

270-329

7/24/2012

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



OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

JUL 24 2012

Ms. Lorri K. Chavez  
Farnam Companies, Inc.  
301 West Osborn Rd.  
Phoenix, AZ 85013

Subject: Amended Reregistration Label  
Product Name: Farnam X-5294-98  
EPA Registration Number: 270-329  
EPA Decision Numbers: 413616

Dear Ms. Zajac:

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, Prallethrin and Piperonyl Butoxide 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 Any previously dated CSFs are superseded.

- Basic CSF, dated November 01, 2010

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 Driss Benmhend at 703-308-9525 or Benmhend.driss@epa.gov.

Sincerely,



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

Enclosures: *Label stamped "Accepted," dated JUL 24 2012*  
*Acute Toxicity Review, dated June 10, 2010*  
*Product Chemistry Review, dated October 11, 2011*

ACCEPTED  
With COMMENTS  
In EPA Letter Dated:  
JUL 24 2012

**Farnam X-5294-98**

Under the Federal Insecticide, Fungicide  
and Rodenticide Act, As amended, for the  
pesticide Registered under EPA Reg. No:

Insecticide & Repellent

270-329

For Use on Horses, Ponies and Foals  
For Use in Premises including Horse Barns and Stables

Kills and Repels Six Fly Species, Ticks, Gnats, Mosquitoes

**ACTIVE INGREDIENTS:**

Prallethrin*	0.033%
Permethrin**	0.100%
Piperonyl Butoxide***	0.500%

**OTHER INGREDIENTS:** ..... 99.367%

**TOTAL**..... 100.000%

- \* (RS)-2-Methyl-4-oxo-3-(2-propynyl)cyclopent-2-enyl (1R)-cis, trans chrysanthemate
- \*\* (3-phenoxyphenyl) methyl (+/-) cis/trans 3- (2,2 dichloroethenyl) 2, 2-dimethyl cyclopropane carboxylate; cis/trans ratio: min. 35% (+/-) cis and max 65% (+/-) trans
- \*\*\* (butyl carbityl) (6-propylpiperonyl) ether and related compounds:

ETOC is a registered trademark of Sumitomo Chemical Company, Limited

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
**SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

Manufactured for:  
Farnam Horse Products  
A Division of Farnam Companies, Inc.  
P. O. Box 34820  
Phoenix, AZ 85067-4820

EPA Reg. No. 270-329

EPA Est.No. \_\_\_\_\_

NET CONTENTS: \_\_\_\_\_

READ ENTIRE LABEL BEFORE EACH USE  
USE ONLY ON HORSES, PONIES AND FOALS  
NOT FOR USE ON HORSES INTENDED FOR SLAUGHTER

**DIRECTIONS FOR USE**

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

**COMMERCIAL USE LABEL**

For Horses Use Full Strength. This non-oily insecticide repellent may be applied with a trigger spray applicator, or as a wipe. Kills and repels stable flies, horse flies, face flies, deer flies, house flies, horn flies, mosquitoes, gnats, ticks, fleas, chiggers, and lice. Not for use on horses intended for slaughter. All handlers must wear long sleeved shirt and long pants, socks and shoes. 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**

- 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.
- User 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.

**DIRECTIONS FOR TRIGGER SPRAY USE:** Remove excess dirt and dust. Apply light spray mist to coat while brushing lightly against lay of the hair. Avoid spray in eyes and mucous membranes. Apply with sponge or cloth to those areas.

**DIRECTIONS FOR WIPE-ON USE:** Thoroughly brush horse to remove excess dirt and dust. Extremely dirty horses should be shampooed, rinsed, and allowed to dry before applying wipe. Use a sponge or clean soft cloth or mitt. Apply liberally over areas to be protected. Pay special attention to legs, belly, shoulders, neck, and facial areas. Avoid eyes and mucous membranes.

**TO KILL AND REPEL FLYING INSECTS IN HORSE QUARTERS:** Use this product in horse barns and stables to kill and repel stable flies, horse flies, face flies, deer flies, house flies, horn flies, mosquitoes, gnats, ticks (including Deer Ticks), fleas, chiggers, and lice. Apply undiluted as either a surface spray or space spray (fog).

**General Precautions and Restrictions**

<p>For use as a surface spray:</p> <ul style="list-style-type: none"> <li>• Except when applying to horses, ponies and foals, do not enter or allow others to enter until sprays have dried.</li> <li>• Except when applying to horses, ponies and foals, 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.</li> </ul>
<p>For use as a space spray or fog:</p> <ul style="list-style-type: none"> <li>• Do not enter or allow others to enter until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.</li> <li>• Do not apply when food or feed is present.</li> <li>• 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.</li> </ul>
<p>For outdoor applications:</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Not for use in outdoor residential misting systems or metered release systems.</li> <li>• Do not make applications during rain.</li> <li>• Do not water the treated area to the point of run-off.</li> </ul>

*Surface Spraying:* Use a good sprayer adjusted to deliver a coarse wet spray. Apply as a coarse wet spray using 1 pint per 1,000 square feet. Direct the spray wherever flies congregate or alight, until surfaces are moistened. Treat around doorways, feed storage rooms, alleyways and windowsills. Spray around outside of door facings and screens to render area unattractive to insects. This helps to repel insects and prevent entrance into building. Remove pets, birds, and cover

aquariums before spraying. 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. All outdoor applications to building must be limited to spot or crack-and-crevice treatments only, except for applications to building foundations, up to a maximum height of 3 feet

*Space Spraying.* Remove horses prior to application. Before application, close doors, windows and other openings and shut off ventilating systems to reduce air movement as much as possible. Apply with a good machine adjusted to deliver a fine mist or fog. Direct spray at an upward angle, distributing it uniformly throughout the entire area at a rate of 2 fluid ounces per 1,000 cubic feet (10 ft x 10 ft x 10 ft). Apply by directing spray toward ceiling and corners until the space is filled with mist. For best results, keep doors and windows closed, when possible, for 10 minutes during spraying and after application. Do not remain in treated area. Exit area immediately and remain outside the treated area until vapors and mists have dispersed. After the 10 minute treatment period, the area should be opened and ventilated prior to reoccupation by humans or animals.

Do not use where livestock (other than horses) are housed or fed, or where livestock feeds are stored. Do not contaminate water, feed or foodstuffs, milk or milking utensils. Do not repeat treatment more than once every day.

<p><b>PRECAUTIONARY STATEMENTS</b></p> <p><b>HAZARDS TO HUMANS AND DOMESTIC ANIMALS: CAUTION</b></p> <p><b>HUMANS:</b> Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.</p> <p><b>ANIMALS:</b> Avoid contact with eyes, or mucous membranes. Avoid treatment of foals under 6 weeks of age unless prescribed by a veterinarian.</p>
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<b>FIRST AID</b>	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice</li> <li>• Have a person sip a glass of water if able to swallow</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor</li> <li>• Do not give anything by mouth to an unconscious person</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN:</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>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
In case of emergency or for product information, call 800-234-2269	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

### ENVIRONMENTAL HAZARDS

This product 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 treatment area. This pesticide is extremely 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.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in a cool, dry place inaccessible to children and pets.

**PESTICIDE DISPOSAL AND CONTAINER HANDLING:** 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 place unused product down any indoor or outdoor drain.



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## RESIDENTIAL USE LABEL

For Horses Use Full Strength. This non-oily insecticide repellent may be applied with a trigger spray applicator, or as a wipe. Kills and repels stable flies, horse flies, face flies, deer flies, house flies, horn flies, mosquitoes, gnats, ticks, fleas, chiggers, and lice. Not for use on horses intended for slaughter.

**DIRECTIONS FOR TRIGGER SPRAY USE:** Remove excess dirt and dust. Apply light spray mist to coat while brushing lightly against lay of the hair. Avoid spray in eyes and mucous membranes. Apply with sponge or cloth to those areas.

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### General Precautions and Restrictions

**For use as a surface spray:**

- Except when applying to horses, ponies and foals, do not enter or allow others to enter until sprays have dried.
- Do not apply this product in a way that will contact adults, children or pets, either directly or through drift.

**For use as a space spray or fog:**

- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.
- Do not apply this product in a way that will contact adults, children, or pets to enter until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- Do not apply when food or feed is present.
- 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.

**For outdoor applications:**

- 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.
- Not for use in outdoor residential misting systems.
- Do not make applications during rain.
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*Surface Spraying:* Use a good sprayer adjusted to deliver a coarse wet spray. Apply as a coarse wet spray using 1 pint per 1,000 square feet. Direct the spray wherever flies congregate or alight, until surfaces are moistened. Treat around doorways, alleyways and windowsills. Spray around outside of door facings and screens to render area unattractive to insects. This helps to repel insects and prevent entrance into building. Remove pets, birds, and cover aquariums before spraying. Remove or cover exposed food and drinking water before application. Remove or cover dishes, utensils, and food preparation surfaces, or wash them before use. All outdoor applications to building must be limited to spot or crack-and-crevice treatments only, except for applications to building foundations, up to a maximum height of 3 feet

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**HUMANS:** Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. **Wear long sleeved shirt and long pants, socks and shoes.** Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

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