



7401-452

9/28/2007

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Mr. Madhu Mandava  
Voluntary Purchasing Groups, Inc.  
P.O. Box 460  
Bonham, TX 75418

SEP 28 2007

Dear Mr. Mandava:

Subject: Amendment - add home vegetable gardens  
Hi-Yield Kill-A-Bug II Dust  
EPA Reg. No. 7401-452  
Your submission dated July 6, 2007

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable and a stamped copy of the label is enclosed for your records.

Sincerely,

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

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[Front Label Panel]

# Hi-Yield<sup>®</sup> Kill-A-Bug<sup>®</sup> II Dust Containing Deltamethrin

- For Indoor/Outdoor Residential Use Only
- [• For Household Use]
- [• Household Ornamental Garden Insect Control]
- [• Controls Fire Ants, Fleas, Ticks \*Termites and More]
- [• Non-Staining & Odorless]
- [• Long-Lasting Residual Action]
- [• Long-Lasting]
- [• Kills Insects for up to 8 Months]
- [• Does not Clump or Absorb Moisture]
- [• For Use on Ornamentals]
- [• Use on Roses, Flowers & Ornamentals]
- [• Controls Many Different Insect Pests]
- [• To Control Imported Fire Ants on Lawns and Other Residential Areas]
- [• 8 oz. Treats 15 Fire Ant Mounds]
- [• 1 lb. Treats 30 Fire Ant Mounds]
- [• 2 lbs. Treats 60 Fire Ant Mounds]
- [• Fast, Effective Kill of Fire Ants]
- [• Fast, Effective Kill of Stinging Ants]
- [• Easy To Use]
- [• Convenient]
- [• Kills Fire Ants on Contact]
- [ ]-Denotes Optional Statements

\*For localized area control only

<b>ACCEPTED</b>
SEP 28 2007
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 7401-452

**ACTIVE INGREDIENT:**

*Deltamethrin [(s)-alpha-cyano-3-phenoxybenzyl - (1R,3R)-3-(2-2-dibromovinyl)-2,2-dimethyl cyclopropanecarboxylate] .....	0.05%
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<b>INERT INGREDIENTS:</b> .....	99.95%
	100.00%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**See Back/Side Label Panel For First Aid and Additional Precautionary Statements**

Net Weight \_\_\_\_\_

[Back/Side Label Panel]

<b>FIRST AID</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
If swallowed	<ul style="list-style-type: none"> <li>· Call poison control center or doctor immediately for treatment advice.</li> <li>· Have person sip a glass of water if able to swallow.</li> <li>· Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>· Do not give anything by mouth to an unconscious person.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>· Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>· Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>· Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>· Take off contaminated clothing.</li> <li>· Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>· Call a poison control center or doctor for treatment advice.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>· Move person to fresh air.</li> <li>· If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>· Call a poison control center or doctor for treatment advice.</li> </ul>

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans And Domestic Animals**

**CAUTION:** May be harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

**ENVIRONMENTAL HAZARDS**

This product is extremely toxic to fish and aquatic invertebrates. Do apply directly to water. Use with care when applying in areas adjacent to any body of water. Do not contaminate water when disposing of equipment washwaters.

**DIRECTIONS FOR USE**

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

**IMPORTANT:** Read the entire Directions for Use, Precautions and Disclaimer of Warranties before using this product. Hi-Yield® Kill-A-Bug® II Dust Containing Deltamethrin is a ready-to-use insecticide dust which exhibits effective knockdown and long-lasting control against pests listed when used according to label directions. Hi-Yield® Kill-A-Bug® II Dust Containing

Deltamethrin can be used for long-lasting pest control in and around homes and their immediate surroundings. Permitted areas of use include:

- \*animal quarters
- \*apartments
- \*household greenhouses
- \*houses
- \*mobile homes and recreational vehicles
- \*ornamentals

This product is intended for applications with a hand duster, from the shaker can, or by other suitable means, to hiding and runway areas and other places where insects are found. Food utensils such as a teaspoon or measuring cup should not be used for food after use with pesticides.

### INDOOR USE

In living areas, make applications in such a manner to avoid deposits on exposed surfaces or introducing the material into the air.

To apply insecticide directly into cracks and crevices, use a bulbous duster, or other suitable equipment. Apply lightly and uniformly to infested areas. Pay particular attention to cracks and crevices; service ducts, false floors and ceilings; wall void; around electrical and telephone fittings and equipment; around water and sewer pipes; under and behind cabinets; refrigerators and sinks; around windows and door frames; along baseboards; in attics and crawl spaces. Apply at the rate of 1 oz. of product per 125 square feet (or ½ lb. per 1000 square feet). Repeat after 10 days only if needed to maintain control. Do not apply more than 2 times per year.

**Ants, boxelder bugs, cockroaches (including both resistant and non-resistant strains), crickets, fleas, firebrats and silverfish:** Apply Hi-Yield® Kill-A-Bug® II Dust Containing Deltamethrin thoroughly to all areas where these pests crawl and hide, especially in those areas described above. For Ants, apply to ant trails, around doors and windows and other places where ants enter premises.

**Termites, Carpenter Ants and Carpenter Bees:** For Localized Treatment of Wood Infesting Termites, Carpenter Ants, and Carpenter Bees; apply to voids to channels in damaged wooden members of a structure, to cracks, spaces or bearing joints between wooden members of a structure; or between such members and the foundation; and in locations vulnerable to termite attack. Drilling may be necessary prior to applying dust in these locations, but it must be recognized that such drilling and treating of timber in a particular location may not result in complete coverage of infested and vulnerable voids or galleries. When drilling, care should be taken to avoid drilling into electrical wire, plumbing, gas lines or other utilities. Re-seal holes following treatment. This dust can be applied in attics and crawl spaces to prevent entry of drywood and formosan termites at a rate of ½ lb. per 1000 square feet of floor area. In these treatments, all vents and blowers should be closed. Inspect at 6 months and one year to ensure that colony has been killed. Repeat after 10 days only if needed to maintain control. Do not apply more than 2 times per year.

The purpose of such applications of Hi-Yield® Kill-A-Bug® II Dust Containing Deltamethrin is to kill workers or winged forms which may be present in the treated channels at the time of treatment. Such applications are not a substitute for mechanical alteration, soil treatment or

foundation treatment but merely a supplement. For active termite infestation, get a professional inspection.

**Centipedes, ground beetles, millipedes, scorpions, spiders and sowbugs:** Apply dust along and behind baseboards, to window and door frames, corners, pipes, storage locations, attics, crawl spaces, and other areas where these pests may enter or crawl.

**Wasps and Bees:** It is generally advisable to treat wasp and bee nests in the evening when insects are less active and have returned to the nest. Wear protective clothing if deemed necessary to avoid stings. Using hand or power duster (actisol or similar equipment) or other suitable means, with extension tubes if necessary, thoroughly dust nets, entrance and surrounding areas where insects alight. Nests in wall voids can be located by listening with your ear against the wall. Drill a hole in the area, blow dust in and reseal. For ground wasps, dust entrance and surrounding areas. For best results check nests carefully one or two days after treatment to ensure complete kill then remove and destroy nest to prevent emergence of newly -hatched insects. If removal is not feasible, retreat nest if necessary. Do not use this product to treat overhead nests.

**Webbing Clothes Moths:** Use Hi-Yield® Kill-A-Bug® II Dust Containing Deltamethrin as a crack and crevice treatment in closets and other storage areas where these pests are found. This is an adjunct treatment and will not control moth larvae already on the clothes. DO NOT apply this product directly to clothing.

**Carpet Beetles (Black, Furniture, Common and Varied):** Dust where these insects are found, for example: on and under edges of floor coverings, around baseboards, under rugs and furniture, and in closets.

**Bedbugs:** Apply dust thoroughly to all areas where these pests are typically found including folds and tufts of mattresses, coils or springs, cracks and hollow posts of bedsteads, upholstery of chairs and sofas, picture frame moldings and all cracks and crevices in room should be treated. Allow powder to remain in contact with surface for 4-6 hours. Thoroughly vacuum treated areas, dispose of vacuum bag and place clean linens on bed.

**Stored Product Pests:** To aid in control of exposed stages of:

cadelles	merchant grain beetles
cheese mites	red flour beetles
cigarette beetles	rice weevils
confused flour beetles	rusty grain beetles
dark meal worms	saw-toothed grain beetles
drugstore beetles	spider beetles
grain mites	tobacco moths
granary weevils	yellow meal worms
lesser grain borers	

In the home all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed.

Clean up wastes materials, dust, dirt, and other debris. Thoroughly treat floors, walls and other surfaces in storage and handling areas. Apply dust in cracks and crevices, behind and under cupboards, and other difficult to reach areas where insects may hide. DO NOT apply directly on food, utensils or other areas where food is prepared, processed, served, or stored.

## ORNAMENTAL PLANT PESTS

### For the control of:

aphids	leafrollers
beet armyworms	orange tortrix
blister beetles	periodical cicada
boxelder bugs	plant bugs
certain leafminers	rose chafer
(Boxwood, Holly	rose midges
Oak, Spruce Needle	rose slugs
elm leaf beetle	tent caterpillars
flea beetles	thrips
Japanese beetles	weevils
Leafhoppers	

**Shrubs and Ornamentals:** Apply when insects or their damage first appear. Repeat after 10 days only if needed to maintain control. Do not apply more than 2 times per year. Apply 8 ounces per 10000 square feet; or thoroughly apply to place a thin layer of dust on both upper and lower sides of leaves, stems and flowers.

**Roses, Petunias, Chrysanthemums, Geraniums, Carnations and other related flowers:** To control many leaf and flower chewing insects, apply as soon as the insect appears. Repeat after 10 days only if needed to maintain control. Do not apply more than 2 times per year. Apply a thin layer of dust on both upper and lower sides of leaves, stems and flowers.

### OUTDOOR USE

**Perimeter Treatment:** Use Hi-Yield® Kill-A-Bug® II Dust Containing Deltamethrin as a residual treatment for control of ants, bees, centipedes, cockroaches, crickets, firebrats, fleas, ground beetles, millipedes, scorpions, silverfish, slugs, sowbugs, spiders, ticks and wasps. Make a residual treatment around windows and doors, porches, screens, eaves, patios, garages, under stairways, in crawl spaces where pests are active and may find entrance.

**Fleas and Ticks in Rodent Burrows:** To control fleas and ticks in and around rodent burrows around homes and other buildings, apply dust with a shaker can. Thoroughly apply dust to adequately cover mound and around the perimeter (18" from the outer edge). Be sure to treat abandoned rodent burrows which are suspected of containing fleas and ticks. Treat for a minimum of 5 days for light rodent populations, 10 days when populations are dense. Re-treatment should only be made as necessary to maintain insect control.

HOME VEGETABLE GARDENS: Use a dust applicator such as a shaker can, dust gun, puffer or other bulbous duster, rotary duster or other appropriate available duster. Dust lightly to cover both upper and lower leaf surfaces with a thin, even film of dust. Apply when air is calm to avoid drift and contact with eyes and skin. Start applying at the farthest corner of the treatment area and work backward to avoid contact with dusted surfaces. Allow dust to settle in treated areas before reentering.

VEGATABLE	TARGET PESTS	REMARKS	Application Rate: Oz. of dust/100ft <sup>2</sup>	Max Application/ growing season	[Active ingredient /Acre] (This column is alternate text)	[Packages/ 100 ft <sup>2</sup> ] (This column is alternate text)
<b>Artichoke, Globe</b>	Aphids, armyworm, cabbage looper, cribrate weevil, leaf-miners, lygus bug (plant bug), pale striped flea beetles, plume moth, probas bug	Do not apply more than recommended amount [0.14 lb ai/A (active ingredient /acre)]in one growing season. Allow 3 days between applications. Do not apply within 3 days of harvest.	2.13	5	0.028lb	X Packages /100 ft <sup>2</sup>
<b>Bulb vegetables- garlic, leeks, onions, shallots</b>	Cutworms, stink bugs thrips	Do not apply more than recommended amount [0.112 lb ai/A] in one growing season. Allow 5 days between applications Do not apply within one day of harvest.	2.13	4	0.028 lb	X Packages /100 ft <sup>2</sup>
<b>Corn, Sweet</b>	Aphids, armyworms, chinch bugs, click beetle, corn earworm, corn rootworm (adult), cutworms, European corn borer, flea beetles, grasshoppers, Japanese beetle (adult), June beetle (adult), Masked chafer (adult), Southern corn borer, South-western corn borer, stalk borer, stink bugs, webworms	Do not apply more than recommended amount [0.45 lb ai/A]. one growing season. Do not apply within 24 hours of harvest.	2.13	16	0.028 lb	X Packages /100 ft <sup>2</sup>
<b>Corn, Pop</b>	Aphids, armyworms, chinch bugs, click beetle, corn earworm, corn rootworm (adult), cutworms, European corn borer, flea beetles, grasshoppers, Japanese beetle (adult), June beetle (adult) Masked chafer (adult) Southern corn borer, South-western corn borer, stalk borer, stink bugs, webworms.	Do not apply more than recommended amount [0.095 lb ai/A] in one growing season. Allow 21 days between applications.	1.68	4	0.022lb	X Packages /100 ft <sup>2</sup>
<b>Curcubit Vegetables – Cantaloupes, Chayote, Chinese Wax gourd, Citron melon, Cucumber,</b>	Armyworm, cabbage looper Colorado potato beetle, corn earworm, cucumber beetles, cutworms, diamondback moth (larvae). Flea beetles, grasshoppers, green peach aphid, leafhoppers, leaf miners, melonworm, pickleworm,	Do not apply more than recommended amount [0.168 lb ai/A] in one growing season. Allow 3 days between applications Do not apply within 3 days of harvest.	2.13	6	0.028 lb	X Packages /100 ft <sup>2</sup>

<p>Gherkin, gourds, Momordica species (balsom apple, balsom pear, bitter melon, Chinese cucumber) muskmelon, pumpkin, squash, watermelon</p>	<p>stinkbugs, tarnished plant bug, tomato pinworm, vegetable weevil (adult) western plant bug, whitefly (adult)</p>				
<p><b>Fruiting Vegetables –</b> Eggplant groundcherry, pepinos, peppers, tomatillo, tomato</p>	<p>Aphids, armyworm, cabbage looper, Colorado potato beetle, cucumber, beetle, cutworms, diamondback moth, European corn borer flea beetles, imported cabbageworm, leafminers pepper weevil, stink bugs tarnished plant bug, thrips tomato fruitworm, (corn earworm), tomato pinworm, variegated cutworm, whitefly</p>	<p>Do not apply more than recommended amount [0.168 lb ai/A] in one growing season. Allow 5 days between applications. Do not apply within 1 day of harvest.</p>	<p>2.13</p>	<p>6</p>	<p>0.028 lb X Packages /100 ft<sup>2</sup></p>
<p><b>Root Vegetables-</b> Carrot, celeriac, Chervil (turnip Rooted), chicory</p>	<p>Armyworm, cabbage looper, Colorado potato beetle, cutworms, European corn borer, flea beetles, green peach aphid, leafhoppers, lygus bug, (plant bug), pea aphid, Tarnished plant bug</p>	<p>Do not apply more than recommended amount [0.14 ai/A] in one growing season. Allow 3 days between applications. Do not apply within 3 days of harvest. Other than radishes, applications may not be made to root vegetables whose tops or leaves are to be harvested for human consumption.</p>	<p>2.13</p>	<p>5</p>	<p>0.028 lb X Packages /100 ft<sup>2</sup></p>
<p><b>Tuberous &amp; Corm Vegetables –</b> Potato, sweet potato arracacha, arrowroot, Chinese artichoke, Jerusalem artichoke, edible canna, bitter and sweet cassava, chayote, (root), chufa, dasheen, ginger, leren tanier, tumeric, yam bean, true yam</p>	<p>Armyworm, cabbage looper, Colorado potato beetle, cutworms, European corn borer, flea beetles, green peach aphid, leafhoppers, lygus bug (plant bug), pea aphid, Tarnished plant bug</p>	<p>Do not apply more than recommended amount [0.14lb ai/A] in one growing season. Allow 3 days between applications. Do not apply within 3 days of harvest. Applications may not be made to tuberous or corm vegetables whose tops or leaves are to be harvested for human consumption.</p>	<p>2.13</p>	<p>5</p>	<p>0.028lb X Packages /100 ft<sup>2</sup></p>

**USE DIRECTIONS FOR FIRE ANT TREATMENT**

**Imported Fire Ant Mound Treatment:** Apply Hi-Yield® Kill-A-Bug® II Dust Containing Deltamethrin with a shaker can. Thoroughly apply dust to adequately cover mound and around the perimeter (18" from the outer edge of the mound). A second treatment may be necessary if complete control is not obtained. **DO NOT DISTURB THE MOUND PRIOR TO APPLICATION.** If possible, treat all colonies in the vicinity. Also, treat colonies which have not yet constructed a mound.



[Alternate directions - Evenly sprinkle one tablespoon (approximately ½ oz.) of Hi-Yield® Kill-A-Bug® II Dust Containing Deltamethrin over the top of each mound. Do not water in or disturb the mound. Apply when temperatures are between 65 and 80°F. Allow 3 to 4 days for maximum control, then repeat at 7 days if needed to maintain control.]

#### STORAGE AND DISPOSAL

**STORAGE:** Keep out of reach of children and pets. Store in original containers only. Store in cool, dry place and avoid excess heat.

**DISPOSAL: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

**NOTE:** Buyer assumes all risks of use, storage or handling of this product not in strict accordance with directions given herewith. Voluntary Purchasing Groups, Inc. warrants this product to conform to the chemical description on the label and for the purposes stated on the label. The limit of any liability incurred shall be the purchase price paid by the user or buyer.

VOLUNTARY PURCHASING GROUPS, INC.

P.O. BOX 460

BONHAM, TX 75418

EPA Reg. No. 7401-452

EPA Est. No. 7401-TX-1