



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

EPA Reg. Number  
28293-352

Date of Issuance  
MAR 6 2002

Term of Issuance Conditional

Name of Pesticide Product  
Unicorn Multi-Use .25%  
Permethrin Dust

NOTICE OF PESTICIDE:

Registration  
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Unicorn Laboratories  
12385 Automobile Blvd.  
Clearwater, FL 33762

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 you product under FIFRA section 4.
2. Make the following labeling changes:
  - a. Revise the EPA Registration Number to read "EPA Reg. No. 28293-352"
  - b. Correct the spelling of "golden pershaw", "honey balls" and "calabaza" in the listing of cucurbit vegetables on page 5. Also, correct the spelling of "chervil" in the listing of leafy vegetables on page 6.
3. Submit data corresponding to product chemistry guidelines 830.6317 (storage stability) and 830.6320 (corrosion characteristics). I understand that a 1-year storage stability study is in progress. The required 1-year corrosion characteristics study may be conducted in conjunction with the storage stability test in progress. Please submit the results of both tests upon their completion.

Signature of Approving Official:

Date:

March 6, 2002

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4. Please submit two (2) copies of your final printed label before you release the product for shipment. Please refer to the A-79 enclosure for a further description of final printed labeling. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact Susan Stanton of my team at (703) 305-5218.

Sincerely,

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

Enclosures

# UNICORN MULTI-USE .25% PERMETHRIN DUST

[ ] Indicates alternate or optional wording

For Use On: [Can be used on]

- Livestock

- Pets

- Home Ornamentals

- Home Gardens

- Kills [over] 60 [60+] [types of] Insects

[on Vegetables, Ornamentals, Fruits]

[Kills Bugs (Apple Aphid, Armyworm, Artichoke Plume Moth, Asparagus Beetle, Aster Leafhopper, Beet Armyworm, Cabbage Aphid, Cabbage Looper, Codling Moth, Colorado Potato Beetle, Corn Earworm, Corn Rootworm {Adult}, Cucumber Beetle {Adult}, Cutworm, Cutworm Complex, Diamondback Moth, European Corn Borer, Fall Armyworm, Filbertworm, Flea Beetle, Fruit Fly, Granulate Cutworm, Green Fruitworm, Hornworm, Imported Cabbageworm, Japanese Beetle, Leafhopper, Leafminer, Lepidopterous Larvae, Lesser Peachtree Borer, Lygus Bug, Melon Worm, Mirid Bug, Navel Orangeworm, Obliquebanded Leafroller, Omnivorous Leafroller, Onion Maggot {Adult}, Onion Thrips, Oriental Fruit Moth, Peach Twig Borer, Pear Pyslla, Pepper Weevil, Pickle Worm, Plant Bug {including Lygus and Stink Bug}, Plum Curculio, Potato Aphid, Potato Flea Beetle, Potato Leafhopper, Potato Pysllid, Potato Tuberworm, Redbanded Leafroller, Rindworm, Rose Chafer, Southern Armyworm, Spotted Tentiform Leafminer, Squash Bug, Squash Vine Borer, Stink Bug, Tarnished Plant Bug, Thrips, Tomato Fruitworm, Tomato Pinworm, Vegetable Leafminer, Walnut Husk Fly, White Apple Leafhopper)]

[Kills Beetles, Caterpillars & Bugs]

- Controls Fleas & Ticks on Dogs & Cats [Use on Dogs & Cats to Kill Fleas, Ticks and Lice]

- Effective Long Lasting Control

[For Home Gardens - Vegetables, Fruit Trees and Ornamental Plants]

[Use on Home Garden Fruits, Roses, Vegetables & Ornamental Plants]

[Product Facts: Kills Insects • Beetles (including Japanese & Cucumber Beetles), Caterpillars (including Armyworm, Beet Armyworm, Cabbage Looper, Corn Earworm, Cutworm, Diamondback Moth, Fall Armyworm, Hornworm, Imported Cabbageworm, Lepidopterous Larvae, Lesser Peachtree Borer, Oriental Fruit Moth, Peach Twig Borer, Southern Armyworm, Tomato Fruitworm, Tomato Pinworm), Leafhoppers & other Garden Insects [and other insects as listed] Plus Fleas & Ticks  
Where to Use • In your Garden on Vegetables, Fruits & Ornamentals (including Roses) On Dogs & Cats]

### ACTIVE INGREDIENT:

Permethrin\*.....0.25%

INERT INGREDIENTS:.....99.75%

Total:.....100.00%

\* Cis/trans ratio: Min. 35% (±) cis, Max. 65% (±) trans

KEEP OUT OF REACH OF CHILDREN

## CAUTION

See Side/Back Panel for Additional Precautions

NET CONTENTS:

### MANUFACTURED BY:

Unicorn Laboratories  
12385 Automobile Blvd.  
Clearwater, Florida 33762  
(727) 578-4545

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:**

MAR 6 2002

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
28293-352

- READ ENTIRE LABEL BEFORE EACH USE.
- FOR PET USE - USE ONLY ON CATS OR DOGS.

**PRECAUTIONARY STATEMENTS**  
**Hazards to Humans and Domestic Animals**

**CAUTION:** Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing dust. Avoid contact with eyes and skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid contamination of feed and foodstuffs.

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<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>
<b>If swallowed</b>	<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>
<b>If inhaled</b>	<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 further treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.</p>	

**Physical and Chemical Hazards**

Do not use or store near heat or open flame.

**Environmental Hazards**

This product is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

**DIRECTIONS FOR USE**

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

**BEEF AND DAIRY CATTLE AND HORSES:**

Can be used in dust bags, shaker can and mechanical dust applicator. **Horn Flies, Lice, Face Flies:** Place contents of this package in any commercially available dust bag, suspend bag in areas frequented by cattle or in gateways or lanes through which the animals must pass daily for water, feed, or minerals. Bags may also be placed in loafing sheds or in front of mineral feeders. For dairy cows, bags may be suspended in the exit through which the cows leave the milking barn. The bags should hang 4 to 6 inches below the back line of the cattle. For reduction of Face Flies, bags must be located so animals will be forced to use them daily and hung at a height so that the face is dusted. **Horn Flies, Lice Direct Application:** Apply 2 oz. of dust per animal by shaker can over the head, neck, shoulders and back and tailhead.

**HORSES:** Dust horse for Hornflies with shaker can or dust glove along back, neck and legs.

**SWINE:** Lice on Swine Direct Application: Apply only 1 ounce per head as a uniform coat to the head, shoulder and back by use of a shaker can or suitable mechanical dust applicator. Repeat as necessary but not more often than once every 10 days. In severe infestation, both animals and the bedding may be treated. Do not ship animals for slaughter within 5 days of treatment.

**POULTRY:** To control Northern Fowl Mites, apply at a rate of 1 lb per 100 birds. Ensure thorough treatment of vent area.

**PETS:** Consult a veterinarian before using this product on debilitated, aged, pregnant or nursing animals or animals on medication. Sensitivities may occur after using **ANY** pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. To control Fleas, Ticks and Lice on Cats and Dogs, dust animals thoroughly, working the dust into the hair down to the skin. Pay close attention to legs and feet. Use 1/2 oz. on animals 20 pounds and under and 1 oz. on pets over 20 pounds. Avoid getting dust in pet's eyes. Reapply every two (2) weeks as needed. Do not use on cats or dogs under twelve (12) weeks of age. Dust sleeping area including bedding and cracks and crevices.

**HOME GARDENS: For Use on Home Gardens. Not for Use on Plants being grown for Sale or other Commercial Use. [HOW TO APPLY]**

Wearing household latex or rubber gloves, use a dust applicator such as a shaker can, dust gun, puffer or other bulbous duster, rotary duster or other appropriate duster as available. [Wearing household latex or rubber gloves, open shaker side of cap and shake gently to apply. Wearing household latex or rubber gloves, pull red cap open and squeeze container to apply. (*directions to be used when packaged in an applicator container – the statement used depends upon type of container packaged.*)] Dust lightly to cover both upper and lower leaf surfaces with a thin, even film of dust. (Many insects hide on the underside of the leaf). **Apply when air is calm to avoid drift and contact with eyes and skin.** Controls a wide range of insect pests. **[WHEN TO APPLY]** Use at first signs of insect infestation, preferably before damage from feeding occurs. **Note the pre-harvest (time between use and harvest) interval with each crop listed.**

<b>Directions for Application</b>		
<b>Crop</b>	<b>Target Pest</b> [Insects Controlled]	<b>Remarks</b> [Applications Per Season (Max)] [Days To Wait To Harvest][as separate columns]

<b>Cole Crops</b>		
Broccoli	Cabbage Looper Imported Cabbageworm Diamondback Moth Cabbage Aphid	Dust lightly. Apply up to 8 times per season. May be applied until 1 day before harvest.
Brussel Sprouts	Cabbage Looper Imported Cabbageworm Diamondback Moth Cabbage Aphid	Dust lightly. Apply up to 8 times per season. May be applied until 1 day before harvest.
Cabbage	Cabbage Looper Imported Cabbageworm Diamondback Moth Cabbage Aphid	Dust lightly. Apply up to 5 times per season. May be applied until 1 day before harvest.
Cauliflower	Cabbage Looper Imported Cabbageworm Diamondback Moth Cabbage Aphid	Dust lightly. Apply up to 8 times per season. May be applied until 1 day before harvest.
Chinese Broccoli* (gai lon, white flowering)	Cabbage Looper Imported Cabbageworm Diamondback Moth Cabbage Aphid	Dust lightly. Apply up to 8 times per season. May be applied until 1 day before harvest.
* Not for use in California		
Chinese Cabbage (tight-heading varieties only)	Cabbage Looper Imported Cabbageworm Diamondback Moth Cabbage Aphid	Dust lightly. Apply up to 5 times per season. May be applied until 1 day before harvest.
Collards (For use in AR, AZ, GA, IL, NC, OK, SC & TX only)	Cabbage Looper Imported Cabbageworm Diamondback Moth Cabbage Aphid	Dust lightly. Apply up to 8 times per season. May be applied until 1 day before harvest.

**Directions for Application**

Crop	Target Pest <small>[Insects Controlled]</small>	Remarks <small>[Applications Per Season (Max)]</small>   <small>[Days To Wait To Harvest][as separate columns]</small>
<b>Cucurbit Vegetables</b>		
Cucurbit Vegetables*	Leafminer Squash Bug Cabbage Looper Cucumber Beetle (adult) Cutworm Melon Worm Pickle Worm Plant Bug (including Lygus and Stink Bug) Rindworm Squash Vine Borer	Dust lightly. Apply up to 8 times per season. May be applied until harvest.

\*Cucurbit Vegetables are: Chayote(fruit), Chinese Waxgourd, citron melon, cucumber(gherkin), gourds(edible includes hyotan, cucuzza, hechima, Chinese Okra), Momordica spp.(includes balsam apple, balsam pear, bitter melon, Chinese cucumber), muskmelons(includes true cantalope, cantalope, casaba, crenshaw, golden porshaw, honeydew melons, honey bells, mango melon, Persian melon, pineapple melon, Santa Claus melon, snake melon, pumpkin, squash (summer such as crookneck, scallop, straightneck, vegetable marrow, zucchini), squash(winter such as butternut, calabaze, hubbard, acorn, spaghetti), watermelon(includes hybrids).

**Fruiting Vegetables**

Eggplant	Colorado Potato Beetle Vegetable Leafminer Cabbage Looper Flea Beetle	Dust lightly. Apply up to 10 times per season. May be applied until 3 days before harvest.
Peppers (Bell)	Pepper Weevil Vegetable Leafminer Cabbage Looper Flea Beetle European Corn Borer	Dust lightly. Apply up to 8 times per season. May be applied until 3 days before harvest.

**Directions for Application**

Crop	Target Pest [Insects Controlled]	Remarks [Applications Per Season (Max)] [Days To Wait To Harvest][as separate columns]
<b>Eructing Vegetables (continued)</b>		
Tomatoes	Tomato Fruitworm Cabbage Looper Tomato Pinworm Vegetable Leafminer Beet Armyworm Southern Armyworm Colorado Potato Beetle Granulate Cutworm Hornworm	Dust lightly. Apply up to 6 times per season. May be applied until day of harvest.
<b>Leafy Vegetables</b>		
Leafy Vegetables* (Except brassica)	Vegetable Leafminer Cabbage Looper Cutworm Complex Fall Armyworm Beet Armyworm Corn Earworm Leafhopper European Corn Borer	Dust lightly. Apply up to 5 times per season. May be applied until 1 day before harvest.

\*Leafy vegetables are: Amaranth, arugula, cardoon, celery, chinese celery, celtuce, chervit, corn salad, chrysanthemum, edible-leaved chrysanthemum, garland, cress(garden, yellow rocket and winter), dandelion, dock(sorrel), endive, fennel, lettuce (head and leaf), orach, parsley, purslane(winter and garden), radicchio, rhubarb, spinach, spinach vine(Malabar spinach and Indian spinach), spinach(New Zealand), Swiss Chard.

**Root, Tuber, and Bulb Vegetables**

Onions (Dry bulb and Garlic)	Onion Thrips Armyworm Cutworm Leafminer Onion Maggot(Adult) Stink Bug	Dust Lightly. Apply up to 6 times per season. May be applied until 1 day before harvest.
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**Directions for Application**

<b>Crop</b>	<b>Target Pest</b>	<b>Remarks [Applications Per Season (Max)]</b>
	<b>[Insects Controlled]</b>	<b>[Days To Wait To Harvest][as separate columns]</b>
<b>Root, Tuber, and Bulb Vegetables (continued)</b>		
Potatoes	Colorado Potato Beetle Potato Leafhopper Aster Leafhopper Potato Flea Beetle Potato Aphid Potato Tuberworm Potato Psyllid Cabbage Looper	Dust lightly. Apply up to 8 times per season. May be applied until 14 days before harvest.
Turnips (FL, GA, IL, IN, OK, SC, TX, WA only) <b>(TX, OK, IL, IN only)</b> <b>(SC, GA, FL, WA only)</b>	Cabbage Looper Imported Cabbageworm Diamondback Moth Cabbage Aphid	Dust lightly. May be applied until 1 day before harvest.  <b>Apply up to 8 times per season</b> <b>Apply up to 4 times per season</b>
<b>Cereal Grains</b>		
Sweet Corn	Corn Earworm European Corn Borer Fall Armyworm Southern Armyworm Corn Rootworm(Adult) Cutworm	Dust lightly. Apply up to 6 times per season. May be applied until 1 day before harvest.
<b>(FL only)</b>	Aster Leafhopper Flea Beetle	<b>Apply up 8 times per season</b>
<b>Other Crops</b>		
Artichokes	Artichoke Plume Moth	Dust lightly. Apply up to 5 times per season. May be applied until day of harvest.
Asparagus	Cutworm Complex Asparagus Beetle	Dust lightly. Apply up to 4 times per season. May be applied until 1 day before harvest.

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**Directions for Application**

**Crop**

**Target Pest**

**Remarks** [Applications Per Season (Max)]

[Insects Controlled]

[Days To Wait To Harvest][as separate columns]

**Ornamentals**

Asparagus Fern

Japanese Beetle  
Asparagus Beetle  
Lygus Bug

Dust lightly. Apply to the fern stage of asparagus plant after speer harvest when adult stage of the asparagus beetle, lygus bugs and the adult stage of the Japanese beetle are present.

Roses

Beet Armyworm  
Cabbage Looper  
Omnivorous Leafroller

Dust lightly.

**Tree Crops**

Dust lightly, using a dust gun or rotary duster [an appropriate duster as available].

Almonds

Navel Orangeworm  
Peach Twig Borer

Dust lightly. Apply up to 5 times per season. May be applied until 1 day before harvest.

Apples

Apple Aphid  
Redbanded Leafroller  
Obliquebanded Leafroller  
Plum Curculio  
White Apple Leafhopper  
Spotted Tentiform Leafminer  
Tarnished Plant Bug

Dust lightly. Do not apply after petal fall.

Avocados

Thrips  
Leafhopper  
Mirid Bug  
Lepidopterous Larvae

Dust lightly. Apply up to 6 times per season. May be applied until 7 days before harvest.

**Directions for Application**

<b>Crop</b>	<b>Target Pest</b> [Insects Controlled]	<b>Remarks</b> [Applications Per Season (Max)]   [Days To Wait To Harvest][as separate columns]
<b>Tree Crops (continued)</b>		
Cherries	Lesser Peachtree Borer Rose Chafer Green Fruitworm Redbanded Leafroller Plum Curculio Tarnished Plant Bug	Dust lightly. Apply when insects appear. In the East: do not exceed 6 applications per season, with no more than 4 applications after petal fall. In the West: do not apply more than 4 applications per season, with no more than 3 applications after petal fall.
Filberts	Filbertworm Obliquebanded Leafroller	Dust lightly. Apply up to 4 times per season. May be applied until 14 days before harvest.
Papaya (For use in Florida only)	Fruit Fly	Dust lightly. Apply up to 6 times per season. May be applied until 7 days before harvest.
Peaches	Peach Twig Borer Oriental Fruit Moth Green Fruitworm Lesser Peachtree Borer Plum Curculio Tarnished Plant Bug Rose Chafer	Dust lightly. Apply up to 5 times per season. May be applied until 14 days before harvest.
Pears (Dormant)	Pear Psylla	Dust lightly. Apply up to 2 times per season. May be applied during the dormant through the delayed dormant growth periods only.
Pears (Pre-Bloom)	Pear Psylla Codling Moth Green Fruitworm	Dust lightly. Apply up to 2 times per season. May be applied from dormant through bud burst.

