



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

March 28, 2025

Noelle Sanfilippo
Regulatory Affairs Specialists
Farnam Companies, Inc.
1501 East Woodfield Road, 200W
Schaumburg, Illinois 60173

Subject: Label Amendment - Registration Review Mitigation for Permethrin
Product Name: Ready to Use Repel-X
EPA Registration Number: 270-294
Application Date: 1/12/21
Decision Number: 569542
Case Number: 482588

Dear Noelle Sanfilippo:

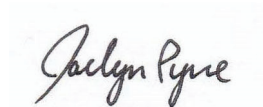
The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Permethrin Interim Decision, and has concluded that your submission is acceptable. The amended label referred to above, submitted in connection with registration under FIFRA, is acceptable.

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 Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Carolyn Smith by email at smith.carolyn@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Jaclyn Pyne". The signature is written in a cursive, flowing style.

Jaclyn Pyne, Team Leader
Risk Management and Implementation Branch 3
Pesticide Re-Evaluation Division
Office of Pesticide Programs

ENCLOSURE: Stamped label

[] indicates optional language

[This label contains two sub-labels: Sub-

Label A: Residential Use

Sub-Label B: Commercial Use]

[Sub-Label A: Residential Uses]

Ready to Use Repel-X

Alternate brand names: Repel-X Insecticide & Repellent
Dumor Equine Fly Spray
Flea Halt! Water-Base Flea & Tick Spray for Dogs Plus Citronella Scent

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*	0.50%
Permethrin**	0.10%

OTHER INGREDIENTS	99.35%
TOTAL	100.00%

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

** cis/trans ratio: min. 35% (+/-) cis and max 65% (+/-) trans

[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

EPA Est. No.

Batch/Lot No.

[Manufactured for]

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

ACCEPTED

03/28/2025

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under

EPA Reg. No. 270-294

**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 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.
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. For both indoor and outdoor use.

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.

Do not allow the product to enter indoor or outdoor drains. (No permita la entrada a desagües internos o externos.) Follow proper disposal procedures on this label. (Siga las indicaciones del etiquetado para el desecho apropiado del producto.)



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 s p r a y applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- (1) Treatment to pervious surfaces, such as soil, lawn or other vegetation;
- (2) Perimeter band treatments of 7 feet wide or less from the base of a man-made structure to pervious surfaces (e.g., soil, mulch, or lawn);
- (3) Applications to underside of eaves, soffits, doors or windows permanently protected from rainfall by a covering, overhang, awning or other structure;
- (4) Applications around potential pest entry points into man-made structures such as doorways and windows, when limited to a band not to exceed one inch;
- (5) Applications to vertical surfaces (such as the side of a man-made structure) directly above impervious surfaces (e.g., driveways, sidewalks, etc.), up to a maximum height of 2 feet above ground level;
- (6) Applications to vertical surfaces directly above pervious surfaces such as soil, lawn, turf, mulch or other vegetation, only if the pervious surface does not drain into ditches, storm drains, gutters or surface waters.

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.

To treat insects harbored in voids and cracks-and-crevices, application must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.

Spot treatments must not exceed two square feet in size (for example, 2 ft by 1 ft or 4 ft by 0.5 ft).

For soil or foliar applications, do not apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.

Do not spray the product into fish pools, ponds, streams or lakes. Do not apply directly to sewers or storm drains or to any area like a drain or 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 apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.

Do not apply or irrigate to the point of runoff.

Do not water the treated area to the point of runoff.

Do not make outdoor applications during rain. Avoid making application when rainfall is expected before the product has sufficient time to dry (minimum 4 hours).

Rainfall within 24 hours after application may cause unintended runoff of pesticide application.

Treat surfaces to ensure thorough coverage but avoid runoff.

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 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.

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 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.

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

FLEAS AND TICKS ON DOGS: Application of product on pets must only be done indoors. 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 premises: 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 local disposal options. Do not pour down the drain or sewer.

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

[Sub-Label B: Commercial Uses]

PERMETHRIN	GROUP	3A	INSECTICIDE
------------	-------	----	-------------

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*0.50%

Permethrin**0.10%

OTHER INGREDIENTS 99.35%

TOTAL 100.00%

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

** cis/trans ratio: min. 35% (+/-) cis and max 65% (+/-) trans

[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

EPA Est. No.

Batch/Lot No.

[Manufactured for]

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

**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 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.
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

Waterproof 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. For both indoor and outdoor use.

RESISTANCE-MANAGEMENT

For resistance management, Ready To Use Repel-X contains a Group 3A insecticide. Any insect population may contain individuals naturally resistant to Ready To Use Repel-X and other Group 3A insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly. Appropriate resistance-management strategies should be followed. To delay insecticide resistance, take the following steps:

- Rotate the use of Ready To Use Repel-X or other Group 3A insecticides with different groups that control the same pests.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, record keeping and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance, contact Farnam at 1-800-XXX-XXXX.

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.
- 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.
- Do not allow the product to enter indoor or outdoor drains. (No permita la entrada a desagües internos o externos.) Follow proper disposal procedures on this label. (Siga las indicaciones del etiquetado para el desecho apropiado del producto.)



All outdoor spray applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

1. Treatment to pervious surfaces, such as soil, lawn or other vegetation;
2. Perimeter band treatments of 7 feet wide or less from the base of a man-made structure to pervious surfaces (e.g., soil, mulch, or lawn);
3. Applications to underside of eaves, soffits, doors or windows permanently protected from rainfall by a covering, overhang, awning or other structure;
4. Applications around potential pest entry points into buildings, when limited to a surface band not to exceed one inch in width;
5. Applications to vertical surfaces (such as the side of a man-made structure) directly above impervious surfaces (e.g., driveways, sidewalks, etc.), up to a maximum height of 2 feet above ground level;
6. Applications to vertical surfaces directly above pervious surfaces such as soil, lawn, turf, mulch or other vegetation, only if the pervious surface does not drain into ditches, storm drains, gutters or surface waters.

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.

To treat insects harbored in voids and cracks-and-crevices, application must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.

Spot treatments must not exceed two square feet in size (for example, 2 ft by 1 ft or 4 ft by 0.5 ft).

For soil or foliar applications, do not apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.

Do not spray the product into fish pools, ponds, streams or lakes. Do not apply directly to sewers or storm drains or to any area like a drain or 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 apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.

Do not apply or irrigate to the point of runoff.

Do not water the treated area to the point of runoff.

Do not make outdoor applications during rain. Avoid making application when rainfall is expected before the product has sufficient time to dry (minimum 4 hours).

Rainfall within 24 hours after application may cause unintended runoff of pesticide application.

Treat surfaces to ensure thorough coverage but avoid runoff.

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 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).

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

FLEAS AND TICKS ON DOGS: Application of product on pets must only be done indoors. 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 local disposal options. Do not pour down-the-drain or sewer.

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