



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

March 26, 2025

Rebecca M. Horton
Consultant/Agent for
BONIDE PRODUCTS, LLC
6301 Sutliff Road
Oriskany, NY 13424

Subject: Label Amendment - Registration Review Mitigation for Permethrin
Product Name: Bonide P.C. Pest Control Spray Concentrate
EPA Registration Number: 4-350
Application Dates: February 9, 2021
Decision Number: 570645
Case Number: 00480628

Dear Rebecca M. Horton:

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 label referred to above, submitted in connection with registration under FIFRA, as amended, 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 Michelle Nolan by phone at (202) 566-2237, or via email at nolan.michelle@epa.gov.

Sincerely,

A handwritten signature in dark ink, appearing to read "Kevin Costello", is positioned above the typed name.

Kevin Costello, Branch Chief
Risk Management and Implementation Branch 2
Pesticide Re-Evaluation Division
Office of Pesticide Programs

ENCLOSURE: Stamped label

{When marketing label features commercial/agricultural use, the following Mode of Action banner will be featured}

Permethrin

GROUP

3A

Insecticide

ACCEPTED

Mar 26, 2025

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

EPA Reg. No. 4-350

TRUSTED SINCE 1926

BONIDE

P.C. PEST CONTROL SPRAY CONCENTRATE

ADDITIONAL BRAND NAME(S): Bonide Total Pest Control Concentrate; Total Pest Control Concentrate; Bonide Total Pest Control Concentrate Indoor Formula; Total Pest Control Concentrate Indoor Formula; Got Pests...get REVENGE Barn & Stable Fly Spray Concentrate;



Barn & Stable Fly Spray Concentrate, Bonide Total Pest Control Indoor
Formula Concentrate

Optional Marketing Statements:

For Use and Storage Only by Commercial Pest Control Operators

Use Inside and Out

Controls Insect Pests for up to 4 Weeks

Controls Insects on Pets as Well

Home Uses Include: Pantries, Bedding, Kitchens, Buildings, Carpets, Clothing

To Control: Roaches, Ticks, Grain Insects, Cluster Flies, Bees, Fleas, Bedbugs, Moths, Ants,
Spiders, and more.

For use on [and around] beef and dairy cattle, horses, sheep, goats, swine, poultry and dogs

For indoor and outdoor use around the farm and home

Permethrin 13.3% Concentrate

For use in livestock housing, barns, dairies, milking parlors, feedlots, stables, paddocks,
kennels, homes and more

Controls fleas, ticks, lice, mites, mosquitoes, flies, gnats, roaches, moths, beetles, ants, wasps,
yellow jackets, spiders, bedbugs and more

Controls flies, fleas, ticks, spiders and more

Carpet
Beetle

Bed
Bug

Tick

ACTIVE INGREDIENT:

*Permethrin (CAS #52645-53-1).....13.30%w/w

OTHER INGREDIENTS:**.....86.70%

TOTAL.....100.00%w/w

*Cis/trans isomers ratio: min. 35%(±)cis and max. 65%(±)trans.

**Contains petroleum distillates.

EPA Reg. No. 4-350

Oct. 2, 2024 – Permethrin IRRD Amendment

EPA Est. No. 4-NY-1

Page 1 of 11 Pages

KEEP OUT OF REACH OF CHILDREN

WARNING

See back/side/other panel(s) for additional Precautionary Statements and First Aid.

NET CONTENTS: _____

FIRST AID	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.	
If in Eyes:	<ul style="list-style-type: none">• 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.• Call a poison control center or doctor for treatment advice.
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.
If Swallowed:	<ul style="list-style-type: none">• Immediately call a poison control center or doctor.• Do not induce vomiting unless told to do so by the poison control center or doctor.• Do not give any liquid to the person.• Do not give anything by mouth to an unconscious person.
If Inhaled:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.• Call a poison control center or doctor for further treatment advice.
NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Do not get in eyes. Avoid contact with skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if swallowed. Avoid breathing vapor. Wash thoroughly after handling.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are long-sleeve shirt and long pants, shoes plus socks, protective eyewear (goggles) and chemical-resistant gloves such as barrier laminate or Viton. If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators and other handlers must wear: long-sleeve shirt and long pants, shoes plus socks, chemical-resistant gloves for all handlers except for applicators using motorized ground equipment and flaggers; chemical-resistant apron for mixers/loaders, persons cleaning equipment and persons exposed to the concentrate and for handlers performing animal dip applications.

USER SAFETY RECOMMENDATIONS

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

USER SAFETY REQUIREMENTS

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

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 the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems. This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

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

PHYSICAL AND CHEMICAL HAZARDS

Combustible! Do not use or store near heat or open flame. Flashpoint minimum of 105°F (41°C).

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.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store and transport in an upright position. Store in a cool dry area inaccessible to children or pets.

Pesticide Disposal: *If partly filled* – Do not pour or dispose down-the-drain or sewer. Call your local solid waste agency for disposal instructions.

Container Disposal: *If empty* – Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

General Precautions and Restrictions

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. Do not enter or allow others to enter until sprays have dried, vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.

[



Do not allow to enter indoor or outdoor drains.

No permita la entrada a desagües internos o externos.

]

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

- 1) Application to pervious surfaces such as soil, lawn, turf, and 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, overhand, awning, or other structure;
- 4) Applications around potential exterior 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 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.

Do not make applications during rain. Avoid making applications 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. Do not apply when windspeed is greater than 15 mph.

Spot treatments must not exceed two square feet in size (e.g., 2 ft x 1 ft or 4 ft x 0.5 ft.)

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

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 apply the product into fish pools, ponds, streams, or lakes. Do not apply directly to sewers or 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.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or for climatic modification and being grown in interior landscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

For use in non-food areas indoors and outside premises of hotels, motels, homes, preschools, nurseries, day camps, greenhouses, lathhouses, seed houses, food handling establishments, packaging and processing plants, commercial, industrial, office, institutional and storage buildings, [dairies], milk storage rooms, egg processing plants, supermarkets, restaurants, bottling plants, canneries, flour and feed mills, bakeries, and hospitals. In hospitals, patients should be removed prior to treatment. Also for use in campers, mobile homes, buses, automobiles, trucks, and boxcars. Also for use in dog kennels and horse stables. In horse stables, not for application if horses will be used for food.

Do not apply when food, feed or water is present. Do not apply this pesticide when people, pets, and/or food are present. Do not use in food/feed areas of food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed. Do not use in serving areas while food/feed is exposed or facility is in operation. Serving areas are areas where prepared foods/feed are served, such as dining rooms, but excluding areas where foods/feed may be prepared or held. Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained. In the home, cover all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed. Not for use in federally inspected meat and poultry plants. Nonfood/feed areas are areas such as garbage rooms, lavatories, entries, vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage (after canning or bottling). Food/feed areas of commercial food/feed handling establishments where the product cannot be used include areas for receiving, serving, storage (dry, cold, frozen, raw), packaging (canning, bottling, wrapping, boxing), preparing (cleaning, slicing, cooking, grinding), edible waste storage, enclosed processing systems (mills, dairies, edible oils, syrups).

Do not apply this product in hospital patient rooms while occupied or in any rooms while occupied by the elderly or infirm. Do not apply in classrooms when in use. Do not apply to institutions (including libraries, sports facilities, etc.) when occupants are present in the immediate area.

DO NOT USE THIS PRODUCT IN OR ON ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD.

For contact and residual sprays, mix with water in the following manner:

Finished Spray	Insect Control (Fluid Ounces)	Water
0.25%	2-2/3 (5-1/3 Tbsps.)	1 gallon
0.25%	2/3 (4 tsps.)	1 quart
0.50%	5½ (10-2/3 Tbsps.)	1 gallon
0.50%	1-1/3 (8 tsps.)	1 quart

For heavy infestations, use the 0.50% dilution. For lighter infestations and for maintenance purposes, use the 0.25% dilution.

One gallon of finished spray is sufficient to treat 1,580 linear feet with a 6 inch spray band.

For resistance management, this product contains a Group 3A insecticide. Any insect/mite population may contain individuals naturally resistant to this product and other Group 3A insecticides/acaricides. The resistant individuals may dominate the insect/mite population if this

group of insecticides/acaricides are used repeatedly on the same livestock. Appropriate resistance-management strategies should be followed. To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of this product or other Group 3A insecticides/acaricides within a season with different groups that control the same pests.
- Use tank mixtures with insecticides/acaricides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides 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 or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.

Indoor Pest Control

For residual and contact control of cockroaches (waterbugs), crickets, silverfish (firebrats), clover mites, millipedes, centipedes, earwigs, sowbugs (pillbugs), spiders, brown dog ticks, lone star ticks, ants, fire ants, clothes moths, carpet beetles, fleas, boxelder bugs, scorpions, spider beetles, bedbugs, grasshoppers, house flies, mosquitoes, gnats, fruit flies, cluster flies, flying moths, confused flour beetles, saw-toothed grain beetles, shiny spider beetles, grain mites, red flour beetles, angoumois grain moths, grain weevils, Indian meal moths, Mediterranean flour moths, lesser grain borers, cigarette beetles, drug store beetles, chocolate moths. Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards and storage areas. Spray directly on insects where possible.

For Bedbugs: Apply as a spot treatment to cracks and crevices, around baseboards, floorboards, bedboards and walls. First, thoroughly clean and air mattresses and springs. Then spot treat only areas that may harbor bedbugs, concentrating on tufts, folds and seams. Allow all treated

articles to dry thoroughly before use. Cover mattress with mattress cover or sheet before use. Do not apply to pillows or bed linens.

Grain Insects: To control confused flour beetles, saw-toothed grain beetles, spider beetles, shiny spider beetles, grain mites, red flour beetles, angoumois grain moths, grain weevils, Indian meal moths, Mediterranean flour moths, lesser grain borers, cigarette beetles, drug store beetles, chocolate moths, carpet beetles – remove infested grain, cereal or flour and destroy. Avoid contamination of other food and foodstuffs in the areas by removing before spraying. Spray directly on exposed stages and into cracks and crevices where grain insects may be hiding. In homes, dispose of all infested products. The shelves and drawers should be cleaned and thoroughly sprayed so as to contact all pests, and covered with shelf paper after allowing shelves to dry. Any utensils that are contacted with spray should be washed before using.

Spiders: Spray directly on these pests and to the webbing and all cracks and crevices which harbor spiders.

Ants: To kill ants, spray trails, nests and points of entry within buildings and homes. Spray directly on ants where possible.

Wasps, Hornets, Yellow Jackets, Bees, Indoors: Application should be made in the late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible.

House Flies, Mosquitoes, Cluster Flies, Gnats, Fruit Flies, Flying Moths: Close off all doors and windows. Point sprayer upward. Direct spray mist to all parts of the room, especially windows and other light sources which may attract these insects. Fill the room with mist, then leave the treated area. Keep the room closed for at least 15 minutes. Do not remain in treated room. Ventilate the room when treatment is completed.

Carpet Beetles and Clothes Moths: To treat carpets – hold sprayer 14-18 inches from carpet. Apply spray evenly, covering the entire surface until slightly moist. Spray underside of carpet when possible. Avoid wetting or soaking. To treat Garments, Blankets, Carpets and Other Fabrics Before Storage – Dry clean or wash before treatment and after storage. Apply spray evenly, covering the material on both sides until slightly moist. For best results, place treated materials in plastic bags after drying, and store in a dark place. Also spray floor and baseboards, closets, cracks, crevices, infested areas of shelving and/or wherever these insects are seen or suspected.

NOTE: When treating upholstery, carpeting, fabric, or finely finished surfaces, apply to an inconspicuous area first to observe any possible adverse reaction.

Outdoor Pest Control

Pests on Outside Surfaces of Buildings: Use this product to control ants, clover mites, crickets, earwigs, millipedes and sowbugs (pillbugs) on the outside surfaces of buildings. To help prevent infestation of buildings, treat the building foundation to a height of 2 to 3 feet where pests are and may find entrance. Also, apply as a spot treatment to outside surfaces of buildings, including porches, screens, window frames, eaves, patios, garages, refuse dumps, and other areas where these pests congregate or have been seen.

House Flies, Mosquitoes, Cluster Flies, Gnats, Flying Moths, Outdoors: For outdoor use only as an aid in reducing annoyance from these insects. Spray outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where these insects alight or congregate.

DIRECTIONS FOR USE IN OUTDOOR RESIDENTIAL MISTING SYSTEMS:

When using this product, installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s) or local authority(ies) where

they are installed. Do not use in an evaporative cooling system. Do not use in misters located within 3 feet of air vents, air conditioner units, or windows.

Direct nozzles to spray toward the target area and away from swimming pools, water bodies, eating and cooking areas, or from areas where people are typically present. Do not set nozzles to direct mist near outside air condition systems or other home air intakes. Contact the system manufacturer for guidance or assistance to ensure compliance with the following requirement: This product may only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.25 grams per 1,000 cubic feet per day – equivalent to 0.69 fl. oz. of product (diluted 1 part concentrate with 21 parts of water) per 1,000 cu. ft. per day.

If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: This container holds 1 part BONIDE P.C. Pest Control Spray Concentrate to 21 parts water.

If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.

When applying via a remote activation device, do not apply when people, pets, or food are present. If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present.

Ants, Deer and Lone Star Ticks, Crickets, Fleas, and Earwigs, Outdoors: For treatment of localized infestations of these insects in outdoor areas [including lawns] where there are weeds or bushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways.

Wasps, Hornets, Yellow Jackets, Bees, Outdoors: Application should be made in late evening when insects are at rest. Aim spray at nest openings in ground, bushes, [lawns] and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible.

To Control Fire Ants: Dilute 2 tablespoons of this product in 1 gallon of water. Apply 1 gallon of solution as a gentle rain to each fire ant mound using a sprinkler can. Thoroughly wet the mound and surrounding area to a 4 foot diameter. For best results, apply in cool weather, 65 – 80°F, or in early morning or late evening hours. Treat new mounds as they appear. Do not disturb the mound prior to treatment. If possible, treat all mounds in the vicinity, and treat all colonies which may not as yet have constructed a mound. Larger quantities of solution can be prepared for multiple mound treatments. Equipment to deliver the diluted product as a gentle rain at the rate of 1 gallon per mound is still required. Do not use equipment that produces a pressurized spray as pressurized sprays may disturb fire ants and cause migration, reducing product effectiveness.

INSTRUCTIONS FOR USE ON ANIMALS AND ANIMAL PREMISES

CATTLE BARNS, SWINE HOUSES, MILK ROOMS, KENNELS, POULTRY HOUSES, HORSE BARNS, DAIRIES, MILKING PARLORS, FEED LOTS, STABLES, PADDOCKS.

When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.

For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 25 parts water (5.5 ounces per gallon) (0.5%). For normal infestations dilute 1 part concentrate in 133 parts water (1.0 ounces per gallon) (2 tablespoons per gallon) (0.1%).

REFERENCE CHART		
PESTS	DILUTIONS	HOW TO APPLY
PESTS ON FARM PREMISES (Barns, Dairies, Loafing Sheds, Milking Parlors, Feedlots, Stables, Paddocks, and Livestock Housing)		
Horseflies, Stableflies, Lesser Houseflies, and other Manure Breeding Flies, Fleas, Lice, Mites, Ticks, including Deer Tick. Aids in control of Cockroaches, Mosquitoes, and Spiders.	Dilute 8 oz. in 8.25 gal. water. Dilute 1 pt. in 16.5 gal. water. Dilute 1 qt. in 33 gal. water.	Spray walls and surfaces to the point of runoff, about 1 gal. per 750-1000 sq. ft. Treat no more than once every 2 weeks. Do not contaminate animal's feed or water by spray. Do not use in milk rooms.
PESTS ON DOG PREMISES (Kennels, Dog Houses, Runs and Yards)		
Fleas, Flies, Lice and Mange Mites (adult and larvae)	Dilute 8 oz. in 8.25 gal. water. Dilute 1 pt. in 16.5 gal. water. Dilute 1 qt. in 33 gal. water.	Thoroughly wet pet's bedding or resting areas to runoff. Most efficient pest control is accomplished when heavy pressure and good contact is achieved. Timing and frequency of applications should be based on pest populations reaching nuisance levels, but accompanying manure removal and sanitation practices should precede sprays. Do not spray feed, food, or water. Repeat as needed but not more often than once every two weeks.
PESTS IN CATTLE BARNS, HORSE BARNS, SWINE HOUSES, KENNELS, MILKING PARLORS, MILK ROOMS, DAIRIES, POULTRY HOUSES, FEEDLOTS, STABLES, AND PADDOCKS.		
Flies, Mosquitoes and Gnats	Dilute 8 oz. in 8.25 gal. water. Dilute 1 pt. in 16.5 gal. water. Dilute 1 qt. in 33 gal. water.	FOG OR FINE MIST: Apply, directing the spray toward the ceiling and upper corners until the area is filled with mist. Apply as a fog or mist, directing the nozzle for maximum coverage of area. Use about 2 oz. per 1000 cubic feet of space. For best results, close doors and windows before spraying and keep closed for ten to fifteen min. Vacate the treated area and ventilate before reoccupying. Repeat as needed but not more than once every two weeks. FOR USE THROUGH AUTOMATIC SPRAYING SYSTEMS: Do not program

		automatic spraying system to release pesticides where people, animals, food or feed are directly exposed. Do not install within three (3) feet of air ducts. Refer to system user manual for specific instructions. Dilute as directed. Dispense diluted concentrate through automatic spraying system. Set nozzles to deliver two (2) ounces per 1,000 cubic feet of space. Set timer to operate in accordance with equipment directions.
PESTS ON LARGE ANIMALS (Dairy or Beef Cattle, Horses, Sheep, and Goats)		
Faceflies, Hornflies, Horseflies, Ear Ticks	Dilute 8 oz. in 6.5 gal. oil. Dilute 1 pt. in 13 gal. oil. Dilute 1 qt. in 26 gal. oil.	BACK RUBBER: Recharge backrubber as needed. Spray lactating dairy cows only after milking is completed.
Faceflies, Hornflies, Stableflies, Mosquitoes, Lice, Mites, Ticks, including Deer Tick	Dilute 8 oz. in 66.5 gal. water. Dilute 1 pt. in 133 gal. water. Dilute 1 qt. in 266 gal. water.	Spray to thoroughly cover entire animal. For Lice or Mites, a second treatment is recommended 14-21 days later. Spray lactating dairy cows only after milking is completed.
Hornflies, Faceflies, Stableflies, Ear Ticks	Dilute 2 oz. in 1.3 gal. water. Dilute 1 pt. in 3.3 gal. water	SPOT TREATMENT – LOW PRESSURE SPRAY – Apply ½ oz. per ear or 2-4 oz. on face or 12-16 oz. along the backline.
PESTS ON SWINE AND POULTRY (Do not ship swine for slaughter within 5 days of last treatment.)		
Mange Mites	Dilute 8 oz. in 33 gal. water. Dilute 1 pt. in 66 gal. water. Dilute 1 qt. in 132 gal. water.	Spray, dip or sponge animals. Repeat after 14 days, spraying walls and floor space and bedding to kill late hatching, developing stages.
Blowflies, Flies, Mosquitoes, Hog Lice, Ticks, including Deer Ticks	Dilute 8 oz. in 33 gal. water. Dilute 1 pt. in 66 gal. water. Dilute 1 qt. in 132 gal. water.	Spray, dip or sponge to apply 1 pt. per pig, especially around ears.
Poultry Mites, Northern Fowl Mites, and Lice	Dilute 8 oz. in 16.5 gal. water. Dilute 1 pt. in 33 gal. water. Dilute 1 qt. in 66 gal. water.	Spray at the rate of ½ oz. per bird, or 1 gal. per 100 birds, with a fine mist. Spray roosts, walls and nests or cages.
PESTS ON DOGS (READ ENTIRE LABEL BEFORE EACH USE. USE ONLY ON DOGS. DO NOT USE ON CATS OR KITTENS.) Do not repeat treatment for seven (7) days. Do not use on puppies under twelve (12) weeks. Consult a veterinarian before using this product on debilitated, aged, pregnant, nursing or medicated animals. Application of product on pets must only be done indoors.		
Fleas, Ticks, including Deer Tick, Lice and Mange	Dilute 8 oz. in 16.5 gal. water. Dilute 1 pt. in 33 gal. water. Dilute 1 qt. in 66 gal. water.	Thoroughly wet the animal by dipping, sponging or spraying. Allow animal to dry in a warm place without rinsing or toweling. Gives long lasting protection against reinfestation. Apply at intervals of 2 to 3 weeks. 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. In case

		of an emergency, call 1-800-548-2423 (Animal Poison Control Center).
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Note: Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, Seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, Seller's liability for default, breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, Seller shall have no liability for consequential damages.

For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

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