

28293-354

04/5/2013

1/10

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



OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 5, 2013

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

Subject: Amended Reregistration Label
Product Name: Unicorn 40% Permethrin E.C.
EPA Registration Number: 28293-354
EPA Decision Number(s): 413461

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 Any previously dated CSFs are superseded.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 28, 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).

2/10

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 April 5, 2013*
Acute Toxicity Review, dated October 11, 2012
Product Chemistry Review, dated September 24, 2012

UNICORN 40% PERMETHRIN E.C.

Optional Marketing Statements:

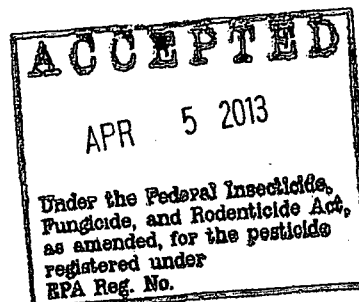
For Agricultural/Commercial, Vector Control Agency, Pest Control Operators Only.
For control of Flies, Lice, Mites, and Ticks on livestock and their premises.
Can be used on Lactating and Non-Lactating Cattle and Goats, Beef Cattle, Sheep, Swine,
Poultry and Horses.
Directions for Flea and Tick control on Dogs as spray dip wash or dip tank.
Can be used in all areas of Dairy barns, including Milk Room.
For control of Fire Ants.

ACTIVE INGREDIENT:

Permethrin*	40.00%
OTHER INGREDIENTS**:	60.00%
Total:	100.00%

*Cis/trans isomers ratio: Min.35% (±) cis and Max. 65% (±) trans.
**Contains Petroleum Distillates

DO NOT USE ON CATS



KEEP OUT OF REACH OF CHILDREN

WARNING

See Side/Back/Other Panel(s) for Additional Precautionary Statements and First Aid.

Net Contents: _____

FIRST AID	
If Swallowed:	<ul style="list-style-type: none"> ◦ Call a poison control center or doctor immediately for treatment advice. ◦ Do not give any liquid to the person. ◦ Do not induce vomiting unless told to do so by the poison control center or doctor. ◦ Do not give anything by mouth to an unconscious person.
If on Skin or Clothing:	<ul style="list-style-type: none"> ◦ 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.
<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 800-858-7378] for emergency medical treatment information.</p>	
<p>NOTE TO PHYSICIAN: Contains petroleum distillates – vomiting may cause aspiration pneumonia.</p>	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: May be fatal if swallowed. Avoid contact with skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators using ULV cold foggers or fog/mist generators in indoor spaces must wear:

- Coveralls over long-sleeved shirt and long pants;
- Chemical-resistant gloves (such as those made from Barrier Laminate, Nitrile Rubber, Neoprene Rubber or Viton, EPA Selection Category E*);
- Chemical-resistant footwear plus socks; and
- Chemical-resistant headgear, if overhead exposure.

Applicators using ULV cold foggers and/or fog/mist generators in outdoor spaces must wear:

- Long-sleeve shirt and long pants;
- Shoes plus socks; and
- Chemical-resistant gloves (such as those made from Barrier Laminate, Nitrile Rubber, Neoprene Rubber or Viton, EPA Selection Category E*);

All other mixers, loaders, applicators and other handlers must wear:

- Long-sleeve shirt and long pants;
- Shoes plus socks
- Chemical-resistant gloves (such as those made from Barrier Laminate, Nitrile Rubber, Neoprene Rubber or Viton, EPA Selection Category E*);
- Chemical-resistant apron for mixers, loaders, persons cleaning equipment and persons exposed to the concentrate and for handlers performing animal dip applications.

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

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



DO NOT USE ON CATS
May be toxic or potentially fatal if applied to or ingested by cats. Accidental application to cats and/or grooming with a recently treated dog may result in tremors and/or uncoordinated muscle movements. If this occurs, immediate veterinary care should be provided.

Environmental Hazards

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. 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 apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters.

Under some conditions, it may also have a potential for transport into surface water in runoff (primarily absorbed to suspended soil particles), for several months or more after applications. These include poorly draining or wet soils, with readily visible slopes toward adjacent surface waters, frequently flooded areas, and areas overlying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-lying tile drainage systems that drain to surface waters.

[For containers ≥ 5 gallons: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.]

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

Combustible. Do not use or store near heat or open flame.

6/10

DIRECTIONS FOR USE

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

READ ENTIRE LABEL BEFORE EACH USE

Restrictions:

FOR PET USE – USE ONLY ON DOGS.

Except when applying to dogs or livestock, do not enter or allow others to enter treated area until sprays have dried, and vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated. Except when applying to dogs or livestock, do not apply this product in a way that will contact workers or other persons, either directly or through drift. Except when applying to dogs or livestock, only protected handlers may be in the area during application. Do not breathe vapor or spray mist. Not for use in outdoor residential misting systems. When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.

All outdoor applications, if permitted elsewhere on this label, must be limited to spot or crack and crevice treatments only, except for the following permitted uses, if allowed elsewhere on this label:

- 1) Applications to soil or vegetation, as listed on this label, around structures;
- 2) Applications to lawns, turf and other vegetation, as listed on this label;
- 3) Applications to the side of a building, up to a maximum height of 3 feet;
- 4) Applications to underside of eaves, soffits, doors or windows permanently protected from rainfall by a covering, overhand, awning or other structure;
- 5) Applications around potential pest entry points into buildings, when limited to a surface band not to exceed one inch in width;
- 6) Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in runoff into storm drains, drainage ditches, gutters or surface waters, in order to control occasional invaders or aggregating pests.

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 this or any other pesticide on sick, old or debilitated animals. Do not use on dogs under 4 months old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals. 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.

7/10

Directions for use in commercial animal premise automatic misting systems:

Not for use in outdoor residential misting systems (indoor or outdoor). Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained. Do not apply when food, feed or water is present. Do not apply directly to animals. When using this product, installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s), or local authority(ies) where they are installed. When applying via a remote activation device, do not apply when people and pets are present. If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present. Direct nozzles to spray towards the target area and away from areas where people are typically present. Do not use in an evaporative cooling system. Do not use in misters located within 3 feet of air vents, air conditioner units, or windows. If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: this container holds ___ parts [product name] to ___ parts water. If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve. This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 4 fluid ounces per 1000 cubic feet or 10 gallons of diluted product.

Measurement conversions: 1 fl.oz. = 2 Tablespoons (T) = 6 teaspoons (tsp)

Do not use utensils such as spoons and measuring cups for food purposes after use with pesticides.

TARGET SPECIES	USE	DILUTE (NO. TREATED)	APPLICATION RATE
LACTATING AND NON-LACTATING DAIRY CATTLE AND GOATS, BEEF CATTLE AND SHEEP			
Horn flies only (For 1 week residual control)	High pressure spray	4 fl. oz. (118 ml) to 50 gals. water (treats 200) 0.025% Active Ingredient (AI)	1 qt. of coarse spray per animal
Horn flies, Face flies, Stable flies, House flies, Horse flies, Deer flies, Black flies, Mosquitoes, Eye gnats, Mange mites, Ticks, Lice, Sheep keds (1-2 weeks residual control of horn flies)	High pressure Spray	4 fl. oz. (118 ml) to 25 gals. water (treats 50-100) 0.05% AI	1-2 qt. of coarse spray per animal over whole body surface. For Mange, Ticks and Lice thoroughly wet animal. Repeat application 10-14 days for Mites and Lice.
Horn flies, Face flies, Stable flies	Low pressure spray (Hand)	4 fl. oz. (118 ml) to 2 ½ gals. water	For fly and lice control, spray midline from face to tailhead

and Lice (2-3 weeks residual control of horn flies)	pump Sprayer)	(treats 64-80) 0.5% AI	to point of runoff (4-5 fl. oz.) (118-148 ml).
Horn flies, Face flies, Stable flies (Season long control of horn flies)	Backrubber, Self Oiler	4 fl. oz. (118 ml) to 10 gals. diesel oil or suitable mineral oil. 0.125% AI	Keep rubbing device charged. Results improved by daily forced use.
POULTRY			
Northern fowl mites, Lice	High pressure spray	1-4 fl. oz. (30-118 ml) to 3.75 gals. water (treats 375) 0.08-0.33% AI	1 gal. of coarse spray per 100 birds, paying particular attention to vent area.
SWINE (Allow 5 days between last treatment and slaughter)			
Lice, Mange Mites	Sprayer or Dip	4 fl. oz. (118 ml) to 25 gals. water (treats 50-100) 0.05% AI	Thoroughly wet or dip animals including ears. For Mange, spray pen floors, sides and bedding. Repeat at 14 days.
HORSES & DOGS (DO NOT USE ON CATS)			
Horn flies, Face flies, Stable flies, House flies, Horse flies, Black flies, Mosquitoes, Eye gnats, Mange mites, Ticks, Lice, Fleas	Low Pressure Spray	¼ fl. oz. (7.5 ml) to 1 pt. water. 0.625% AI	1-2 fl. oz. (30-60 ml) spray per animal. Spot treat back, face, legs, tail and ears.
	Dip Wash	¼ fl. oz. (7.5 ml) to 1.25 gals. water. 0.0625% AI	Thoroughly wet animal to skin with sponge or rag. Let drip dry.
	Dip (Dogs only)	4 fl. oz. (118 ml) to 20 gals. water. 0.0625% AI	Make sure all areas are soaked to skin. Let dip dry on animal. Do not rinse off.

TARGET SPECIES	USE	DILUTE	APPLICATION RATE
PREMISES – IN AND AROUND HORSE, BEEF, DAIRY, SWINE, SHEEP AND POULTRY PREMISES, ANIMAL HOSPITALS, PENS AND KENNELS AND OUTSIDE MEAT PROCESSING PREMISES			
House flies, Stable flies, Little house flies (Fannia Spp.). Aids in control of Cockroaches, Ants, Spiders, Mosquitoes and Crickets.	Surface Spray	4 fl. oz. (118 ml) to 10 gals. water. 0.125% AI	Spray surfaces until wet or 1 gal. per 750-1000 sq. ft. (Do Not Use in Milk Rooms)
	Space Spray	1.5 fl. oz. (45 ml) to 1 gal. water. 0.469% AI	Apply as fog or fine mist until area is filled with mist, using 2 fl. oz. (60 ml) per 1000 cubic ft. (Can be used in Milk Rooms)
	Overhead space spray system	4 fl. oz. (118 ml) to 10 gals. mineral oil. 0.125% AI	4 fl. oz. (118 ml) spray per 1000 cu. ft. of air space. (Do not use in Milk Rooms)
Temporary	Outdoor space	1.5 fl. oz. (45 ml) to	Fill area with mist. Apply

reduction of annoyance from pests mentioned above.	spray	1 gal. water. 0.469% AI	while the air is still and avoid wetting foliage.
Bed bugs and Chicken Mites	Sprayer	4 fl. oz. (118 ml) to 10 gals. For severe infestation it is permissible to use 4 fl. oz. (118 ml) to 4 gals.	Spray crevices of roost poles, cracks in walls and cracks in nest and nest boxes.
Ticks, including the Deer tick, Fleas	Indoor sprayer	3 fl. oz. (90 ml) to 2 gals. water. 0.469% AI	Treat around windows, doors, porches, screens, eaves, patios, garages, under stairways and in crawl spaces where these pests may occur. Apply until surface is wet (approx. 1 gal. per 750 – 1000 sq. ft.).
	Outdoor sprayer	4 fl. oz. (118 ml) to 100 gals. water. For longer residual use up to 8 fl. oz. (236 ml) to 100 gals. water. 0.0125-0.025% AI	Use enough finished spray to penetrate foliage, usually 50-100 gals. per acre. To prevent infestation of buildings, treat a band of vegetation 6-10 feet adjacent to the structure.
Imported Fire Ants	Sprinkler can	3 fl. oz. (90 ml) to 1 gal. water. 0.938% AI	Gently sprinkle 1 gal. over the surface of each mound. Thoroughly wet mound and surrounding area to treat a 4 ft. diameter. For best results, apply in cool weather 65-80°F (early morning or late evening). Pressurized sprayers may disturb ants and cause migration reducing product effectiveness.

Do not apply dilutions for premise treatment directly on livestock or poultry. Ensure that feed and water are not contaminated by spray drift. For space spraying, do not remain in treated areas and ventilate the area before reoccupying. Animals should be removed from area prior to treatment. The use of any residual fly spray should be supplemented with proper manure management and general sanitation to reduce or eliminate fly breeding sites.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store upright at room temperature, preferably under lock and key. Avoid exposure to extreme temperatures. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Place liquid formulations on lower shelves and dry formulations above.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING:

Non-refillable container. Do not reuse or refill this container.

Triple rinse container (or equivalent) promptly after emptying.

[For Containers of 5 Gallons or Less]

Triple rinse as follows: Empty the remaining contents into application equipment or a rinse tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.

[For Containers Greater than 5 Gallons]

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.

SPILL PROCEDURES: In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

Phaeton Corporation
P.O. Box 290
Madison, GA 30650

[Lot No. added at production]