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28293-126

8/20/98

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG 20 1998

Mr. Barry J. Santerre
Unicorn Laboratories
13535 Feather Sound Drive
Suite 400
Clearwater, FL 34622-5587

Dear Mr. Santerre:

Subject: Amendment- add home garden use
Unicorn Permethrin Dust
EPA Registration Number 28293-126
Your submission dated April 8 and you fax dated June 23, 1998

The product referred to above will be acceptable for registration under FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below:

a. Under Directions for Application Crop change "Chinese Broccoli" to "Chinese Broccoli (gai lon white flowering)". Also add a footnote that says "Not for use in California."

b. Under Directions for Application Crop add "Chinese Broccoli (tight-heading varieties only)". Also add the same rate and remarks as listed for "Chinese Broccoli (gai lon white flowering)".

c. Under Directions for Application Crop change "Collards" to "Collards (For Use in AR, AZ, GA, IL, NC, OK, SC, & TX only)".

d. Under Directions for Application Crop change "Leafy Vegetables" to "Leafy Vegetables (except brassica)".

CONCURRENCES

Table with 7 columns and 3 rows. Row 1: SYMBOL, SURNAME, DATE, and four empty cells. Row 2: e. Under Directions for Application delete horseradich this crop is not on the label you cited. Row 3: Empty cells.

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f. Under Directions for Application Turnips add "For use in FL, GA IL, IN, OK, SC, TX, WA only). Also add on a separate line "(For Use in TX, OK, IL, IN only)" and on this line under Remarks add "Do not exceed 8 applications." Also add on a separate line "(For Use in SC, GA, FL, WA only)" and on this line under Remarks add "Do not exceed 4 applications."

g. Under Directions for Application Crop change "Papaya" to "Papaya (For Use in Florida only)".

h. Limit use to sweet corn only. Field corn and pop corn are commercially grown crops.

i. Many of the crops have poundage limitations per season, however your label indicates use as needed under remarks. Calculate the maximum number of applications that can be applied per season using the poundage limitation on EPA Registration Number 10182-35 and under the remarks section delete "use as needed".

j. Change "For Homeowner Use Only" to "For Use On Home Gardens. Not for Use on Plants being Grown for Sale or Other Commercial Use."

k. Add "Harmful if swallowed, inhaled" to the Animal section under Precautionary Statements.

l. Revise the bullets on the front panel to read "Home Ornamental".

3. Submit two (2) 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 section 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.

Sincerely,

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

Enclosure

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# UNICORN PERMETHRIN DUST

For Use On:

- Livestock
- Pets
- Ornamentals
- Home Gardens

### ACTIVE INGREDIENT:

Permethrin (3-phenoxyphenyl) methyl (±) cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate \* . . . . . 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: 6 OUNCES**

**MANUFACTURED BY:**

Unicorn Laboratories  
12385 Automobile Blvd.  
Clearwater, Florida 33762  
(813) 578-4545

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

AUG 20 1998

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

28293-126

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

### **PRECAUTIONARY STATEMENTS**

#### **Hazards to Humans and Domestic Animals**

**CAUTION: Humans:** Harmful if swallowed, inhaled. Avoid breathing dust. Avoid contact with eyes and skin. Wash thoroughly with soap and water after handling. Avoid contamination of feed and foodstuffs. **Animals:** 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.

#### **Statement of Practical Treatment/ First Aid**

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

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

#### **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, 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.

### **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. Repeat as necessary.

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

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**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:** 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 Homeowner Use Only.**

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. 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. 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.

Directions for Application		
Crop	Target Pest	Remarks
<b>Cole Crops</b>		
Broccoli	Cabbage Looper Imported Cabbageworm Diamondback Moth Cabbage Aphid	Dust lightly Use as needed until 1 day before harvest
<b>Brussel Sprouts</b>	Cabbage Looper Imported Cabbageworm Diamondback Moth Cabbage Aphid	Dust lightly Use as needed until 1 day before harvest
<b>Cabbage</b>	Cabbage Looper Imported Cabbageworm Diamondback Moth Cabbage Aphid	Dust lightly Use as needed until 1 day before harvest

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**Directions for Application**

Crop	Target Pest	Remarks
<b>Cole Crops (continued)</b>		
Cauliflower	Cabbage Looper Imported Cabbageworm Diamondback Moth Cabbage Aphid	Dust lightly Use as needed until 1 day before harvest
Chinese Broccoli	Cabbage Looper Imported Cabbageworm Diamondback Moth Cabbage Aphid	Dust lightly Use as needed until 1 day before harvest
Chinese Cabbage	Cabbage Looper Imported Cabbageworm Diamondback Moth Cabbage Aphid	Dust lightly Use as needed until 1 day before harvest
Collards	Cabbage Looper Imported Cabbageworm Diamondback Moth Cabbage Aphid	Dust lightly Use as needed until 1 day before harvest
<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 Use as needed 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).

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**Directions for Application**

Crop	Target Pest	Remarks
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**Flowering Vegetables**

Eggplant	Colorado Potato Beetle	Dust lightly
	Vegetable Leafminer	Use as needed until 3 days before harvest
	Cabbage Looper	
	Flea Beetle	

Peppers (Bell)	Pepper Weevil	Dust lightly
	Vegetable Leafminer	Use as needed until 3 days before harvest
	Cabbage Looper	
	Flea Beetle	
	European Corn Borer	

Tomatoes	Tomato Fruitworm	Dust Lightly Use as needed until day of harvest
	Cabbage Looper	
	Tomato Pinworm	
	Vegetable Leafminer	
	Beet Armyworm	
	Southern Armyworm	
	Colorado Potato Beetle	
	Granulate Cutworm	
Hornworm		

**Leafy Vegetables**

Leafy Vegetables*	Vegetable Leafminer	Dust Lightly Use as needed until 1 day before harvest
	Cabbage Looper	
	Cutworm Complex	
	Fall Armyworm	
	Beet Armyworm	
	Corn Earworm	
	Leafhopper	
	European corn Borer	

\*Leafy vegetables are: Amaranth, arugula, cardoon, celery, chinese celery, celtuce, chervil, 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.

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**Directions for Application**

Crop	Target Pest	Remarks
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**Root, Tuber, and Bulb Vegetables**

Horseradish	Imported Crucifer Weevil	Dust Lightly
		Do not apply within 30 days of harvest
Onions (Dry bulb and Garlic)	Onion Thrips Armyworm Cutworm	Dust Lightly
	Leafminer	Use as needed until 1 day before harvest
	Onion Maggot(Adult)	
	Stink Bug	

Potatoes	Colorado Potato Beetle	
	Potato Leafhopper	
	Aster Leafhopper	Dust Lightly
	Potato Flea Beetle	Use as needed until 14 days before harvest
	Potato Aphid	
	Potato Tuberworm	
	Potato Psyllid	
	Cabbage Looper	

Turnips	Cabbage Looper	
	Imported Cabbageworm	Dust Lightly
	Diamondback Moth	Use as needed until 1 day before harvest
	Cabbage Aphid	

<b>Cereal Grains</b>		
Field Corn	Armyworm	
Popcorn	Cutworm	Dust Lightly
(preemergent use)		Apply in the time period from 5 days prior to planting up to emergence of the crop

Field Corn	Cutworm	
Popcorn	European Corn Borer	Dust Lightly
(foliar use)	Armyworm	Use as needed until 30 days before harvest
	Southwestern Corn Borer	
	Flea Beetle	
	Corn Earworm	
	Corn Rootworm Beetle	
	Tobacco Budworm	
	Stalk Borer	



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**Directions for Application**

Crop	Target Pest	Remarks
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**Cereal Grains (continued)**

Sweet Corn	Corn Earworm	Dust Lightly Use as needed until 1 day before harvest
	European Corn Borer	
	Fall Armyworm	
	Southern Armyworm	
	Corn Rootworm(Adult)	
	Cutworm	
Other Crops	Aster Leafhopper	Dust Lightly Use as needed until day of harvest
	Flea Beetle	

Artichokes	Artichoke Plume Moth	Dust Lightly Use as needed until day of harvest
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Asparagus	Cutworm Complex Asparagus Beetle	Dust Lightly Use as needed until 1 day before harvest
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Ornamentals Asparagus Fern	Japanese Beetle	Dust Lightly Use as needed
	Asparagus Beetle	
	Lygus Bug	

Roses	Beet Armyworm	Dust Lightly Use as needed
	Cabbage Lopper	
	Omnivorous Leafroller	

**Tree Crops**  
Dust lightly, using a dust gun or rotary duster.

Almonds	Navel Orangeworm	Dust Lightly Use as needed until 1 day before harvest
	Peach Twig Borer	

Apples	Apple Aphid	Dust Lightly Do not apply after petal fall
	Redbanded Leafroller	
	Obliquebanded Leafroller	
	Plum Curculio	
	White Apple Leafhopper	
	Spotted Tentiform Leafminer	
Tarnished Plant Bug		

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**Directions for Application**

Crop	Target Pest	Remarks
<b>Tree Crops (continued)</b>		
Avocados	Thrips Leafhopper Mirid Bug Lepidopterous Larvae	Dust Lightly Use as needed until 7 days before harvest
Cherries	Lesser Peachtree Borer Rose Chafer Green Fruitworm Redbanded Leafroller Plum Curculio Tarnished Plant Bug	Dust Lightly Use as needed until 3 days before harvest
Filberts	Filbertworm Obliquebanded Leafroller	Dust Lightly Use as needed until 14 days before harvest
Papaya	Fruit Fly	Dust Lightly Use as needed 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 Use as needed until 14 days before harvest
Pears (Dormant)	Pear Psylla	Dust Lightly Use as needed during the dormant through the dormant growth period.
Pears(Pre-Bloom)	Pear Psylla Codling Moth Green Fruitworm	Dust Lightly Use as needed through bud burst
Pistachios	Peach Twig Borer Navel Orangeworm	Dust Lightly Use as needed until 10% hull split
Walnuts	Navel Orangeworm Codling Moth Walnut Husk Fly	Dust Lightly Use as needed until 1 day before harvest

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**STORAGE AND DISPOSAL**

**STORAGE:**

Store in cool, dry place. Do not contaminate feed or foodstuffs by storage or disposal.

**PESTICIDE  
DISPOSAL:**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER  
DISPOSAL:**

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.