

28293-350

03/25/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460-0001



OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 25, 2013

Ms. Rebecca M. Horton, Consultant/Agent for  
Phaeton Corporation  
P. O. Box 290  
Madison, GA 30650

Subject: Amended Reregistration Label  
Product Name: UNICORN 2.5% Permethrin RTS  
EPA Registration Number: 28293-350  
EPA Decision Number(s): 413457

Dear Ms. Horton;

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the Permethrin RED, and has concluded that your submission is acceptable.

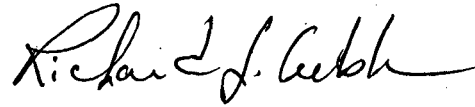
NOTE: This product is not being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time.

A copy of your label stamped "Accepted" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). The Basic Confidential Formulation Statement (CSF) dated November 24, 2010 is acceptable and supersedes previous Basic CSFs for this product.

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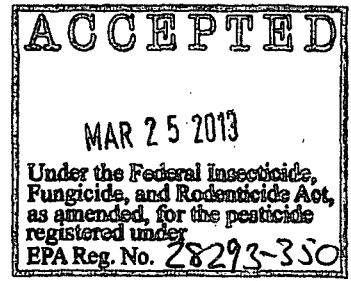
If you have any questions about this letter, please contact Tracy T. White at (703) 308-0042 or via e-mail at [White.Tracy@epa.gov](mailto:White.Tracy@epa.gov).

Sincerely,



Richard J. Gebken  
Product Manager (10)  
Insecticide Branch  
Registration Division (7504P)

*Enclosures: Label stamped "Accepted," dated March 25, 2013  
Acute Toxicity Review, dated October 2, 2012  
Product Chemistry Review, dated October 1, 2012*



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# Unicorn 2.5% Permethrin RTS

For Outdoor Use Around Residential (Home) Areas Only

(editors note: [ ] brackets indicate alternate/optional text)

[Kills [Controls] Mosquitoes, Fleas, Ticks and Ants

Water Based Also Kills Japanese Beetles, Mosquitoes and many other insects

Kills and Repels No Mix No Mess No Fuss

Kills Ticks that may carry Lyme Disease Easy to Apply

[Also] Stop(s) Bugs in Your [Also Use on] Lawns, Trees & Shrubs Roses & Flowers Fruits and Nuts Vegetables

Spray Around Yard Perimeter 32 oz. Treats Up to 5,000 Square Feet

Hose End Use – Always Shake Well Before Using Kills Over 100 Different insects

Will not stain Contact and residual spray

Kills troublesome outdoor insects which destroy Lawns, Roses, Flowers, Trees and Shrubs, Vegetables, Fruits and Nuts

Contains Permethrin, a long-lasting insecticide which provides contact and residual control for up to 4 weeks of many hard-to-kill sucking and chewing insects.

Protects your Lawns, Trees & Shrubs, Roses & Flowers, Fruits & Nuts, and Vegetables from: Alfalfa loopers, Ants, Aphids, Armyworms, Bagworms, Beetles, Borers, Brown dog ticks, Budworms, Cabbageworms, Chinch bugs, Cicadas, Citrus black flies, Cluster flies, Codling moths, Corn earworms, Crickets, Cutworms, Earwigs, Elm spanworms, Fall cankerworms, Fire ants, Fleas, Green fruitworms, Gnats, Grasshoppers, Houseflies, Inchworms, Japanese beetles, Leafhoppers, Leafminers, Leafrollers, Lone star ticks, Lygus bugs, Mealybugs, Millipedes, Earworms, Mole Crickets, Mosquitoes, Moths, Navel orangeworms, Scales, Sod webworms, Sowbugs (pillbugs), Spider mites, Spring cankerworms, Tent caterpillars, Thrips, Tobacco budworms, Weevils, Whiteflies and many others.

### [PRODUCT USAGE [FACTS]

**KILLS:** [Ants,] Aphids, Beetles, [Chinch Bugs, Crickets, Japanese Beetles,] [Cutworms,] [Earwigs,] [Fleas,] [Japanese Beetle Grubs,] Mealybugs, [Mites,] [Mole Crickets,] [Mosquitoes,] [Sod Webworms,] Spider Mites, [Tent Caterpillars,] [Ticks,] Whiteflies and many other(s) [garden [nuisance] pests] [more insects] as listed.

**USE ON [WHERE TO USE]:** Fruits [Fruit Trees], Vegetables, Roses, Flowers, Lawns, Trees, and Shrubs [and as a residual spray to outside surfaces of buildings, foundations, porches, patios, window frames, and other areas where pests congregate.] [Outdoors around the home]

**AMOUNT TO USE:** No mixing required. Connect to hose and spray.]

### ACTIVE INGREDIENT:

Permethrin\* .....2.5%  
(CAS No. 52645-53-1)

**OTHER INGREDIENTS:** .....97.5%  
100.0%

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

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

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

### NET CONTENTS:

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<b>FIRST AID</b>	
<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>
<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 [xxx-xxx-xxxx] [the National Pesticide Information Center at 1-800-858-7378] for emergency medical treatment information.</p>	

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

**CAUTION:** Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**Environmental Hazards**

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems. This pesticide 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.

**Physical or Chemical Hazards**

Do not apply this product around electrical equipment due to possible shock hazard.

**DIRECTIONS FOR USE**

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

**Restrictions**

Do not apply this product in a way that will contact adults, children or pets, either directly or through drift. Remove pets, birds and cover fish aquariums before spraying. Do not allow adults, children or pets to enter the treated area until sprays have dried. Do not water the treated area to the point of run-off. Do not make applications during rain.

All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- 1) Treatment to soil or vegetation around structures;
- 2) Applications to lawns, turf, and other vegetation;
- 3) Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors and eaves) are limited to spot and crack-and-crevice applications only. Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains,

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water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application. Not for use in outdoor residential misting systems.

This product kills troublesome outdoor insects which destroy lawns, roses, flowers, trees and shrubs: Ants, Bagworms, Aphids, Borers, Armyworms, Chinch Bugs, Inchworms, Spider mites, Green fruitworms, Beetles, Fleas, Cicadas, Thrips, Leafhoppers, Cutworms, Sod webworms, Leafrollers, Whiteflies, Moths, Weevils.

Also kills Alfalfa loopers, Brown dog ticks, Budworms, Cabbageworms, Citrus black flies, Cluster Flies, Codling moths, Corn earworms, Crickets, Earwigs, Elm spanworms, Fall cankerworms, Gnats, Grasshoppers, House flies, Japanese beetles, Leafminers, Lone star ticks, Lygus bugs, Mealybugs, Millipedes, Mole crickets, Mosquitoes, Navy orangeworms, Scales, Sowbugs (pillbugs), Spring cankerworms, Tent caterpillars, Ticks including Deer tick (which may carry Lyme disease) Tobacco budworms and many others.

**HOSE END SPRAYER: Easy to Use.**

1. Make sure Knob is twisted fully clockwise to OFF position. Shake well before attaching to hose.
2. Turn Product Control Button clockwise until the flat portion is flush with the lock tab, then push button all the way in. Avoid squeezing bottle.
3. Turn water on at faucet, aim nozzle toward lawn and turn Knob counterclockwise to begin spraying.
4. When finished push Product Control Button to OFF position from opposite side. Return Knob and faucet to OFF position. Discharge water pressure by turning Knob ON and OFF again. Turn Product Control Button counterclockwise away from lock tab to prevent accidental discharge. Store out of reach of children.

(Alternate Hose End Sprayer Directions – Used in accordance with type of Hose End packaged)

**HOSE END SPRAYER: Easy to Use.**

1. Make sure knob Control lever is in the OFF position. Shake well and attach to hose.
2. Turn water on at faucet, aim nozzle toward lawn and turn knob Control lever to ON to begin spraying.
3. When finished turn Control lever to OFF position. Turn faucet to OFF Position. Discharge residual water pressure by turning ON and OFF again. Store out of reach of children.

(Alternate Hose End Sprayer Directions – Used in accordance with type of Hose End packaged)

**HOSE END SPRAYER: Easy to Use.**

**INSTRUCTIONS**

1. Make sure [white] Water [Control] Valve [on top of bottle] is in the OFF or back position and the red Product Mixing Valve is [pointed] in the CLOSED or upright position.
2. Shake the product well and firmly attach to garden hose.
3. Turn water on at faucet and aim nozzle toward lawn. To begin water flow, turn [white] Water Valve ON by pushing forward. To begin spraying mixture, rotate [red] Product Mixing Valve OPEN by turning it ¼ of a turn counter clockwise.

4. Walk at a steady pace spraying in a side to side arc slightly overlapping treated areas. [Refer to graduated side of container to guide coverage.]
5. To stop spraying, turn the [red] Product Mixing Valve to the CLOSED or upright position and return the [white] Water Valve to the OFF or back position.
6. For product storage, both valves should be in the CLOSED/OFF position.

Do not spray animals. People and pets should not be allowed in treated areas until spray has dried.

#### HOME LAWNS

TREATMENT AREAS [Plants]	PESTS [Controlled]	REMARKS [How to Use] [General Directions]
Bent, Bermuda, Bluegrass, Dichondra, Fescue, Irish Moss, Merion, St. Augustine	Ants, Armyworms, Brown dog ticks, Chiggers, Chinch bugs, Crickets, Cutworms, Fleas, Grasshoppers, Japanese beetle grubs, Leafhoppers, Mole crickets, Mosquitoes, Sod webworms, Ticks, including Deer Tick (which may carry Lyme disease)	Thoroughly wet down grass a few hours before applying. Home lawns should be no taller than 3 inches at time of application. One quart of this concentrate as applied through the Hose-End Sprayer treats 5,000 sq. ft. For heavy infestations, repeat application after 2 weeks.

#### TREES & SHRUBS

TREATMENT AREAS [Plants]	PESTS [Controlled]	REMARKS [How to Use] [General Directions]
Arizona cypress, Azalea, Birch, Cherry, non-bearing citrus, Conifers, Elm, English ivy, Euonymus, Weeping fig, Fir, Honeysuckle, Lilac, Mock-orange, Oak, Palm, Philodendron, Pine, Poinsettia, Tulip, Poplar, Rhododendron, Taxus	Aphids, Bagworms, Cicadas, Exposed thrips, Fall cankerworms, Gypsy moth, Inchworms, Japanese beetles, Leafminers, Leafrollers, Mealybugs, Spider mites, Tent caterpillars*, Whiteflies	Apply as a thorough spray, wetting leaves and branches completely, but avoid runoff. Try to penetrate dense foliage. Spray in the late afternoon or evening, when temperature ranges from 50° to 75° F and when there is little or no wind. Spray at the first sign of insects. Repeat applications may be made at intervals of 4-8 days. Applications can be made up to the day of collection.  *On tent caterpillars, application should be made when caterpillars are young and tents are first noticed. For best results, apply in the late afternoon or evening, when
Cherry, Honeysuckle	Fall Webworms	
Conifers	Budworms	
Elm	Elm leaf beetles, Elm spanworms, Fall webworms	
Douglas and Grand firs	Tussock moths	
Non-bearing citrus	Citrus black flies	
Oak	Oakworms	
Pine	Pine beetles, Pine moths, Pine needleminers, Needles scales	

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		caterpillars have returned to their tents. Wet tents with spray on all sides. A few caterpillars may be seen escaping from the tent; however, they should die within several hours.
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**ROSES & FLOWERS**

<b>TREATMENT AREAS [PLANTS]</b>	<b>PESTS [Controlled]</b>	<b>REMARKS [How to Use] [General Directions]</b>
Ageratum, Aster, Ardisia, Azalea, Baby's breath, Begonia, Birds-nest fern, Bleeding heart, Carnation, Chrysanthemum, Coleus, Common ninebark and snowberry, Crown of thorns, Cockscomb, Cyclamen, Dracaena, Dumbcane, English ivy, Exacum, Fuchsia, Gladiolus, Gold bells, Hypoestes, Ivy, Juniper, Lilac, Marigold, Mock-orange, Nannyberry, Orchid, Palm, Pansy, Pea shrub, Peperomia, Petunia, Philodendron, Piggy-back plant, Poinsettia, Portulaca, Pothos, prayer plant, Purple passion, Rabbits foot fern, Rhododendron, Rose, Schaffiera, Snapdragon, Snake plant, Statice, Velvet plant, Verbena, Zinnia	Aphids, Armyworms, Bagworms, Cabbage worms, Cicadas, Cornworms, Cutworms, Exposed thrips, Fall cankerworms, Fall webworms, Fungus gnats, Inchworms, Japanese beetles, Leafminers, Leafrollers, Mealybugs, Psyllids, Rose chafer, Scale crawlers, Scale insects, Spider mites, Spring cankerworms, Whiteflies	Apply as a thorough spray, wetting the plants completely, but avoid runoff. Try to hit underside of leaves and penetrate dense foliage. Spray in the later afternoon or evening, when the temperature ranges from 50° to 75° F and when there is little or no wind. Spray at the first sign of insects. Repeat applications may be made at intervals of 4-8 days. Application can be made up to the day of collection.

**FRUIT & NUT TREES**

General Directions: Apply when insects appear. Wet the plants completely, but avoid runoff. Try to hit underside of leaves and penetrate dense foliage.

<b>TREATMENT AREAS [Plants]</b>	<b>PESTS [Controlled]</b>	<b>REMARKS [How to Use]</b>
Almonds, Pecans	Navel orangeworms, Peach twig borers	Do not make more than 2 applications during hull split and 5 applications per season. Can

		be applied up to 7 days prior to harvest.
Apples	Aphids, Green fruitworms, Japanese beetles, Leafrollers (Oblique-banded; Redbanded), Plum curculio, Rosy apple aphids, Spotted tentiform leafminers, Tarnished plant bugs, White apple leafhoppers	Repeat as required to maintain control. Do not make more than 3 applications. Do not apply after petal fall.
Peaches	Borers (Lesser peachtree, Peach twig), Green fruitworms, Plum curculio, Oriental fruit moths, Tarnished plant bugs	Do not apply within 7 days of harvest. Do not make more than 8 applications per season.
Pears (dormant through delayed dormant)	Pear psylla	Apply during the dormant through delayed dormant growth period only. Do not make more than 2 applications per season.
Pears (summer)	Aphids, Codling moths, Green Fruitworms, pear psylla	Do not make more than 3 applications per season. Can be applied up to 14 days prior to harvest.

#### VEGETABLES

TREATMENT AREAS [Plants]	PESTS [Controlled]	REMARKS [How to Use] [General Directions]
Asparagus (pre-harvest)	Asparagus beetles, Cutworms	Spray plants as needed to ensure uniform coverage. Do not make more than 4 applications per crop. Can be applied up to 3 days prior to harvest.
Asparagus (post-harvest)	Larval stages of Asparagus beetle, Tarnished plant bugs, Lygus bugs and Adult Japanese beetles	Treat ferns or bush growth after spear harvest when insects are present.
Beans	Mexican bean beetle, Leafhoppers, Flea beetles, Corn earworm, Lygus and Stinkbugs	Apply as needed, but not more than 8 applications per season. Can be applied up to 3 days prior to harvest.
Celery – see Leafy Vegetables		
Broccoli, Brussels sprouts, Cabbage, Cauliflower	Beet armyworms, Cabbage aphids and Loopers, Diamondback moths, Imported cabbageworms	Apply every 5 days or as needed. Can be applied up to 1 day prior to harvest. Do not make more than 8 applications on Cauliflower, Brussels Sprouts, and Broccoli and 10



		applications on Cabbage.
Corn – see Sweet Corn		
Cucurbits: Balsam pear (bitter melon), Chinese waxgourd (Chinese preserving melon), Citron-melon, Cucumber, Gherkin, Edible gourds, Melons including hybrids such as Cantaloupe, Casaba, Crenshaw, Honeydew, Honey balls, Mango melon, Muskmelon, Persian melon, Pumpkin, Summer & Winter Squash, Watermelon	Aphids, Cabbage loopers, Cucumber beetles (adults), Cutworms, Leafhoppers, leafminers, melonworms, Pickleworms, Plant Bugs and Squash bugs	Spray plants as needed to ensure uniform coverage. Can be applied up to the day of harvest.
Eggplant	Colorado Potato beetles, Vegetable leafminers	Spray plants as needed to ensure uniform coverage. Do not make more than 16 applications. Can be applied up to 3 days prior to harvest.
Horseradish (Foliar application)	Imported crucifer weevils	Spray as needed. Do not make more than 3 foliar applications. Can be applied up to 22 days prior to harvest.
Leafy vegetables: Amaranth, Arrugula, Celery, Celtuce, Chervil, Corn salad, Chrysanthemum (edible-leaved and garland), Cress (garden & upland) Dandelion, Dock, Endive, Fennel, Lettuce (head & leaf). Okra, Orach, Parsley, Purslane (garden & winter), Rhubarb, Spinach, Swiss chard	Alfalfa loopers, Aphids, Beet armyworms, Cabbage loopers, Corn earworms, Cutworms, European corn borers, Fall armyworms, Green clover worms, Southern armyworms, Tobacco budworms, Vegetable leaf miners	Spray every 5-10 days as needed. Do not make more than 7 applications per crop. Can be applied up to 1 day prior to harvest.
Melons – see Cucurbits		
Potatoes	Beet armyworms, Colorado potato beetles, Potato leafhoppers, Potato aphids, Potato tuberworms, Cabbage loopers, Cutworms, European corn borers, Potato psyllids, Tarnished plant bugs	Spray plants as needed. Do not make more than 12 applications. Can be applied up to 7 days prior to harvest.

Peppers	Vegetable leafminers, Cabbage loopers, Flea beetles, Corn earworms, Pepper weevils, European corn borers	Spray plants as needed. Do not make more than 8 applications per crop. Can be applied up to 3 days prior to harvest.
Strawberries, Raspberries, Blueberries	Strawberry weevils, Aphids, Spider mites, Lygus bugs, Flea beetles, Omnivorous leafhopper, Spittlebugs, Japanese beetles, Field crickets, Red Spider, Leafroller, Weevils	Allow 14 days between last application and harvest. Make no more than 8 foliar applications per growing season.
Sweet corn	Corn earworms, European corn borers, Fall armyworms, Southern armyworms	Spray plants every 5 days and when needed. Do not make more than 6 applications per season. Can be applied up to 1 day prior to harvest.
Tomatoes	Beet and Southern armyworms, Tomato pinworms, Tomato fruitworms, Hornworms, Granulate cutworms, Colorado potato beetles, Cabbage loopers	Spray plants when needed for uniform coverage. Can be applied up to date of harvest.

**NUISANCE PESTS IN OUTDOOR AREAS**

<b>TREATMENT AREAS</b>	<b>PESTS (Controlled)</b>	<b>REMARKS [How to Use] [General Directions]</b>
Outside surfaces of buildings	Ants (including foraging fire ants), Chiggers, Clover mites, Crickets, Earwigs, Millipedes, Sowbugs (pillbugs), Mosquitoes	To help prevent infestation of buildings, treat the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Also, apply as a residual spray to outside surfaces of building, including porches, screens, window frames, eaves, patios, garages, refuse dumps and other areas where these pests congregate or have been seen. For mosquitoes, application is for use only as an aid in reducing annoyance
Other outdoor areas	Ants (including foraging fire ants), Chiggers, Crickets, Earwigs, Fleas, Lone star ticks,	For treatment of localized infestations of these insects in areas where there are weeds or

	Ticks, including Deer tick (which may carry Lyme disease)	bushy non-crop areas, spray infested areas thoroughly. For Ants, thoroughly wet hills and runways.
	Cluster flies, Flying moths, Gnats, House Flies, Mosquitoes	For use only as an aid in reducing annoyance from these insects. Apply as a spot or crack and crevice spray to outside surfaces of screen, 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.
	Tent caterpillars	Application should be made when caterpillars are young and tents are first noticed. For best results, apply in the late afternoon or evening, when caterpillars have returned to their tents. Wet tents with spray on all sides. A few caterpillars may be seen escaping from the tent, however, they should die within several hours.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.  
**PESTICIDE STORAGE:** Store in a cool, dry area away from heat or open flame.  
**PESTICIDE DISPOSAL:** If partly filled – Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.  
**CONTAINER HANDLING:** If empty – Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

NOTICE: To the extent consistent with applicable law, buyer assumes all responsibility for safety and use not in accordance with directions.

PHAETON CORP.  
P.O. Box 290  
Madison, GA 30650

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[Lot number inserted at production]