

28293-175

07/24/2012

1/10

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D C 20460 0001



OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Phaeton Corporation
c/o Rebecca Horton
Registrations by Design Inc
P O Box 1019
Salem VA 24153

JUL 24 2012

Subject Amended Reregistration Label
Product Name Unicorn General Purpose Insecticide
EPA Registration Number 28293 175
EPA Decision Number 412086 410389

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 Pyrethrins and PBO REDs 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 be reminded that 40 CFR Part 156 140(a)(4) requires that a batch code lot number or other code identifying the batch of the pesticide distributed and sold be placed on non refillable containers The code may appear either on the label or durably marked on the container itself and can be added by non notification per PRN 98 10

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product currently contains the Confidential Statements of Formulation (CSFs) listed below Any previously dated CSFs are superseded

1 Basic CSF dated >>

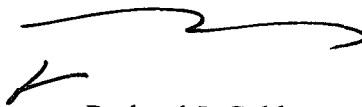
07/13/10

A copy of your label 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 Gene Benbow at 703 347 0235 or benbow_gene@epa.gov

Sincerely



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

*Enclosures Acute Toxicity Review dated 09/21/10
Product Chemistry Review dated 11/29/11
Stamped Accepted Label dated JUL 24 2012*

UNICORN GENERAL PURPOSE INSECTICIDE

Optional Marketing Statements

Clear Stable
 Leaves No Oily or Objectionable Residues
 Effective Fast Acting Insecticide
 For Use in Homes Institutions Restaurants Food Processing Plants Dairies Livestock
 and Outdoors for Mosquito Control
 To Kill Fleas and Brown Dog Ticks on Premises and on Pets
 Apply with Conventional Mechanical or Compressed Air Equipment
 Contains the botanical insecticide Pyrethrum [an extract of a Chrysanthemum flower]
 A micro emulsion water based spray
 Kills and repels Stable Flies Horse Flies Face Flies Deer Flies House Flies
 Mosquitoes and Gnats
 Kills Black Widow Spiders and Black Carpenter Ants
 Quick killing pyrethrum kills crawling and flying insects in homes schools hospitals
 and other listed areas
 Kills Fleas and Ticks indoors and around pet areas
 Kills Deer Ticks and other Ixodid species that may carry and transmit Lyme Disease
 For use on Beef Cattle Dairy Cattle Horses Hogs and other listed livestock
 Kills Mosquitoes including the Culex species that may carry and transmit the West
 Nile Virus

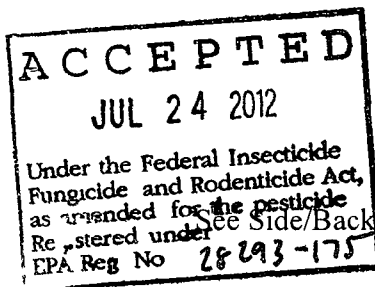
ACTIVE INGREDIENTS

Pyrethrins	0.1%
Piperonyl Butoxide*	1.0%

OTHER INGREDIENTS

	<u>98.9%</u>
Total	100.0%

* (butylcarbityl) (6 propylpiperonyl) ether and related compounds



KEEP OUT OF REACH OF CHILDREN

CAUTION

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

DO NOT TRANSPORT OR STORE UNDER 32° F

NET CONTENTS

EPA Reg No 28293 175

EPA Est No 62478 FL 1A
44616 MO 1B

Subscript used is first letter of run code on container

July 23 2012 – Re regis revised

Page 1 of 8 Pages

READ ENTIRE LABEL BEFORE EACH USE

FOR PET USE – USE ONLY ON DOGS OR CATS

FIRST AID	
If Swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice • Have person sip a glass of water if able to swallow • 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>	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION Harmful if swallowed Harmful if absorbed through skin Avoid contact with skin eyes or clothing 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 See engineering controls for additional requirements

Personal Protective Equipment (PPE) Mixers loaders applicators and other handlers must wear the following long sleeve shirt long pants shoes and socks and chemical resistant gloves made of any waterproof material

In addition to the above PPE applicators using a high pressure handwand in an enclosed area must wear at least a NIOSH approved respirator with a dust/mist filter with MSHA/NIOSH approval number prefix TC 21C or any N R P or HE filter

In addition to the above PPE applicators using hand held foggers in an enclosed area must wear a half face full face or hood style HIOSH approved respirator with a dust/mist filtering cartridge (MSHA/NIOSH approval number prefix TC 21C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC 14G) or a cartridge or canister with any N R P or HE filter

Engineering Controls Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170 240(d)(6)] Human flagging is prohibited Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers

User Safety Requirements

Follow manufacturer s instructions for cleaning/maintaining PPE If not such instructions for washables exist use detergent and hot water Keep and wash PPE separately from other laundry Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product s concentrate Do not reuse them

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to aquatic organisms including fish and invertebrates Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates Before making the first application in a season it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist Do not apply over bodies of water (lakes rivers permanent streams natural ponds commercial fish ponds swamps marshes or estuaries) except when necessary to target areas where adult mosquitoes are present and weather conditions will facilitate movement of applied material beyond the water in order to minimize incidental deposition into the water body Do not contaminate bodies of water when disposing of equipment rinsate or wash waters

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds Do not apply when bees are visiting the treatment area except when applications are made to prevent or control a threat to public and/or animal health determined by a state tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito borne disease in animal or human populations or if specifically approved by the state or tribe during a natural disaster recover effort

Physical or Chemical Hazards

Do not use this product in or on electrical equipment because of shock hazard

DIRECTIONS FOR USE

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

User Safety Recommendations

User should wash hands before eating drinking chewing gum using tobacco or using the toilet User 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 As soon as possible wash thoroughly and change into clean clothing

USE RESTRICTIONS

Except when applying as wide area mosquito adulticide or to pets and livestock do not remain in treated area – exit area immediate and do not enter or allow others to enter until sprays have dried and vapors mists and aerosols have dispersed and the treated area has been thoroughly ventilated Except when applying as a wide area mosquito adulticide or to pets and livestock do not apply this product in a way that will contact workers or other persons either directly or through drift – only protected handlers may be in the area during application Avoid contamination of food and feedstuffs Remove pets birds and cover fish aquaria before space spraying or surface application Remove or cover exposed food and drinking water before application Remove or cover dishes utensils food processing equipment and food preparation surfaces or wash them before use Do not make space spray applications when facility is in operation Prior to space spray applications cover or remove food and cover food processing surfaces or clean after treatment and before use Do not apply directly into sewers or drains or to any area like a gutter where drainage to storm sewers water bodies or aquatic habitat can occur Do not allow the product to enter any drain during or after application Not for outdoor residential use Not for use in outdoor residential misting systems Do not apply by a metered release device in indoor spaces or by an indoor misting system When used in dairy barns or facilities close milk bulk 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

INDOOR APPLICATION

For maximum effectiveness a combination of spot surface treatment and fogging is recommended

TO KILL INSECTS including but not limited to			
Ants	Black Carpenter Ants	Black Fly	Bedbugs
Blood Sucking Lice	Brown Dog Ticks	Cat Fleas	Deer Flies
Deer Ticks	Dog Fleas	Face Flies	Gnats
Granary Weevils	Cadelles	Carpet Beetles	Cereal Beetles
Cigarette Beetles	Confused Flour Beetles	Angoumois Grain Moths	Cockroaches
Crickets	Box Elder Bugs	Almond Moths	Cheese Skipper
Chocolate Moths	Clothes Moths	Black Widow Spiders	Cellar Spiders
Cheese Mites	Darkling Beetles	Dark Mealworms	DermeStid Beetles
Dried Fruit Beetles	Drugstore Beetles	Earwigs	Firebrats
Fannia Flies	Fruit Flies	Flat Grain Beetles	Grain Mites
Horn Flies	Horse Flies	House Flies	Lice
Hornets	Indian Meal Moths	Khapra Beetles	Lesser Grain Borer
Lesser House Flies	Med Flour Moths	Merchant Grain Beetles	Midges
Millipedes	Miller Moths	Palmetto Bugs	Pillbugs

EPA Reg No 28293 175

EPA Est No 62478 FL 1A
44616 MO 1B

Subscript used is first letter of run code on container

July 23 2012 – Re regis revised

Page 4 of 8 Pages

Red Flour Beetles	Rice Flour Beetles	Rice Weevils	Rusty Grain Beetles
Sheep Ticks	Stable Flies	Spider Beetles	Silverfish
Skipper Flies	Sowbugs	Saw toothed Grain Beetles	Small Flying Moths
Trogoderma Beetles	Tobacco Moths	Warehouse Beetles	Wasps
Waterbugs	Yellow Jackets	Yellow Mealworms	
Ticks – including ticks that may carry and transmit Lyme Disease			
Mosquitoes – including the Culex species that may carry and transmit the West Nile Virus			

Surface Spraying To kill cockroaches palmetto bugs ants silverfish spiders crickets clover mites cheese mites granary weevils rice weevils confused flour beetles rust red flour beetles sawtoothed grain beetles spider beetles cigarette beetles drugstore beetles meal worms grain mites cadelles and other listed insects Use a good sprayer adjusted to a coarse wet spray Direct the spray into hiding places cracks and crevices under pallets around containers of stored foods around the base of machinery behind shelves and drawers For silverfish spray bookcases For ants spray trails nests and points of entry If surface application only is to be used spray floors and other surfaces applying a rate of 1 gallon to 750 square feet of surface

To kill carpet beetles spray edges of carpeting and under carpeting and rugs Make localized application to floor and baseboards Spray directly into cracks crevices and infested areas of shelving under furniture and other areas these insects are seen or suspected

To kill bedbugs spray mattresses lightly particularly around tufts and seams Take beds apart and spray in all joints Treat baseboards moldings and floors

To kill fleas and brown dog ticks thoroughly spray infested areas pet beds resting quarters nearby cracks and crevices along and behind baseboards moldings window and door frames and entire areas of floor and floor covering Fresh bedding should be placed in animal quarters following treatment

To kill clothes moths remove any infested articles from storage brush thoroughly and air for several hours in sunlight if possible Apply spray liberally to empty chests closets bureaus and other storage directing the spray into cracks joints and crevices After airing infested articles may be treated lightly keeping nozzle at least three feet from fabric to avoid staining Do not wet articles to point of runoff or drip Do not use treated article until spray has dried Dry clean treated clothes before wearing

SPACE SPRAYING Close doors and windows and shut off ventilating systems Apply with mechanical or compressed air equipment adjusted to deliver a fine mist For rapid kill of house flies fruit flies gnats mosquitoes skipper flies wasps hornets Angoumois grain moths Mediterranean flour moths Indian meal moths tobacco moths and other listed insects Direct spray at an upward angle distributing it uniformly throughout the entire area at a rate of 1 to 1½ fluid ounces per 1000 cubic feet or space Leave room closed for ½ hour and ventilate thoroughly before re entry

EPA Reg No 28293 175

EPA Est No 62478 FL 1A
44616 MO 1B

Subscript used is first letter of run code on container

FOGGING To kill exposed or accessible stages of listed crawling insects use a rate of 1 gallon to 20 000 to 40 000 cubic feet of space Contact insects directly whenever possible Leave room closed for 1/2 hour and ventilate thoroughly before re entry

LIVESTOCK

FOR USE ON but not limited to			
Beefalo	Buffalo	Calves	Cattle Beef
Cattle Dairy	Donkeys	Horses	Lambs
Llamas	Mules	Oxen	Pigs
Sheep	Swine	Exotics such as European Red Deer	

To protect from horn flies mosquitoes gnats and other listed insects apply a light mist sufficient to wet the surface of the hair To kill stable flies horse flies and deer flies apply at a rate of 2 ounces per adult cow or horse sufficient to wet the hair thoroughly Repeat treatment daily or at intervals necessary to give continued protection To kill blood sucking lice apply to the infested areas of the animal using a stiff brush to get the spray to the base of the hair Repeat every 2 to 3 weeks if required

ON PETS Start spraying at the tail moving the dispenser rapidly and making sure that the animal s entire body is covered including the legs and underbody While spraying fluff the hair so that the spray will penetrate to the skin Make sure spray wet thoroughly Do not spray into eyes or face Avoid contact with genitalia Reapply every week as necessary Do not use on kittens or puppies under twelve (12) weeks of age Consult a veterinarian before using this product on debilitated aged pregnant or nursing animals or animals on medication

OUTDOOR ADULT MOSQUITO CONTROL

For use only by federal, state, tribal, or local government officials responsible for public health or vector control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct supervision

Do not make applications during rain Do not remain in treated area Exit area immediately and remain outside the treated area until aerosols vapors and/or mists have dispersed

IN CALIFORNIA This product is to be applied by County Health Department State Department of Health Services Mosquito and Vector Control or Mosquito Abatement District personnel only

IN FLORIDA Do not apply by aircraft unless approved by the Florida Dept of Agriculture and Consumer Services

NOTE When rotating products with other insecticides containing piperonyl butoxide do not exceed 2 lbs PBO per acre per year

EPA Reg No 28293 175

EPA Est No 62478 FL 1A
44616 MO 1B

Subscript used is first letter of run code on container

The maximum application rate for wide area mosquito adulticide applications is 0.0025 lbs pyrethrin/acre or 0.025 lbs piperonyl butoxide/acre whichever is lower. When targeting *Aedes Taeniorhynchus* and other difficult species, applications may be made up to 0.008 lbs pyrethrin/acre/day or 0.08 lbs piperonyl butoxide/acre/day whichever is lower. Do not apply more than 24 gallons per acre per year [0.2 lbs pyrethrin/2.0 lbs piperonyl butoxide] in any treated area. More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal, or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

WIND SPEED

Apply only when wind speed is greater than or equal to 1 mph

SPRAY DROPLET SIZE DETERMINATION

Ground based wide area mosquito abatement application: Spray equipment must be adjusted so that the volume median diameter (VMD) is between 8 and 30 microns ($Dv_{0.5} < 30 \mu m$) and that 90% of the spray is contained in droplets smaller than 50 microns ($Dv_{0.9} < 50 \mu m$). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

Aerial Equipment wide area mosquito abatement application: Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns ($Dv_{0.5} < 60 \mu m$) and that 90% of the spray is contained in droplets smaller than 115 microns ($Dv_{0.9} < 115 \mu m$). The effects of flight speed and for non rotary atomizers, nozzle angle on the droplet size spectrum must be considered. Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a wind tunnel and laser based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

RELEASE HEIGHT for AERIAL

Fixed wing

Apply using a nozzle height of no less than 100 feet above the ground or canopy

Rotary wing

Apply using a nozzle height of no less than 75 feet above the ground or canopy

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

Pesticide Storage Store in the original container in a cool dry place away from children and pets

Pesticide Disposal 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

Container Handling Nonrefillable container Do not reuse or refill this container Triple rinse (or equivalent) promptly after emptying Then offer for recycling if available or puncture and dispose of in a sanitary landfill

Triple Rinse as follows [for containers of 5 gallons or less] Empty the remaining contents into application equipment or a mix 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

Triple Rinse as follows [for containers greater than 5 gallons] 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 Turn the container over onto its other end and tip back and forth several times Empty the rinsate into the application equipment or a mix tank or store rinsate for later use or disposal Repeat this procedure two more times

To the extent consistent with applicable law buyer assumes all risks of use storage or handling of this product not in strict accordance with direction given herewith

Phaeton Corporation
P O Box 290
Madison GA 30650