

APR 08 1991

Mr. Joseph Conti  
Roussel Bio Corporation  
170 Beaver Brook Road  
Lincoln Park, NJ 07035

Dear Mr. Conti:

Subject: Revised Labels  
SEP-1382/Bioallethrin/Piperonyl Butoxide - Insecticide  
Aqueous Pressurized Spray 0.35% + 0.10% + 0.40%  
EPA Registration No. 432-722  
Bioallethrin Technical  
EPA Registration No. 432-541  
Pramex/Bioallethrin Insecticide (7.5%-12.5%)  
EPA Registration No. 432-581  
Pramex/Bioallethrin Insecticide Aqueous Pressurized Spray  
0.2% - 0.2%  
EPA Registration No. 432-585  
SEP-1382/Embiothrin/Piperonyl Butoxide Insecticide Aerosol  
0.2% + 0.3% + 1.2% Formula II  
EPA Registration No. 432-686  
Bioram 0.15% + 0.25% Insecticide Aqueous Pressurized Spray  
EPA Registration No. 432-582  
Pramex/Bioallethrin Insecticide Concentrate 10% + 10%  
EPA Registration No. 432-584

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

As new labels are prepared:

1. For EPA Registration Nos. 432-584 and 432-581, revise the Statement of Practical Treatment for swallowing to qualify the professional staff referred to and eliminate the reference to solvents. There are no solvents in these pesticides.

62483; I:A-4; Mountfort; L10-6; KEVRIC; 04/04/91; PERM; CL; WO; EK; CL

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2. For EPA Registration No. 432-585, revise the ENVIRONMENTAL HAZARD statement to fit the end-use directions approved for this pesticide. Previously approved text would still be acceptable. You have used a statement appropriate for a manufacturing-use product.
3. For EPA Registration No. 432-722, delete the last sentence under ENVIRONMENTAL HAZARD. It is not appropriate for a pressurized container.

For EPA Registration No. 432-541, please submit copies of bulletin TB-541 for the record. For EPA Registration No. 432-686, it is understood that you do not consider the manufacturing formula on the back of the label to be confidential information.

Sincerely yours,

  
Richard P. Mountfort  
Product Manager (10)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enclosure

**BEST AVAILABLE COPY**

# BIORAM™ 0.2% + 0.2% INSECTICIDE AQUEOUS PRESSURIZED SPRAY

A Combination of Insecticides Offering Quick Knockdown and Residual Kill  
of Crawling Insects for up to 4 Weeks.

## ACTIVE INGREDIENTS:

*† Permethrin (3-phenoxyphenyl)methyl (±) cis, trans isomers	0.20% w/w
dichloroethenyl)-2,2-dimethylcyclopropane carboxylic acid	0.20%
d-Trans Allethrin	99.60%
<b>INERT INGREDIENTS:</b>	<b>100.00% w/w</b>

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

†U.S. Patent No. 4,824,163.

•Roussel Bio's Premier® brand of permethrin insecticide.

Roussel Bio Corp., 400 Sylvan Avenue, Englewood Cliffs, N.J. 07632.

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

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

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS AND  
STATEMENT OF PRACTICAL TREATMENT**

Can be used in non-food areas of food handling establishments such as garbage rooms, lavatories, floor drains (to sewers), entries, vestibules and hallways, basements, offices, locker rooms, machine rooms, boiler rooms, garages, utility rooms, mop closets and storage rooms (after canning or bottling).

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EPA Est.: See Lot No. For Correlation

EPA Reg. No. 432-585

A 42545-MO-1

P-1/18/91

F 10970-5X-1 P 855-GA-1

NET WEIGHT:

LOT NO.

**ROUSSEL BIO  
CORPORATION**

PO Box 1077, 400 Sylvan Avenue  
Englewood Cliffs, New Jersey 07632

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Avoid contact with eyes, skin or clothing. Harmful if swallowed. Avoid contact with food, feed, or other articles to be prepared or processed. Do not use in serving areas while food is being prepared or processed. Do not use in serving areas while all food handling surfaces are covered or remove all food thoroughly after treatment.

**STATEMENT OF PRACTICAL TREATMENT:**  
If in eyes or on skin, flush with plenty of water. Get medical attention.

**ENVIRONMENTAL HAZARD:**  
This pesticide is highly toxic to fish. Do not discharge effluents, streams, ponds, estuaries, oceans, or public waters identified and addressed in an NPDES permit. Do not discharge product to sewer systems without previously notifying the local authority. Contact your local State Water Board or Regional Office for more information.

**PHYSICAL AND CHEMICAL HAZARD:**  
Contents under pressure. Do not use or store near heat or open flame. Exposure to temperatures above 130°F (54°C) may cause container to rupture. Do not apply this product in conduits, motor housings, junction boxes, or electrical equipment because of possible shock hazard. Do not use if damaged 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:** Do not store near heat or open flame. Keep in lot water-based formulation at temperatures below 32°F (0°C).  
**CONTAINER DISPOSAL:** Replace cap and wrap container. Place in trash.

Shake well before each use. Remove protective cap. Aim nozzle. Push button to spray.

**DO NOT USE IN NON-FOOD AREAS INDOORS AND OUTDOORS:** MOTELS, HOMES, PRESCHOOLS, NURSERIES, CLOSETTS, LATHHOUSES, SEED HOUSES, FOOD HANDLING ESTABLISHMENTS, PROCESSING PLANTS, COMMERCIAL, INDUSTRIAL, STORAGE BUILDINGS, DAIRIES, MILK STORAGE ROOMS, SUPERMARKETS, RESTAURANTS, BOTTLING PLANTS, MILLS, BAKERIES, AND HOSPITALS. IN HOSPITALS, PREFER TO TREATMENT. ALSO FOR USE IN CAMP TRAILERS, AUTOMOBILES, TRUCKS, AND BOXCARS. ALSO FOR USE IN HORSE STABLES. IN HORSE STABLES, NOT FOR APPLICATION TO FEED.

DIRECTIONS FOR USE (Continued on next page)

**PESTS DOORS**

For residual and contact control of cockroaches (waterbugs), crickets, silverfish (firebrats), clover mites, millipedes, centipedes, earwigs, sowbugs (pillbugs), spiders, ants, clothes moths, carpet beetles, boxelder bugs, scorpions, spider beetles, 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.

**GRAIN INSECTS:** For residual use, 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- 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. 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:** 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.

**HOUSE FLIES, MOSQUITOES, CLUSTER FLIES, GNATS, FRUIT FLIES, FLYING MOTHS:** Close off all doors and windows. Point nozzle upward. Direct spray mist to all parts of the room, especially windows and other light sources which attract these insects. Fill the room with mist, then leave the treated area. Keep the room closed for at least 15 minutes. Ventilate the room when treatment is completed.

**CARPET BEETLES AND CLOTHES MOTHS:** To Treat Carpets- Hold container 14-18 inches (36-46 cm) 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.

**CONTACT APPLICATION ONLY: (Not For Residual Control Of Fleas, Ticks and Bedbugs)**

**FLEAS, BROWN DOG AND LONE STAR TICKS ON DOGS, CATS AND PREMISES:** Spray animals along back, under forelegs and on other areas, except scrotum and anus. Part hair to contact skin

and insure good coverage. Hold nozzle about one foot (30 cm) 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 (30 cm) at a distance of 12 to 18 inches (30-45 cm). Also spray the entire inside surface of dog houses.

**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. For persistent infestations, consult professional applicator.

**PESTS OUT-OF-DOORS**

**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 (0.5 to 1 m), where pests are active 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:** For outdoor use only as aid in reducing annoyance from these insects. Spray outside surfaces doors, window frames or wherever screens, 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, LONE STAR TICKS, CRICKETS, FLEAS, AND EARWIGS:** 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:** 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.

**FOR USE ON PLANTS**

**CONTACT AND RESIDUAL SPRAY-** Apply spray to plants covering all foliage. Avoid heavy wetting.

**INDOORS:** To protect plants in greenhouses and lathhouses, and for indoor landscaping- Spray directly on insects to kill leafrollers, armyworms, cutworms, cabbage worms on chrysanthemums; fungus gnats on velvet plants. Spray as directed above. Spray as directed above to control aphids, armyworms, corn earworms, fall cankerworms, inchworms, Japanese beetles, leafminers, leafrollers, and whiteflies on the following plants.

Ageratum	English Ivy	Piggy-back plant
Ardisia	Fuchsia	Polka-dot plant
Aster	Glaucoloma	Portulaca

Azalea  
Baby's breath  
Begonia  
Birds-nest fern  
Bleeding heart  
Carnation  
Coleus  
Crown of thorns  
Cockscomb  
Cyclamen  
Dracaena  
Dumbcane

Grape Ivy  
Hypoestes  
Ivy  
Juniper  
Lily  
Marigold  
Orchid  
Palms  
Pansy  
Piperomia  
Petunia  
Philodendron

Pothos  
Prayer Plant  
Purple Passion  
Rabbit's foot fern  
Rose  
Schottia  
Snapdragon  
Snake Plant  
Statice  
Velvet Plant  
Verbena  
Zinnia

If application is to be made indoors, remove infested plants from likely to be occupied by children or pets (particularly fish). When areas prior to application. Spray plants in an area not leaves dry, plants can be returned to original location. Use with CAUTION 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 black flies on non-bearing citrus; adult Japanese beetles on roses.

**OUTDOORS:** Spray as described above in the late afternoon or evening, when the 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 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, spider mites, exposed thrips and whiteflies on the following plants:

Ageratum	Gold bells	Pea shrub
Aster	Hypoestes	Petunia
Azalea	Ivy	Philodendron
Begonia	Juniper	Polka-dot plant
Coleus	Lilac	Rhododendron
Common ninebark	Marigold	Rose
Common snowberry	Mock Orange	Snapdragon
Exacum	Nannyberry	Taxus
Euonymus	Orchid	Wax plants
English Ivy	Palm	Weeping fig
Glaucoloma	Pansy	Zinnia

**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 saturate all sides. Repeat as necessary.

**WARRANTY STATEMENT**

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage resulting from its misuse as such, or in combination with other materials.