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Systems Integration Group, Inc.

**BIORAM® 0.2% + 0.2% INSECTICIDE  
AQUEOUS PRESSURIZED SPRAY**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS  
CAUTION**

- 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-3-(2,2-dichloroethenyl)-2,2-dimethyl-  
cyclopropanecarboxylate . . . . . 0.20%  
d-Trans Allethrin . . . . . 0.20%  
OTHER INGREDIENTS . . . . . 99.60%  
100.00%

- \*Cis/trans isomers ratio: min. 35%(±)cis and max. 65%(±)trans.
- †U.S. Patent No. 4,024,163
- Roussel Uclaf's Pramex® brand of permethrin insecticide.
- Bioram is a registered trademark of Roussel Uclaf Corporation.

**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. 432-585**

**EPA Est. No.**

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**FIRST AID**

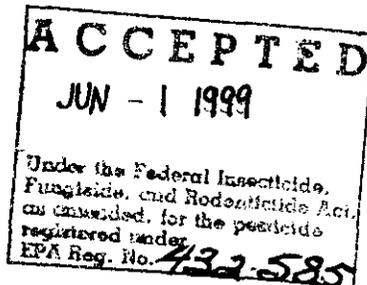
**IF IN EYES OR ON SKIN:** Flush with plenty of water. Get medical attention if irritation persists.

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).

**See Side Panel for Additional  
Precautionary Statements**

**NET WEIGHT:**

AgrEvo Environmental Health  
95 Chestnut Ridge Road  
Montvale, New Jersey 07645



Avoid contact with eyes, skin or clothing. Harmful if swallowed. 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, or wash thoroughly after treatment.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and other aquatic organisms. 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. Do not contaminate water by cleaning of equipment or disposal of wastes.

**PHYSICAL AND CHEMICAL HAZARDS**

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F (54.5°C) may cause bursting. Do not apply this 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 AND DISPOSAL**

**Storage:** Do not store near heat or open flame. Keep in locked storage area. Do not store this water-based formulation at temperatures below 32°F (0°C).

**Container Disposal:** Replace cap and wrap container in several layers of newspaper. Discard in trash.

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.

Shake well before each use. Remove protective cap. Aim spray opening away from person. Push button to spray.

**FOR USE IN NON-FOOD AREAS INDOORS AND OUTSIDE PREMISES OF HOTELS, MOTELS, HOMES, PRESCHOOLS, NURSERIES, DAY CAMPS, 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 HORSE STABLES. IN HORSE STABLES, NOT FOR APPLICATION IF HORSES WILL BE USED FOR FOOD.**

PESTS INDOORS

For residual and contact control of ~~C~~roaches (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 Bedbugs)

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 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, 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 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	Poinsettia
Aster	Gladiolus	Portulaca
Azalea	Grape Ivy	Pothos
Baby's breath	Hypoestes	Prayer Plant
Begonia	Ivy	Purple Passion
Birds-nest fern	Juniper	Rabbits foot fern
Bleeding heart	Lily	Rose
Carnation	Marigold	Schefflera
Coleus	Orchid	Snapdragon
Crown of thorns	Palms	Snake Plant
Cockscomb	Pansy	Statice
Cyclamen	Piperomia	Velvet Plant
Dracaena	Petunia	Verbena
Dumbcane	Philodendron	Zinnia

If application is to be made indoors, remove infested plants from living areas prior to applications. Spray plants 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 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. BIORAM® 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	Poinsettia
Coleus	Lilac	Rhododendron
Common ninebark	Marigold	Rose
Common snowberry	Mock Orange	Snapdragon
Exacum	Nannyberry	Taxus
Evonymous	Orchid	Wax plants
English Ivy	Palm	Weeping fig
Gladiolus	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 on all sides. Repeat as necessary.

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