

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

April 6, 2017

James McFadden, Ph.D.
Directory, Regulatory Affairs
Farnam Companies, Inc.
1501 East Woodfield Rd., Suite 200 West
Schaumburg, IL 60173

Subject: Amended Reregistration Label

Product Name: Ready to Use Repel-X EPA Registration Number: 270-294

Decision Number: 413609; 412289; 411224

Dear Dr. McFadden:

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, PBO, and Pyrethrins REDs, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

NOTE: This product is **not** yet being reregistered under section 4(g) of FIFRA.

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 Any previously dated CSFs are superseded.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 11/13/2014
- Alternate CSF 1, dated 11/13/2014

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the

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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 section 6.

If you have any questions about this letter, please contact Jennifer Gaines at 703-305-5967 or via email at gaines.jennifer@epa.gov.

Sincerely,

Gene Benbow, Acting Product Manager 4

Invertebrate & Vertebrate Branch 1 Registration Division (7505P)

See for

Office of Pesticide Programs

[] indicates optional language

[This label contains two sub-labels:

<u>Sub-Label A: Residential Use</u> <u>Sub-Label B: Commercial Use</u> [Sub-Label A: Residential Uses]

### ACCEPTED

04/06/2017

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 270, 2014

270-294

### Ready to Use Repel-X

Insecticide & Repellent, Ready To Use

For Use on Horses, Dogs, and Their Premises, Including Barns, Milking Parlors, and Other Animal Quarters

Kills and repels six fly species, ticks, gnats and mosquitoes

Water Based

ACTIVE INGREDIE	NT:	5
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Pyrethrins	0.05%
*Piperonyl Butoxide	
**Permethrin	
OTHER INGREDIENTS	99.35%
TOTAL	100.00%

<sup>\* (</sup>butylcarbityl) (6-propylpiperonyl) ether and related compounds.

[This product contains 0.004 lbs Pyrethrins per gallon, 0.042 lbs PBO per gallon and 0.008 lbs Permethrin per gallon.]

# KEEP OUT OF REACH OF CHILDREN CAUTION

See Back Panel For Additional Precautionary Statements.

M-F 7:00 AM - 3:45 PM MST

	NET CONTENTS(_ FL. OZ.)	
EPA Reg. No. 270-294 Batch/Lot No	EPA Est. No	_
	FARNAM COMPANIES, INC.	
1501 E. Woodfie	d Rd., Suite 200 West Schaumburg, IL 60173(602) 285-	-1660

<sup>\*\* (3-</sup>phenoxyphenyl) methyl (+/-) cis/trans 3- (2,2 dichloroethenyl) 2, 2-dimethyl cyclopropane carboxylate. cis/trans ratio: min. 35% (+/-) cis and max 65% (+/-) trans

# READ ENTIRE LABEL BEFORE EACH USE USE ONLY ON DOGS OR HORSES

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. All handlers must wear long sleeved shirt and long pants, socks and shoes. Remove and wash contaminated clothing before reuse.

For external use only. Do not use on animals under three months of age or on sick, old, debilitated or medicated pets. Do not apply to horses or foals intended for slaughter. Do Not Use on Cats. 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.

FIRST AID		
IF ON SKIN	<ul> <li>Take off contaminated clothing.</li> </ul>	
OR CLOTHING	<ul> <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>	

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of medical emergency, you may call 1-800-347-8272 24 hours a day, 7 days a week.

#### **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.

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 foraging the treatment area.

#### PHYSICAL AND CHEMICAL HAZARDS

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

KILLS AND REPELS: Stable flies, horse flies, face flies, deer flies, house flies, horn flies, mosquitoes, gnats, ticks, fleas, chiggers, and lice.

#### DIRECTIONS FOR USE

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

#### Use Restrictions

Remove animals prior to treatment. Allow treated surfaces to dry before allowing animals back into quarters treated with this product. Do not apply directly to any animals destined for milking or slaughter.

Do not use on foals under 3 months of age.

Do not contaminate water, feed or foodstuffs, milk or milking utensils.

### For use as a surface spray:

- \* Do not apply as a broadcast treatment to indoor surfaces at residential sites such as nurseries, daycare centers, schools, hospitals and nursing homes.
- 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 use.
- Do not allow adults, children, or pets to enter until sprays have dried.

#### For use as a space spray:

- 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 use.
- 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 allow adults, children, or pets to enter until vapors, mists, and aerosols have dispersed and the treated area has been thoroughly ventilated.

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.
- Do not make outdoor applications during rain.

For outdoor residential use:

- Do not water the treated area to the point of run-off.
- 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.

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. Apply at a maximum rate of 1 ounce per hundred pounds of weight. Do not spray to the point of run-off.

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, 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.

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.

TO KILL AND REPEL FLYING INSECTS IN ANIMAL QUARTERS: Use this product in horse and cattle (beef and dairy) barns, milk houses, poultry houses, swine quarters, kennels, outbuildings, pens and shelters to kills 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.

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.

Space Spraying: 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  $\times$  10 ft  $\times$  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.

Repeat treatment daily, or at intervals needed to give adequate protection.

FLEAS AND TICKS ON DOGS: Start spraying at the animal's head, avoiding the eyes and mouth as you spray. Make sure the animal's entire body is covered including the legs, underbody and tail.

While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly. Avoid contact with genitalia. Apply at the rate of 1 or 2 squeezes of the trigger sprayer [0.10 fluid ounce] per pound of body weight. For larger dogs, spray until damp, not saturated. Do not allow animals to become chilled.

Reapply as needed, but not more than once per day. Do not use on puppies under three months of age. Consult a veterinarian before using this product on debilitated, aged, medicated, pregnant, or nursing animals. **DO NOT USE ON CATS**. Sensitization may occur after using any pesticide product for pets. If signs of sensitivity occur, bath your dog with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

PET AREAS: Not to be used for broadcast treatment. To control Fleas and Brown Dog Ticks on premise: As a spot treatment, directly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and local areas of floor and floor covering. Fresh bedding should be placed in animal's quarters following treatment. Concurrent treatment of animals is recommended. Reapply every day.

To kill and repel flying insects in animal quarters: Spray in areas where insects congregate. Direct spray to contact insects for rapid knockdown and kill. Spray around outside of door facings and screens to render area unattractive to insects. This helps to repel insects and prevent entrance into building.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE**: Store in a cool, dry (preferably locked) area that is inaccessible to children and pets and away from heat, sparks, or open flames. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies.

**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.

[For information or in case of an emergency, call 1-800-347-8272 or visit our website: (URL)]

### [Sub-Label B: Commercial Uses]

### Ready to Use Repel-X

Insecticide & Repellent, Ready To Use
For Use on Horses, Dogs, and Their Premises, Including Barns, Milking Parlors, and Other
Animal Quarters

Kills and repels six fly species, ticks, gnats and mosquitoes

Water Based

#### **ACTIVE INGREDIENTS**

Pyrethrins	0.05%
*Piperonyl Butoxide	
**Permethrin	
OTHER INGREDIENTS	99.35%
TOTAL	100.00%

<sup>\* (</sup>butylcarbityl) (6-propylpiperonyl) ether and related compounds.

[This product contains 0.004 lbs Pyrethrins per gallon, 0.042 lbs PBO per gallon and 0.008 lbs Permethrin per gallon.]

# KEEP OUT OF REACH OF CHILDREN CAUTION

See Back Panel For Additional Precautionary Statements.

	NET CONTENTS	( FL. OZ.)	
EPA Reg. No. 270-294 No		EPA Est. No	Batch/Lot

FARNAM COMPANIES, INC. 1501 E. Woodfield Rd., Suite 200 West Schaumburg, IL 60173 (602) 285-1660 M-F 7:00 AM - 3:45 PM MST

<sup>\*\* (3-</sup>phenoxyphenyl) methyl (+/-) cis/trans 3- (2,2 dichloroethenyl) 2, 2-dimethyl cyclopropane carboxylate. cis/trans ratio: min. 35% (+/-) cis and max 65% (+/-) trans

# READ ENTIRE LABEL BEFORE EACH USE USE ONLY ON DOGS OR HORSES

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

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

For external use only. Do not use on animals under three months of age or on sick, old, debilitated or medicated pets. Do not apply to horses or foals intended for slaughter. Do Not Use on Cats. 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.

	FIRST AID
IF ON SKIN OR CLOTHING	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> </ul>
	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
Have the nr	oduct container or label with you when calling a poison control

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of medical emergency, you may call 1-800- 347-8272 24 hours a day, 7 days a week.

#### Personal Protective Equipment (PPE)

All applicators and other handlers must wear: Long sleeve shirt and long pants

Shoes plus socks

Water-resistant gloves

#### 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.

#### 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. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### 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.

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 foraging the treatment area.

#### PHYSICAL AND CHEMICAL HAZARDS

Do not use this product in or on electrical equipment due to the possibility of shock hazard. KILLS AND REPELS: Stable flies, horse flies, face flies, deer flies, house flies, horn flies, mosquitoes, gnats, ticks, fleas, chiggers, and lice.

#### DIRECTIONS FOR USE

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

#### Use Restrictions

- Remove animals prior to treatment. Allow treated surfaces to dry before allowing animals back into quarters treated with this product. Do not apply directly to any animals destined for milking or slaughter.
- Do not use on foals under 3 months of age.
- Do not contaminate water, feed or foodstuffs, milk or milking utensils.

#### For use as a surface spray:

- Do not apply as a broadcast treatment to indoor surfaces at residential sites such as nurseries, daycare centers, schools, hospitals and nursing homes.
- 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 use.
- Do not enter or allow others to enter until sprays have dried.

#### For use as a space spray:

- Applicator must not remain in treated area. After the 10 minute treatment period, the area should be opened and ventilated prior to reoccupation by humans or animals.
- Do not enter or allow others to enter until vapors, mists, and aerosols have dispersed and the treated area has been thoroughly ventilated.
- Do not apply this product that will contact workers or other persons either directly or through drift. Only protected handlers may be in the area during application.
- Do not make outdoor applications during rain.

For outdoor residential use:

- Do not water the treated area to the point of run-off.
- 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.
- 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.

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;
- (4) Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, 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.

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.

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. Apply at a maximum rate of 1 ounce per hundred pounds of weight. Do not spray to the point of run-off.

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, 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.

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.

TO KILL AND REPEL FLYING INSECTS IN ANIMAL QUARTERS: Use this product in horse and cattle (beef and dairy) barns, milk houses, poultry houses, swine quarters, kennels,

outbuildings, pens and shelters to kills 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).

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.

Space Spraying. 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  $\times$  10 ft  $\times$  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.

Repeat treatment daily, or at intervals needed to give adequate protection.

FLEAS AND TICKS ON DOGS: Start spraying at the animal's head, avoiding the eyes and mouth as you spray. Make sure the animal's entire body is covered including the legs, underbody and tail. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly. Avoid contact with genitalia. Apply at the rate of 1 or 2 squeezes of the trigger sprayer [0.10 fluid ounce] per pound of body weight. For larger dogs, spray until damp, not saturated. Do not allow animals to become chilled. Reapply as needed, but not more than once per day. Do not use on puppies under three months of age. Consult a veterinarian before using this product on debilitated, aged, medicated, pregnant, or nursing animals. DO NOT USE ON CATS. Sensitization may occur after using any pesticide product for pets. If signs of sensitivity occur, bath your dog with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

PET AREAS: Not to be used for broadcast treatment. To control Fleas and Brown Dog Ticks on premise: Directly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and local areas of floor and floor covering. Fresh bedding should be placed in animal's quarters following treatment. Concurrent treatment of animals is recommended. Reapply every day.

To kill and repel flying insects in animal quarters: Spray in areas where insects congregate. Direct spray to contact insects for rapid knockdown and kill. Spray around outside of door facings and screens to render area unattractive to insects. This helps to repel insects and prevent entrance into building.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE**: Store in a cool, dry (preferably locked) area that is inaccessible to children and pets and away from heat, sparks, or open flames. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies.

**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.

[For information or in case of an emergency, call 1-800-347-8272 or visit our website: (URL)]