Control Center. Do not induce vomiting. This product contains aromatic petroleum solvent. Aspiration may be a hazard. If In Eyes: Flush with plenty of water. Get medical attention. If on skin: Wash with soap and plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS—This product is extremely toxic to fish. Do not contaminate water by disposing of equipment washwaters. Keep out of lakes, streams or ponds, tidal marshes or estuaries. Apply this product only as specified on this label.

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

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

STORAGE AND DISPOSAL

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

Storage: Store product in original container in a locked storage area.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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

FOR USE IN NON-FOOD AREAS INDOORS AND OUTSIDE PREMISES OF HOTELS, MOTELS, HOMES, PRESCHOOLS, NURSERIES, DAY CAMPS, GREENHOUSES, LATHHOUSES, SEED HOUSES, FOOD HANDLING ESTABLISHMENTS, PACKAGING AND PROCESSING PLANTS, COMMERCIAL, INDUSTRIAL, OFFICE, INSTITUTIONAL AND STORAGE BUILDINGS, DAIRIES, MILK STORAGE ROOMS, EGG PROCESSING PLANTS, SUPERMARKETS, RESTAURANTS, BOTTLING PLANTS, CANNERIES, FLOUR AND FEED MILLS, BAKERIES, AND HOSPITALS. IN HOSPITALS, PATIENTS SHOULD BE REMOVED PRIOR TO TREATMENT. ALSO FOR USE IN CAMPERS, MOBILE HOMES, BUSES, AUTOMOBILES, TRUCKS, AND BOXCARS. ALSO FOR USE IN DOG KENNELS AND HORSE STABLES. IN HORSE STABLES, NOT FOR APPLICATION IF HORSES WILL BE USED FOR FOOD.

Do not use in food areas of food handling establishments, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where prepared foods are served such as dining rooms but excluding areas where foods may be prepared or held. Not for use in USDA meat and poultry plants. Nonfood areas are areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

DO NOT USE THIS PRODUCT IN OR ON ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD.

For contact and residual sprays, mix with water in the following manner:

Finished Spray	Insect Control (Fluid Ounces)	Water
0.25%	2 2/3 (5 1/2 tbsps.)	1 gallon
0.25%	2/3 (4 tps.)	1 quart
0.50%	5 1/2 (10 2/3 tbsps.)	1 gallon
0.50%	1 1/2 (8 tps.)	1 quart

For heavy infestations, use the 0.50% dilution. For lighter infestations and for maintenance purposes, use the 0.25% dilution. One gallon of finished spray is sufficient to treat 1500 linear feet with a 6 inch spray band.

Indoor Pest Control

For residual and contact control of cockroaches (waterbugs), crickets, silverfish (firebrats), clover mites, millipedes, centipedes, earwigs, sowbugs (pillbugs), spiders, brown dog ticks, lone star ticks, ants, fire ants, clothes moths, carpet beetles, fleas, boxelder bugs, scorpions, spider beetles, bedbugs, grasshoppers, house flies, mosquitoes, gnats, fruit flies, cluster flies, flying moths, confused flour beetles, saw-toothed grain beetles, shiny spider beetles, grain mites, red flour beetles, angoumois grain moths, grain weevils, Indian meal moths, Mediterranean flour moths, lesser grain borers, cigarette beetles, drug store beetles, chocolate moths. Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards and storage areas. Spray directly on insects where possible.

For bedbugs: 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 bedbugs, concentrating on tufts, folds and seams. Repeat as necessary.

Allow all treated articles to dry thoroughly before use.

Grain insects: To control confused flour beetles, saw-toothed grain beetles, spider beetles, shiny spider beetles, grain mites, red flour beetles, angoumois grain moths, grain weevils, Indian meal moths, Mediterranean flour moths, lesser grain borers, cigarette beetles, drug store beetles, chocolate moths, carpet beetles—remove infested grain, cereal or flour and destroy. Avoid contamination of other food and foodstuffs in the areas by removing before spraying. Spray directly on exposed stages and into cracks and crevices where grain insects may be hiding. In homes, dispose of all infested products. The shelves and drawers should be cleaned and thoroughly sprayed so as to contact all pests, and covered with shelf paper after allowing shelves to dry. Any utensils that are contacted with spray should be washed before using. Repeat as necessary.

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

Ants: To kill ants, spray trails, nests and points of entry within buildings and homes. Spray directly on ants where possible. Repeat as necessary.

Wasps, Hornets, Yellow Jackets, Bees, Indoors: Application should be made in the late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible. Repeat as necessary.

FLEAS, BROWN DOG, DEER, AND LONE STAR TICKS ON DOGS, CATS, AND PREMISES: Spray animals along back, under forelegs and on other areas, except scrotum, face and anus. Part hair to contact skin and insure good coverage. Hold sprayer about one foot away while spraying. Apply until hair is thoroughly moist. Do not spray directly in eyes, mouth or nose of animal. To prevent reinfestation, thoroughly spray the animals' bedding and other resting areas until the surface is slightly moist contacting as many insects as possible. Treat the floor areas, cracks and crevices in the floor and along baseboards at the rate of 2 seconds per linear foot at a distance of 12 to 18 inches. Also spray the entire inside surface of dog houses.

House Flies, Mosquitoes, Cluster Flies, Gnats, Fruit Flies, Flying Moths: Close off all doors and windows. Point sprayer upward. Direct spray mist to all parts of the room, especially windows and other light sources which may attract these insects. Fill the room with mist, then leave the treated area. Keep the room closed for at least 15 minutes. Do not remain in treated room. Ventilate the room when treatment is completed.

Carpet Beetles and Clothes Moths: To treat carpets — hold container 14 — 18 inches from carpet. Apply spray evenly, covering the entire surface until slightly moist. Spray underside of carpet when possible. Avoid wetting or soaking. To Treat Garments, Blankets, Carpets and Other Fabrics Before Storage: Dry clean or wash before treatment and after storage. Apply spray evenly, covering the material on both sides until slightly moist. For best results, place treated materials in plastic bags after drying, and store in a dark place. Also spray floor and baseboards, closets, cracks, crevices, infested areas of shelving and/or wherever these insects are seen or suspected.

NOTE: When treating upholstery, carpeting, fabric, or finely finished surfaces, apply to an inconspicuous area first to observe any possible adverse reaction.

Outdoor Pest Control

Pests on Outside Surfaces of Buildings: Use this product to control ants, clover mites, crickets, earwigs, millipedes and sowbugs (pillbugs) on the outside surfaces of buildings. To help prevent infestation of buildings, treat the building foundation to a height of 2 to 3 feet where pests are and may find entrance. Also, apply as a residual spray to outside surfaces of buildings, including porches, screens, window frames, eaves, patios, garages, refuse dumps, and other areas where these pests congregate or have been seen. Repeat treatment as needed to maintain effectiveness.

House Flies, Mosquitoes, Cluster Flies, Gnats, Flying Moths Outdoors: For outdoor use only as an aid in reducing annoyance from these insects. Spray outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where these insects alight or congregate. Repeat as necessary.

ANTS, DEER AND LONE STAR TICKS, CRICKETS, FLEAS, AND EARWIGS, OUTDOORS: For treatment of localized infestations of these insects in outdoor areas where there are weeds or bushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways. Repeat application as infestations warrant and as reinfestations occur.

Wasps, Hornets, Yellow Jackets, Bees Outdoors: Application should be made in late evening when insects are at rest. Aim spray at nest openings in ground, bushes, and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible.

To Control Fire Ants: Dilute 2 tablespoons of this product in 1 gallon of water. Apply 1 gallon of solution as a gentle rain to each fire ant mound using a sprinkler can. Thoroughly wet the mound and surrounding area to a 4 foot diameter. For best results, apply in cool weather, 65 — 80°F, or in early morning or late evening hours. Treat new mounds as they appear. Do not disturb the mound prior to treatment. If possible, treat all mounds in the vicinity, and treat all colonies which may not as yet have constructed a mound. Larger quantities of solution can be prepared for multiple mound treatments. Equipment to deliver the diluted product as a gentle rain at the rate of 1 gallon per mound is still required. Do not use equipment that produces a pressurized spray as pressurized sprays may disturb fire ants and cause migration, reducing product effectiveness.

PESTS IN CATTLE BARNs, HORSE BARNs, SWINE HOUSES, KENNELS, MILKING PARLORS, MILK ROOMS, DAIRIES, POULTRY HOUSES, FEEDLOTS STABLES, AND PADDOCKS

Flies, Mosquitoes and Gnats	Dilute 8oz in 8.25 gal water Dilute 1pt in 16.5 gal water Dilute 1qt in 33 gal water	FOG OR FINE MIST: Apply, directing the spray toward the ceiling and upper corners until the area is filled with mist. Use about 2oz per 100 cubic feet of space. For best results, close doors and windows before spraying and keep closed for ten to fifteen min. Vacate the treated area and ventilate before re-occupying. Repeat treatment as necessary.
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PESTS ON LARGE ANIMALS (Dairy or Beef Cattle, Horses, Sheep, and Goats)

Faceflies, Hornflies Horseflies, Ear Ticks	Dilute 8oz in 6.5 gal oil Dilute 1pt in 13 gal oil Dilute 1qt in 26 gal oil	BACK RUBBER: Recharge backrubber as needed. Spray lactating dairy cows only after milking is completed.
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Faceflies, Hornflies, Stableflies, Mosquitoes, Lice, Mites, Ticks, including Deer tick	Dilute 8oz in 66.5 gal water Dilute 1pt in 133 gal water Dilute 1qt in 266 gal water	Spray to thoroughly cover entire animal. For Lice or Mites, a second treatment is recommended 14-21 days later. Spray lactating dairy cows only after milking is completed.
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Hornflies, Faceflies Stableflies, Ear Ticks	Dilute 2oz in 1.3 gal water Dilute 1pt in 3.3 gal water	SPOT TREATMENT-LOW PRESSURE SPRAY-Apply 1/2oz per ear or 2-4oz on face or 12-16oz along the backline.
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PESTS ON SWINE AND POULTRY (Do not ship swine for slaughter within 5 days of last treatment)

Mange Mites	Dilute 8oz in 33 gal water Dilute 1pt in 66 gal water Dilute 1qt in 132 gal water	Spray, dip or sponge animals. Retreat after 14 days, spraying walls and floor space and bedding to kill late hatching, developing stages.
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