

28293-347

03/29/2013

1/11

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



OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 29, 2013

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

Subject: Amended Reregistration Label
Product Name: Unicorn 36.8% Permethrin Concentrate
EPA Registration Number: 28293-347
EPA Decision Number(s): 413456

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(s), 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.

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded.

- Basic CSF, dated March 21, 2012

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).

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.

Sincerely,



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

*Enclosures: Label stamped "Accepted," dated March 29, 2013
Acute Toxicity Review, dated October 18, 2012
Product Chemistry Review, dated September 24, 2012*

3/11

UNICORN 36.8% PERMETHRIN CONCENTRATE

For outdoor homeowner post-construction use only.

Optional Marketing Statements:

- Protects home lawns and outdoor ornamentals
- Controls [Kills] ants, aphids, chinch bugs, cutworms, fire ants, fleas, beetles, sod webworms and many other listed insects
- Controls [Kills] listed wood destroying pests including termites (for localized control only)
- Creates an exterior soil barrier against termites (for subterranean termites)
- Kills mosquitoes, flies, ants, fleas, ticks and other listed pests

ACTIVE INGREDIENT:

Permethrin*	36.80%
OTHER INGREDIENTS**	63.20%
Total:	100.00%

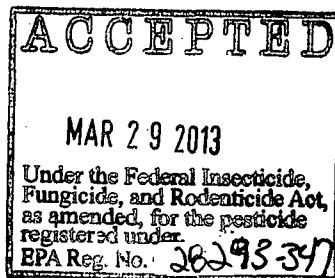
*Cis-trans ratio: max. 55% (±) cis and min. 45% (±) trans

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side/back/other panel(s) for additional Precautionary Statements & First Aid.

NET CONTENTS:



4/11

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Harmful if swallowed or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Do not breathe vapor or spray mist. 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 use.

People and pets may enter treated area after application has dried.

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.

FIRST AID	
If swallowed:	Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Have the person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.
If inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
If on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If in eyes:	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 eye. Call a poison control center or doctor for treatment advice.
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.	
NOTE TO PHYSICIAN: Treatment is controlled removal of exposure followed by symptomatic and supportive care.	

DIRECTIONS FOR USE

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

Not for use on plants being grown for commercial sale, or plants grown for seed production or sod farms and golf course turf, or in greenhouses or nurseries.

Failure to follow the directions for use and precautions on this label may result in poor pest control, plant injury or illegal residues.

User Safety Recommendations:

User should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. User should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Product Information: This product is non-staining to most home siding depending on age and cleanliness. However, before using in areas where the spray may contact home siding (vinyl siding, in particular), test in an inconspicuous area and recheck in a few hours. Do not use if any staining is observed.

This product may be used to control listed insect pests outdoors, on ornamentals, lawns, trees, shrubs, and vines in landscape areas, and as a perimeter treatment around residential buildings. It may also be used to control home-invading insects as a residual spray on outside surfaces, such as walks, garbage areas, window frames, doorways, porches and patios.

Application Instructions: This product mixes readily with water and is specifically packaged for residential use as a diluted spray. Use a clean sprayer, such as a tank type or hose-end sprayer to mix and apply the proper amount of concentrate with the desired volume of water. For perimeter and lawn applications measure the area to be treated to determine the application volume. For trees, shrubs and flowers apply as a thorough cover spray until foliage is wet. Refer to Specific Application instructions in the following Tables for additional instructions. 1 fl.oz. = 2 Tablespoons (Tbsp) = 6 teaspoons (tsp)

Restrictions: Do not apply this product in a way that will contact adults, children, or pets either directly or through drift. Do not allow adults, children or pets to enter the treated area until sprays have dried. Remove pets, birds and cover fish aquariums before spraying. Do not use utensils such as spoons and measuring cups for food purposes after use with pesticides. Not for use in outdoor residential misting systems.

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 lawn, 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, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and crevice applications, only.

Do not water the treated area to the point of runoff. Do not make applications during rain.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

Do not use on vegetables or food crops. Do not treat pets with this product. Do not spray inside dwellings. Do not treat soil that is water saturated or frozen, or in any condition where run-off or movement from the treatment area is likely to occur. Do not apply when wind velocity favors drift.

HOME-INVADING PESTS - OUTDOOR USE ONLY

Rate: 1.6 fl.oz. (3¼ Tbsp) in 1 gallon of water to make a 0.5% spray emulsion

How to Apply:

Spot Treatment – Apply a 0.5% emulsion as a pin stream low-pressure spray or as a paint-on application with a paintbrush. Treat where pests are found or entry points of the structure such as window frames, doorways, porches, patios and foundation. Spot-treatment may also be made to garages, garbage cans and garbage areas. DO NOT apply indoors (including crawl spaces.)

Perimeter Application – Spray a 6 to 8 foot wide band of soil around the perimeter of the house. Treat the foundation wall up to a height of 3 feet. Use a spray volume of 2 to 10 gallons of 0.5% emulsion per 1000 square feet. If mulch or debris is present, a higher volume application rate may be needed to ensure adequate coverage. Residual control will vary depending on exposure of the treated area to weathering conditions (temperature, sunlight, moisture). Retreat on a monthly schedule while insects are likely to be active.

Wood Destroying Pests: Localized Areas Outdoors – For the control of insects such as termites, bees, carpenter ants and wood infesting beetles in localized above-ground areas of infested wood around structures, apply a 0.5% emulsion to voids and galleries in damaged wood and in spaces between wooden members of a structure and between wood and foundations where wood is vulnerable. Apply either as a spray or paint-on

application. For termites the purpose of application is to destroy workers or winged reproductive forms, which may be present at the time of treatment. This product is not designed for preventative use and should only be applied when pests appear. This application is not a substitute for soil or foundation treatment. For active infestations inside a structure, consult a licensed Pest Control Service. Use a hose-end sprayer or sprinkling can to deliver a coarse drenching spray to treat stored lumber or woodpiles. Stored wood can be used for lumber one month after treatment. Do not apply inside structures. Repeat treatment as necessary but not more frequently than once a month. For active termite infestation consult a professional Pest Control Applicator.

Outdoor Home-Invading Pests	Specific Application Instructions
<p>Ants (incl. Mounds), Armyworm, Bark Beetles, Bees, Beetles, Borers, Boxelder Bugs, Carpenter Ants, Carpenter Bees, Centipedes, Chinchbugs, Cockroaches, Cockroaches (Asian), Crickets, Earwigs, Elm Leaf Beetles, Fire Ants (incl. mounds), Fleas, Flies, Firebrats, Ground Beetles, Gypsy Moths (adults & caterpillars), Millipedes, Mole Crickets, Pill Bugs, Scorpions, Silverfish, Sod Webworm, Sowbugs, Spiders, Ticks (including Deer Tick, Western Black-legged Tick known to transport Lyme disease and Rocky Mountain Spotted Fever), Wasps.</p>	<p>Boxelder Bugs, Elm Leaf Beetles and Gypsy Moth Caterpillars: Spray tree trunks, building siding or wherever these pests congregate. Avoid excess application. Dampen surface thoroughly, but do not let runoff occur.</p> <p>Borers and Bark Beetles: To prevent infestation of ornamental trees and woody shrubs, spray the bark to the point of saturation, but do not let runoff occur. Repeat treatment every 21 days during early spring until mid-summer.</p> <p>Carpenter Bees: Apply as a pin stream, as a fine/coarse low pressure spray (20 psi or less) as a spot treatment.</p> <p>Fire Ants (mound drench): Apply 1 to 2 gallons of emulsion to each mound area by sprinkling the mound until it is wet and treat a 4-foot diameter circle around the mound. Use higher volume for mounds larger than 12 inches. For best results, apply in cool weather, such as in early morning or late evening hours, but not in the heat of the day.</p> <p>Scorpions: Remove accumulations of lumber, firewood, and other materials which serve as harborage sites and treat beneath and adjacent to infested sites.</p>

LAWN PESTS

This product can be applied to lawns adjacent to or around private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carports, garages, fence lines, storage sheds, barns, and other residential areas where pests congregate.

Rate:

Broadcast Application – 0.4 to 0.8 fl. oz. (2½ to 5 tsp) in 4 to 25 gallons of water to cover 1000 square feet

Mound Drench – 1.6 fl.oz. (¾ Tbsp) in 1 gallon of water to make a 0.5% emulsion

How to Apply:

Mound Drench Treatment (Ant and Fire Ant Mounds in Lawns) –

Use a sprinkling can. For large ant mounds, such as Fire Ant mounds, apply 1-2 gallons of a 0.5% emulsion to each mound area including a 4 foot diameter circle around the mound. Apply to smaller mounds until the mound is completely saturated. Use higher water volume for mounds larger than 12”.

Lawn Broadcast Application – Apply using a hose-end or pressure type sprayer to deliver a coarse spray of between 4 to 25 gallons of emulsion per 1,000 sq. ft. of lawn. Use the higher recommended label rate for heavy pest infestations. Use sufficient volume to uniformly cover plant surface. Higher volume of water should be used when situations of thick thatch of dense sod exist, or in arid or drought conditions.

When to Apply:

Apply in early morning or late evening hours, but not in the heat of the day. Spray evenly over the lawn when insects first appear. Repeat applications as necessary but not more frequently than every 10-14 days. Do not apply more than 1.6 fl.oz./1,000 sq. ft. per year.

LAWNS including but not limited to St. Augustinegrass, Bentgrass, Fescues, Buffalograss, Bahiagrass, Bluegrass, Perennial Ryegrass and Centipedegrass	
Lawn Pests	Specific Application Instructions
Ants, Armyworms, Billbugs, Chiggers, Chichbugs, Crickets, Cutworms, Earwigs, Fruit Flies, Fleas, Leafhoppers, Millipedes, Mole Crickets, Sod Webworm, Sowbugs, Ticks (including Brown Dog Tick, Western Black- legged Ticks known to transport Lyme disease and Rocky Mountain Spotted Fever).	Apply 0.4 to 0.8 fl. oz. using 4-25 gallons of spray volume per 1,000 sq. ft. of lawn. Use higher volumes on St. Augustinegrass, Buffalograss, Bermuda, and Bahiagrass lawns. Use the higher rate for fast knockdown and increased residual control. Dense and excessive (greater than 3 inches) lawn height and arid conditions may require higher volume application rates. Repeat applications may be necessary (10 to 14 day interval) to control heavy infestations during peak periods of insect feeding. Do not exceed a total of 1.6 fl.oz./1,000 sq.ft. per year (i.e. four (4) applications at the lower rate or two (2) applications at the higher rate).

ORNAMENTAL PESTS

This product can be applied to control listed pests on outdoor ornamental foliage and flowering plants including conifers, woody and herbaceous non-edible ornamentals.

Rate:

General Pest Control – 0.04 to 0.08 fl. oz. (1/8 to 1/4 tsp) in 1 gallon of water
Refer to the Ornamental Specific Application Instructions Table for additional mixing instructions and specific directions for stem-infesting beetles.

How to Apply:

Apply using a hose-end or pressure type sprayer to deliver a coarse spray. Apply thoroughly to stem and foliage. Use the higher recommended label rate (1/4 tsp per gallon of water) for heavy pest infestations. Note: Higher volumes of water should be used when situations of dense foliage exists, or in arid or drought conditions.

When to Apply:

Apply in early morning or late evening hours, but not in the heat of the day. Spray evenly over ornamentals when insects first appear. To prevent insect reinfestation, repeat treatment as necessary but not more frequently than once every 14 days.

Ornamental Pests	Specific Application Instructions
Ants, Aphids, Bagworm, Beet Armyworm, Cabbage Looper, Cankerworms, Citrus Thrips, Coneworm (incl. web) and Seed bugs, Fungus Gnat, Gypsy Moth Caterpillars, Heliothis spp., Japanese Beetles, Lace Bug, Leaf Feeding Caterpillars, Leafhoppers, Leafrollers, Lygus Bugs, Mealybugs, Mosquitoes, Nantucket Pine Tip Moth, Oblique Leafroller, Pine Sawflies, Plant Bugs, Root Weevils (Adult), Rosy Aphid, Rose Chafer, Spotted Leafminer, Stink Bugs, Tarnished Plant Bug, Tent Caterpillars, Webworms, Whiteflies, Zimmerman Pine Moth	Direct application to blooms may cause browning of petals. Marginal leaf burn may occur on Salvia, Dieffenbachia and Pteris Fern. Mosquitoes coming to rest on treated plants will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions. To control Webbing Coneworm make first application just prior to peak pollen fight. To control other Coneworms and Seed Bugs, make application 30 days prior to flower closure.
Bark Beetles and Boring insects, (including but not limited to: Ash Borer, Bronze Birch Borer, Rhododendron Borer, Elm Bark Beetles, and Turpentine Beetles)	<u>Stem-Infesting Beetles:</u> Use 0.3 to 6 fl. oz. (2 to 4 tsp) per gallon of water. Treat lower branches and trunk prior to adult emergence. Complete, uniform coverage is needed for best control. A repeat application may be necessary on a 3 to 4 week interval to prevent severe tree stem damage.

TERMITE CONTROL (SUBTERRANEAN)

FOR USE ONLY AROUND EXISTING STRUCTURES. DO NOT USE INSIDE DWELLING. NOT FOR PRECONSTRUCTION USE.

This product may be used to establish an exterior soil barrier against termites around structures. The chemical concentrate is mixed as an emulsion and adequately dispersed in the soil to provide a continuous exterior barrier between wood in the structure and the termite colonies in the soil.

Note: A complete termite barrier may require treatment with other EPA registered products to the inside perimeter of the foundation and to other interior critical areas. For these areas, and if termites are found inside of the home, consult a Licensed Professional Pest Control Service for treatment.

PRECAUTION: When treating adjacent to an existing structure, the applicator must check the area to be treated, and immediately adjacent areas of the structure, for visible and accessible cracks and holes to prevent any leaks or significant exposures to persons occupying the structure. People present or residing in the structure during application must be advised to remove their pets and themselves from the structure if they see any signs of leakage. After application, the applicator is required to check for leaks. All leaks resulting in the deposition of termiticide in locations other than those prescribed on this label must be cleaned up prior to leaving the application site. Do not allow people or pets to contact contaminated areas or to reoccupy contaminated areas of the structure until the clean up is completed.

Rate: 3.2 fl.oz. (6½ Tbsp) in 2 gallons of water to make a 0.5% emulsion for each 5 linear feet of area to be treated

How to Apply:

Trench Treatment – Apply using a sprinkler can. Remove all wood debris and wood forms. Around piers, chimney bases and along foundations of poured concrete, dig a trench 6 inches wide and 4 inches deep. If footing is more than 12 inches deep make holes with a steel rod or pipe one foot apart that extends from the bottom of the trench to the top of the footing. Make holes closer in hard packed clay soils. Never dig below the top of the footing. Apply a 0.5% emulsion at a rate of 4 gallons per 10 linear feet per foot of depth. Apply half of the emulsion when backfilling the trench. (One quart of this product will make 20 gallons of 0.5% emulsion and treat 50 linear feet).

Precaution: DO NOT treat structures that contain cisterns or wells. Soil in the vicinity of wells, cisterns or ponds or structures with sump pumps or French drains should not be treated. For those situations, contact your County Cooperative Extension Agent or consult a commercial pest control service.

Fence Posts – Pre-installation: Using a sprinkler can, pour ½ gallon of 0.5% spray emulsion into the fence post hole and add another ½ gallon in mixture with the soil when filling the hole so that all the soil is treated. *Post-installation*: Installed poles and posts may be treated by first digging a trench around the post and applying 1 gallon of 0.5% emulsion per one foot depth of trench for posts less than 6 inches in diameter. For larger diameter posts increase the application rate to 4 gallons for each 10 linear feet of trench and per foot of depth.

When to Re-apply:

Retreatment for subterranean termites can only be performed if there is clear evidence of reinfestation or disruption of the barrier due to construction, excavation, or landscaping and/or evidence of the breakdown of the termiticide barrier in the soil. These vulnerable or reinfested areas may be retreated in accordance with application techniques described in this product’s labeling. The timing and type of these retreatments will vary, depending on factors such as termite pressure, soil types, soil conditions and other factors, which may reduce the effectiveness of the barrier. Annual retreatment of the structure is prohibited unless there is clear evidence that reinfestation or barrier disruption has occurred.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

Pesticide Storage: Store in original container only in a cool, dry place out of reach of children and pets. Avoid excess heat.

Pesticide Disposal & Container Handlings: Nonrefillable container. Do not reuse or refill this container. *If empty:* Place in trash or offer for recycling if available. *If partly filled* – Call your local solid waste agency for disposal instructions. Never pour unused product down any indoor or outdoor drain.

[Optional Disclaimers:

NOTICE: To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this product not in accordance with directions.

If for any reason you are not satisfied with this product, mail us proof of purchase to obtain a full refund of your purchase price.

Money Back Guarantee: If you are not satisfied with this product, we will gladly refund your original purchase price.]

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

(Lot No. added at production)