

2724-709

6/19/2013

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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

6-19-13

James McFadden
Wellmark International
1501 E. Woodfield Rd
Suite 200W
Schaumburg, IL 60073

Subject: Amended Reregistration Label
Product Name: Elite Quick-Kill Spray Concentrate
EPA Registration Number: 2724-709

Dear Mr. 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 pyrethrin and pbo RED(s), and has concluded that your submission is acceptable.

NOTE: This product is not being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label or durably marked on the container itself, and can be added by non-notification per PRN 98-10.

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 Any previously dated CSFs are superseded.

- Basic CSF, 6-29-12

A copy of your label stamped "Accepted" is enclosed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

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If you have any questions about this letter, please contact either Erik Kraft at (703-308-9358) or via email at Kraft.Erik@epa.gov or Richard J. Gebken at (703) 305-6701 or via e-mail at Gebken.Richard@epa.gov.

Sincerely yours,



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

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SUBLABEL A – OCCUPATIONAL USE

[] indicates optional text

ELITE QUICK-KILL SPRAY CONCENTRATE

An insecticide spray concentrate

For use in food processing and storage, hospitals, hotels, motels, restaurants, and other institutions, and in residences

Also for use in automatic insect control systems

Contains Pyrethrins, a botanical insecticide

Contains Pyrethrins combined with Piperonyl Butoxide to give rapid [flush-out and] knockdown

Pyrethrins rapidly [flush out] and knocks down bugs [roaches][listed insects] from cracks & crevices [their hiding places]

Formulated to [provide fast and effective] kill of listed crawling and flying insects [pests]

Fast knockdown formula

Kills fleas, roaches, ants, spiders, ticks

Kills ticks [including Lone Star ticks, deer ticks, black legged ticks][including ticks which may carry Lyme disease]

Kills Cockroaches [including American cockroach, Oriental cockroach, and German cockroach], fleas, scorpions, termites, ticks, bedbugs, spiders {including black widow, brown (recluse or violin), hobo and funnel web}, ants (including Pharaoh, carpenter, fire ant), flies, mosquitoes, wasps and yellow jackets

Kills mosquitoes that may carry West Nile virus

Kills [on contact][fast]

Dilute with Water for Use on Residential Vegetable and Ornamental Plants and Shade Trees

Kills Gypsy Moth Caterpillars and Japanese Beetles

Controls Listed Crawling and Flying Insects on Porches and Patios, In and Around Garages and Around the Yard

Quick-Acting- Leaves No Harmful Residues

Acceptable for Use to Day of Harvest on Edible Plants

ACTIVE INGREDIENTS:

Pyrethrins..... 3%

Piperonyl Butoxide* 30%

OTHER INGREDIENTS:** 67%

Total 100%

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

**Contains petroleum distillates.

**KEEP OUT OF REACH OF CHILDREN
WARNING**

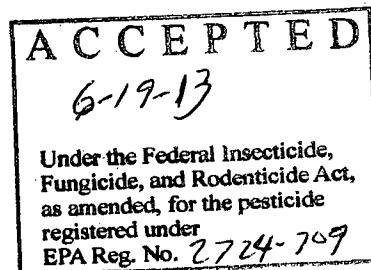
See Rear Panel For Additional Precautions

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 climatic modification and being grown in interior landscapes, ornamental gardens or parks, or on golf courses, or lawns and grounds.

EPA Reg. No. 2724-709

EPA Est. No.

NET CONTENTS fl oz



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PRECAUTIONARY STATEMENTS

WARNING

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist.

Personal Protective Equipment (PPE):

When handling concentrate, wear goggles or face shield.

Mixers, loaders, applicators, and other handlers must wear the following:

Long-sleeve shirt,

Long pants,

Shoes and socks

Chemical resistant gloves (such as barrier laminate, nitrile or neoprene rubber, or viton, selection category E)

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 material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

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.

FIRST AID

IF ON SKIN OR CLOTHING:

- 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 IN EYES:

- 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.

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Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information.

NOTE TO PHYSICIAN: Contains petroleum distillate- vomiting may cause aspiration pneumonia.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. This product 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

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are actively visiting the treatment area. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

RESTRICTIONS

Do not remain in treated area. Exit area immediately and remain outside the treated area until mists have dispersed.

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

Do not wet articles to point of runoff or drip. Do not use treated article until spray has dried.

Remove or cover exposed food and drinking water before application. Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces, or wash them before use.

Do not use in aircraft cabins except in compliance with PR Notice 96-3.

Do not make space spray application when food handling and processing facilities are in operation.

Prior to space spray applications, cover or remove food and cover food processing surfaces or clean after treatment and before use.

The maximum use rate as a surface spray (except in edible product areas of federally inspected meat and poultry plants) is 8.5 fl oz per gallon to be sprayed over an area of 750 sq ft (25' x 30').

In edible product areas of federally inspected meat and poultry plants, the maximum rate is 4.3 fl oz per gallon to be sprayed over an area of 750 sq ft (25' x 30'). Do not apply more than one time per day.

For use in and around: Animal areas & quarters, animal shelters, animal control centers, apartments, arcades, attics, auditoriums, bakeries, beverage plants, bars, basements, bathrooms, boats, bottling plants, breweries, brewery warehouses, buildings, buses, cabins, cabinets, cafeterias, campers, canneries, churches, city missions, circus tents, closets, club houses, commercial buildings, communication centers, condominiums, concession stands, court houses, crawlspaces, crematoriums, day care centers, delicatessens, department stores, diners, dog houses, drug stores, dumpsters, dwellings, egg processing plants, factories, freight containers, fruit packing sheds, funeral parlors, garbage bins, garbage cans, garbage compactors, garbage trucks, gas stations, grain elevators, grain harvesting & handling equipment, garages, grain mills, granaries, grocery stores, homes, horse stables & barns, horse trailers, hospices, hospitals, hotels, indoor eating establishments, industrial installations, institutional dining areas, institutions, jails, kennels, laboratories, laundromats, lavatories, libraries, liquor stores, locker rooms, marinas, mausoleums, meat packing plants, mess halls, mini-storages, mobile canteens, mobile homes, morgues, mortuaries, motels, movie theaters, museums, nursing homes, office buildings, other public buildings, parking garages, pool halls, prisons, private residences, public storage, railroad cars, recreational vehicles, research animal quarters, restaurants, retail stores, rice mills, schools, ships, ship holds, smoke shops, sports stadiums, stables, storage bins (areas), stored food in multi-walled paper or cloth bags, stores, supermarkets, taverns, textile mills & warehouses, theaters, tobacco factories, tobacco warehouses, tool sheds, trains, transportation equipment, trucks, truck trailers, tunnels, utilities, utility rooms, false ceilings, vending machines, veterinary hospitals, wall & equipment voids, warehouses, washrooms, wholesale stores, wine cellars, wineries, and zoos.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handled may be in the area during application.

To prepare dilutions, first, stir the concentrate or agitate well. Add the required amount of concentrate to water and blend thoroughly. This will produce a stable micro-emulsion. For maximum effectiveness, use a combination of localized surface application and space treatment.

**INDOORS
AS A SURFACE SPRAY**

For initial cleanup of severe insect infestation, dilute at a rate of 1 part concentrate in 14 parts water (8.5 fluid ounces per gallon). This dilution may not be used in edible product areas of Federally inspected meat and poultry plants. In these plants and for normal infestations, dilute 1 part concentrate in 29 parts water (4.3 fluid ounces per gallon).

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

To kill carpet beetles: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, closets, and infested areas of shelving.

To kill fleas, and brown dog ticks: Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames and

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localized areas of floor and floor coverings. Place fresh bedding in animal quarters following treatment. Do not apply this product directly on pets. For best results, also treat dogs and cats with a flea and tick product labeled for use on dogs and cats.

To kill bed bugs: Dilute at a rate of 1 part concentrate in 14 parts water (8.5 fluid ounces per gallon). Remove linens and wash before reuse. Spray mattresses lightly, particularly around tufts, folds and edges. Apply to the interior of the frame. Allow to dry before remaking bed.

AS A SPACE SPRAY

In the home, cover or remove food processing surfaces or thoroughly wash before reuse. Cover or remove exposed food.

Dilute at a rate of 1 part concentrate to 59 parts water (2 fluid ounces per gallon). Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems.

For rapid control of exposed stages of **adult house flies, fruit flies, gnats, mosquitoes, skipper flies, wasps, hornets, Angoumois grain moths, Mediterranean flour moths, Indian meal moths** and **tobacco moths:** Direct spray at an upward angle distributing it uniformly through the entire area at a rate of 1 ounce per 1000 cubic feet of space. Keep area closed for at least 10 minutes. Ventilate and sweep up dead insects before reoccupying.

For rapid kill of **exposed or accessible stages of other insects named on this label,** dilute 1 part concentrate in 5-29 parts water (4 to 25 fluid ounces per gallon). Apply using conventional, mechanical, or compressed air equipment (non-thermal) following directions for space spraying. Apply the above dilutions at a rate of from 1 to 10 ounces per 1000 cubic feet of space.

FOR USE IN FOOD PROCESSING PLANTS

When used in meat and poultry processing plants, a dilution of no less than 1 to 5 is acceptable and it must be dispersed from equipment adjusted to deliver an aerosol spray (no droplets over 5 microns in diameter and 80% less than 30 microns.). Do not apply as a space spray while food processing is underway. Do not apply at any time as an undiluted space spray in edible product areas of federally inspected meat and poultry plants. Cover or remove foods before treatments. Thoroughly wash all food processing surfaces before reuse. Wash All surfaces in processing areas and rinse in water after spraying.

OUTDOORS (for Residential Lawn & Garden Use Only)

USE RESTRICTIONS

Do not make applications during rain. Do not water the treated area to the point of runoff.

Do not wet plants to point of runoff or drip.

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.

The maximum use rate is 1 fl oz per gallon to be sprayed over an area of 750 sq ft (25' x 30').

Use outdoors and in residential green houses throughout the growing season or as a preharvest treatment when other insecticides are prohibited due to residue restrictions and use limitations.

Combine 1 fl oz of concentrate per 1 gallon of water.

To kill adult Wasps & Hornets and Yellow Jackets: Apply at dusk when insects are at rest. Spray liberally into hiding and breeding places contacting as many insects as possible. Repeat if necessary.

To Kill Spiders: Spray directly on spiders and webs. Repeat if necessary.

To kill **palmetto bugs, earwigs, sowbugs, centipedes, millipedes, crickets, silverfish, and clovermites:** Spray thoroughly into hiding places such as spigots, storage areas, and sheds. Spray directly on insects where possible. Repeat treatment if necessary.

To kill **mosquitoes, gnats (midges), houseflies, biting flies, and small flying moths (millers):** Apply spray to shrubs, bushes, and grassy areas. Spray these areas with a slow sweeping motion while moving away from the treated area. To reduce annoyance from these flying insects, treat open porches and patios in a similar manner. For best results, spray when air is still. Allow spray to dissipate before occupying the treated area. Repeat if necessary.

To Kill exposed **Termites and Carpenter Ants:** (localized only) Dilute 1 fl oz of concentrate per gallon. Apply to voids or channels in damaged wood of a structure, or to cracks, crevices, and spaces in and between wooden portions of a structure or between wood and the foundation, in locations vulnerable to attack such as crawlspaces. Retreat if needed but not more than once per week.

For Termites, the purpose of such applications is to kill workers or winged forms, which may be present in the treated areas at the time of application. Not recommended as sole protection against termites. For active infestations, get a professional inspection. Such applications are not a substitute for mechanical alteration, soil treatment, or foundation treatment but are merely a supplement. For active termite infestation, contact a professional pest control operator in your area.

ORNAMENTALS, TREES, SHRUBS, AND ROSES

Combine 1 fl oz of concentrate per 1 gallon of water. Apply as a fine mist, spraying plants on the upper and lower leaf surfaces to ensure thorough coverage.

INSECTS CONTROLLED: Aphids (red, black, and green peach), bagworms, thrips, Eastern and forest tent caterpillars, flea beetles, gypsy moth caterpillars and adults, Japanese beetles, lace bugs, leafhoppers, leaf rollers, leaf tiers, mimosa webworm larvae, plant bugs and whiteflies. Repeat treatment weekly, or as needed to control infestations.

On Trees and Shrubs: Treat trees and shrubs as soon as insects emerge (usually late spring). Treat leaves, branches, and tree trunks evenly making sure to penetrate dense foliage. Repeat application every 7 days as necessary for control.

On Roses and Flower Gardens: Treat plants and flowers as soon as insects appear. Spray on plants and flowers making sure to penetrate dense foliage. Repeat application every 7 days or as necessary for control.

VEGETABLES

Combine 1 fl oz of concentrate per 1 gallon of water. Apply as a fine mist, spraying plants on the upper and lower leaf surfaces to ensure thorough coverage.

INSECTS CONTROLLED: Aphids, asparagus beetles, blister beetles, cabbage loopers, Colorado potato beetles, cross-striped cabbage worms, diamondback caterpillars, flea beetles, green peach aphids, harlequin bugs, imported cabbage worms, Japanese beetles,

leafhoppers, leaf tiers, Mexican bean beetles, stink bugs, 12-spotted cucumber beetles, webworms, and whiteflies.

On **Asparagus, beans, broccoli, brussels sprouts, cabbage, cauliflower, celery, collards, cranberries, cucumbers, eggplant, kale, lettuce, melons, mustard greens, peppers, potatoes, radishes, spinach, squash, sweet corn, tomatoes and turnips.** Treat plants as soon as insects appear. Spray on plants and flowers making sure to penetrate dense foliage. Repeat application every 7 days or as necessary for control.

**ON HORSES, DAIRY AND BEEF CATTLE:
USE RESTRICTIONS**

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.

The maximum application rate is obtained by dilution of 1 part concentrate with 119 parts water for horn flies/house flies/mosquitoes/gnats. The maximum application rate is obtained by dilution of 1 part concentrate with 29 parts water for stable, horse and deer flies.

To Kill **Horn Flies, Houseflies, Mosquitoes and Gnats**, dilute at the rate of 1 part concentrate to 119 parts water (1 fluid ounce per gallon) and apply to wet the hair thoroughly with particular attention to the topline, underline, flanks, withers and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or as needed when flies are emerging in large numbers.

TO Kill **Stable Flies, Horse Flies and Deer Flies**, dilute 1 part concentrate to 29 parts water (4.3 fluid ounces per gallon) and apply a quart per adult animal to wet the hair thoroughly with particular attention to the legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment each week or as needed.

**IN KENNELS, BARN. MILKING PARLORS. MILKROOMS, DAIRIES AND POULTRY HOUSES:
FOR USE IN OVERHEAD AUTOMATIC INSECT CONTROL SYSTEMS
USE RESTRICTIONS:**

Not for use in outdoor residential misting systems (indoor or outdoor). Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained. Do not apply when food, feed, and/or water is present.

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.

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

Direct nozzles to spray towards the target area and away from areas where people are typically present.

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.

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 ____ parts {product name} to ____ 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.

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This product must only be used in systems that have been calibrated to apply no more than the maximum application rate. The maximum application rate is obtained by dilution of 1 part concentrate with 29 parts water.

To Kill exposed stages of **Houseflies, Horse Flies, Stable Flies, Deer Flies, Ants, Roaches, Fleas, Ticks, Gnats** and **Mosquitoes**, depending on the severity of infestation, treat with 0, 1, 0.075, 0.067 or 0.05% pyrethrins by diluting with clean water as follows:

- 0.1% 1 part concentrate to 29 parts water,
- 0.075% 1 part concentrate to 39 parts water.
- 0.067% 1 part concentrate to 44 parts water
- 0.05% 1 part concentrate to 59 parts water

Mix well and set nozzles to deliver 1 ounce liquid per minute or 0.5 ounce per 30 seconds. Locate nozzles to cover a maximum of 2000 cubic feet of space. Set timer to operate 2 to 6 one-minute [4-12 30-second] cycles per 24 hour period, depending on the severity of infestation.

Do not use these systems in nurseries or rooms where infants, the ill or aged persons are confined. Do not install directly above or within 12 feet of any food handling or food dispensing area. Metering devices must be timed not to dispense while food processing is underway. Foods must be removed or covered during treatment. All food processing surfaces must be covered during treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse before using. Do not install within 3 feet of air ducts. Do not use in public places while customers or workers are present. Timers must be set to dispense only during non-business hours. Carefully follow directions for the dispenser unit when installing the dispenser and replacing cans or conducting maintenance.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Store in a cool, dry area away from heat or open flame.

CONTAINER DISPOSAL: 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.

To the extent consistent with applicable law, Seller makes no warranty, expressed or implied, concerning the use and handling of this product other than indicated on the label. To the extent consistent with applicable law, Buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

Wellmark International
1501 East Woodfield Road 200W
Schaumburg, Illinois 60173
[URL]
Made in USA

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SUBLABEL B – RESIDENTIAL USE

[] indicates optional text

ELITE QUICK-KILL SPRAY CONCENTRATE

An insecticide spray concentrate
For use in residences

Also for use in automatic insect control systems

Contains Pyrethrins, a botanical insecticide

Contains Pyrethrins combined with Piperonyl Butoxide to give rapid [flush-out and] knockdown
Pyrethrins rapidly [flush out] and knocks down bugs [roaches][listed insects] from cracks & crevices [their
hiding places]

Formulated to [provide fast and effective] kill of listed crawling and flying insects [pests]

Fast knockdown formula

Kills fleas, roaches, ants, spiders, ticks

Kills ticks [including Lone Star ticks, deer ticks, black legged ticks][including ticks which may carry Lyme
disease]

Kills Cockroaches [including American cockroach, Oriental cockroach, and German cockroach], fleas,
scorpions, termites, ticks, bedbugs, spiders {including black widow, brown (recluse or violin), hobo and
funnel web}, ants (including Pharaoh, carpenter, fire ant), flies, mosquitoes, wasps and yellow jackets

Kills mosquitoes that may carry West Nile virus

Kills [on contact][fast]

Dilute with Water for Use on Residential Vegetable and Ornamental Plants and Shade Trees

Kills Gypsy Moth Caterpillars and Japanese Beetles

Controls Listed Crawling and Flying Insects on Porches and Patios, In and Around Garages and Around the
Yard

Quick-Acting- Leaves No Harmful Residues

Acceptable for Use to Day of Harvest on Edible Plants

ACTIVE INGREDIENTS:

Pyrethrins 3%

Piperonyl Butoxide* 30%

OTHER INGREDIENTS:** 67%

Total 100%

*(butylcarbityl) (6-propylpiperonyl) ether and related compounds.
**Contains petroleum distillates.

KEEP OUT OF REACH OF CHILDREN
WARNING
See Rear Panel For Additional Precautions

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NET CONTENTS fl oz

PRECAUTIONARY STATEMENTS

WARNING

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

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
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
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Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information.	
NOTE TO PHYSICIAN: Contains petroleum distillate- vomiting may cause aspiration pneumonia.	

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or runoff 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 runoff to water bodies or drainage systems. This product 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.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

RESTRICTIONS

Do not allow adults, children, or pets to enter the treated area until sprays have dried and mists have dispersed and the treated area has been thoroughly ventilated.

Do not remain in treated area. Exit area immediately and remain outside the treated area until mists have dispersed.

Do not wet articles to point of runoff or drip. Do not use treated article until spray has dried.

Remove or cover exposed food and drinking water before application. Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces, or wash them before use.

The maximum use rate as a surface spray is 8.5 fl oz per gallon to be sprayed over an area of 750 sq ft (25' x 30'). Do not apply more than one time per day.

For use in and around: Animal areas & quarters, animal shelters, animal control centers, apartments, arcades, attics, auditoriums, bakeries, beverage plants, bars, basements, bathrooms, boats, bottling plants, breweries, brewery warehouses, buildings, buses, cabins, cabinets, cafeterias, campers, canneries, churches, city missions, circus tents, closets, club houses, commercial buildings, communication centers, condominiums, concession stands, court houses, crawlspaces, crematoriums, day care centers, delicatessens, department stores, diners, dog houses, drug stores, dumpsters, dwellings, egg processing plants, factories, freight containers, fruit packing sheds, funeral parlors, garbage bins, garbage cans, garbage compactors, garbage trucks, gas stations, grain elevators, grain harvesting & handling equipment, garages, grain mills, granaries, grocery stores, homes, horse stables & barns, horse trailers, hospices, hospitals, hotels, indoor eating establishments, industrial installations, institutional dining areas, institutions, jails, kennels, laboratories, laundromats, lavatories, libraries, liquor stores, locker rooms, marinas, mausoleums, meat packing plants, mess halls, mini-storages, mobile canteens, mobile homes, morgues, mortuaries, motels, movie theaters, museums, nursing homes, office buildings, other public buildings, parking garages, pool halls, prisons, private residences, public storage, railroad cars, recreational vehicles, research animal quarters, restaurants, retail stores, rice mills, schools, ships, ship holds, smoke shops, sports stadiums, stables, storage bins (areas), stored food in multi-walled paper or cloth bags, stores, supermarkets, taverns, textile mills & warehouses, theaters, tobacco factories, tobacco warehouses, tool sheds, trains, transportation equipment, trucks, truck trailers, tunnels, utilities, utility rooms, false ceilings, vending machines, veterinary hospitals, wall & equipment voids, warehouses, washrooms, wholesale stores, wine cellars, wineries, and zoos.

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 spraying.

To prepare dilutions, first, stir the concentrate or agitate well. Add the required amount of concentrate to water and blend thoroughly. This will produce a stable micro-emulsion. For maximum effectiveness, use a combination of localized surface application and space treatment.

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**INDOORS
AS A SURFACE SPRAY**

For initial cleanup of severe insect infestation, dilute at a rate of 1 part concentrate in 14 parts water (8.5 fluid ounces per gallon). This dilution may not be used in edible product areas of Federally inspected meat and poultry plants. In these plants and for normal infestations, dilute 1 part concentrate in 29 parts water (4.3 fluid ounces per gallon).

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

To kill carpet beetles: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, closets, and infested areas of shelving.

To kill fleas, and brown dog ticks: Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames and localized areas of floor and floor coverings. Place fresh bedding in animal quarters following treatment. Do not apply this product directly on pets. For best results, also treat dogs and cats with a flea and tick product labeled for use on dogs and cats.

To kill bed bugs: Dilute at a rate of 1 part concentrate in 14 parts water (8.5 fluid ounces per gallon). Remove linens and wash before reuse. Spray mattresses lightly, particularly around tufts, folds and edges. Apply to the interior of the frame. Allow to dry before remaking bed.

AS A SPACE SPRAY

In the home, cover or remove food processing surfaces or thoroughly wash before reuse. Cover or remove exposed food.

Dilute at a rate of 1 part concentrate to 59 parts water (2 fluid ounces per gallon). Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems.

For rapid control of exposed stages of **adult house flies, fruit flies, gnats, mosquitoes, skipper flies, wasps, hornets, Angoumois grain moths, Mediterranean flour moths, Indian meal moths and tobacco moths:** Direct spray at an upward angle distributing it uniformly through the entire area at a rate of 1 ounce per 1000 cubic feet of space. Keep area closed for at least 10 minutes. Ventilate and sweep up dead insects before reoccupying.

For rapid kill of **exposed or accessible stages of other insects named on this label,** dilute 1 part concentrate in 5-29 parts water (4 to 25 fluid ounces per gallon). Apply using conventional, mechanical, or compressed air equipment (non-thermal) following directions for space spraying. Apply the above dilutions at a rate of from 1 to 10 ounces per 1000 cubic feet of space.

**OUTDOORS (for Residential Lawn & Garden Use Only)
USE RESTRICTIONS**

Do not make applications during rain. Do not water the treated area to the point of runoff. Do not wet plants to point of runoff or drip.

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.

The maximum use rate is 1 fl oz per gallon to be sprayed over an area of 750 sq ft (25' x 30').

Use outdoors and in residential green houses throughout the growing season or as a preharvest treatment when other insecticides are prohibited due to residue restrictions and use limitations. Combine 1 fl oz of concentrate per 1 gallon of water.

To kill adult Wasps & Hornets and Yellow Jackets: Apply at dusk when insects are at rest. Spray liberally into hiding and breeding places contacting as many insects as possible. Repeat if necessary.

To Kill Spiders: Spray directly on spiders and webs. Repeat if necessary.

To kill palmetto bugs, earwigs, sowbugs, centipedes, millipedes, crickets, silverfish, and clovermites: Spray thoroughly into hiding places such as spigots, storage areas, and sheds. Spray directly on insects where possible. Repeat treatment if necessary.

To kill mosquitoes, gnats (midges), houseflies, biting flies, and small flying moths (millers): Apply spray to shrubs, bushes, and grassy areas. Spray these areas with a slow sweeping motion while moving away from the treated area. To reduce annoyance from these flying insects, treat open porches and patios in a similar manner. For best results, spray when air is still. Allow spray to dissipate before occupying the treated area. Repeat if necessary.

To Kill exposed Termites and Carpenter Ants: (localized only) Dilute 1 fl oz of concentrate per gallon. Apply to voids or channels in damaged wood of a structure, or to cracks, crevices, and spaces in and between wooden portions of a structure or between wood and the foundation, in locations vulnerable to attack such as crawlspaces. Retreat if needed but not more than once per week.

For Termites, the purpose of such applications is to kill workers or winged forms, which may be present in the treated areas at the time of application. Not recommended as sole protection against termites. For active infestations, get a professional inspection. Such applications are not a substitute for mechanical alteration, soil treatment, or foundation treatment but are merely a supplement. For active termite infestation, contact a professional pest control operator in your area.

ORNAMENTALS, TREES, SHRUBS, AND ROSES

Combine 1 fl oz of concentrate per 1 gallon of water. Apply as a fine mist, spraying plants on the upper and lower leaf surfaces to ensure thorough coverage.

INSECTS CONTROLLED: Aphids (red, black, and green peach), bagworms, thrips, Eastern and forest tent caterpillars, flea beetles, gypsy moth caterpillars and adults, Japanese

beetles, lace bugs, leafhoppers, leaf rollers, leaf tiers, mimosa webworm larvae, plant bugs and whiteflies. Repeat treatment weekly, or as needed to control infestations.

On Trees and Shrubs: Treat trees and shrubs as soon as insects emerge (usually late spring). Treat leaves, branches, and tree trunks evenly making sure to penetrate dense foliage. Repeat application every 7 days as necessary for control.

On Roses and Flower Gardens: Treat plants and flowers as soon as insects appear. Spray on plants and flowers making sure to penetrate dense foliage. Repeat application every 7 days or as necessary for control.

VEGETABLES

Combine 1 fl oz of concentrate per 1 gallon of water. Apply as a fine mist, spraying plants on the upper and lower leaf surfaces to ensure thorough coverage.

INSECTS CONTROLLED: Aphids, asparagus beetles, blister beetles, cabbage loopers, Colorado potato beetles, cross-striped cabbage worms, diamondback caterpillars, flea beetles, green peach aphids, harlequin bugs, imported cabbage worms, Japanese beetles, leafhoppers, leaf tiers, Mexican bean beetles, stink bugs, 12-spotted cucumber beetles, webworms, and whiteflies.

On Asparagus, beans, broccoli, brussels sprouts, cabbage, cauliflower, celery, collards, cranberries, cucumbers, eggplant, kale, lettuce, melons, mustard greens, peppers, potatoes, radishes, spinach, squash, sweet corn, tomatoes and turnips. Treat plants as soon as insects appear. Spray on plants and flowers making sure to penetrate dense foliage. Repeat application every 7 days or as necessary for control.

**ON HORSES, DAIRY AND BEEF CATTLE:
USE RESTRICTIONS**

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.

The maximum application rate is obtained by dilution of 1 part concentrate with 119 parts water for horn flies/house flies/mosquitoes/gnats. The maximum application rate is obtained by dilution of 1 part concentrate with 29 parts water for stable, horse and deer flies.

To Kill **Horn Flies, Houseflies, Mosquitoes and Gnats**, dilute at the rate of 1 part concentrate to 119 parts water (1 fluid ounce per gallon) and apply to wet the hair thoroughly with particular attention to the topline, underline, flanks, withers and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or as needed when flies are emerging in large numbers.

TO Kill **Stable Flies, Horse Flies and Deer Flies**, dilute 1 part concentrate to 29 parts water (4.3 fluid ounces per gallon) and apply a quart per adult animal to wet the hair thoroughly with particular attention to the legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment each week or as needed.

**IN KENNELS, BARNs. MILKING PARLORS. MILKROOMS, DAIRIES AND POULTRY HOUSES:
FOR USE IN OVERHEAD AUTOMATIC INSECT CONTROL SYSTEMS
USE RESTRICTIONS:**

Not for use in outdoor residential misting systems (indoor or outdoor). Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained. Do not apply when food, feed, and/or water is present.

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.

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

Direct nozzles to spray towards the target area and away from areas where people are typically present.

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.

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 ____ parts {product name} to ____ 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.

This product must only be used in systems that have been calibrated to apply no more than the maximum application rate. The maximum application rate is obtained by dilution of 1 part concentrate with 29 parts water.

To Kill exposed stages of **Houseflies, Horse Flies, Stable Flies, Deer Flies, Ants, Roaches, Fleas, Ticks, Gnats** and **Mosquitoes**, depending on the severity of infestation, treat with 0, 1, 0.075, 0.067 or 0.05% pyrethrins by diluting with clean water as follows:

- 0.1% 1 part concentrate to 29 parts water,
- 0.075% 1 part concentrate to 39 parts water.
- 0.067% 1 part concentrate to 44 parts water
- 0.05% 1 part concentrate to 59 parts water

Mix well and set nozzles to deliver 1 ounce liquid per minute or 0.5 ounce per 30 seconds. Locate nozzles to cover a maximum of 2000 cubic feet of space. Set timer to operate 2 to 6 one-minute [4-12 30-second] cycles per 24 hour period, depending on the severity of infestation.

Do not use these systems in nurseries or rooms where infants, the ill or aged persons are confined. Do not install directly above or within 12 feet of any food handling or food dispensing area. Metering devices must be timed not to dispense while food processing is underway. Foods must be removed or covered during treatment. All food processing surfaces must be covered during treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse before using. Do not install within 3 feet of air ducts. Do not use in public places while customers or workers are present. Timers must be set to dispense only during non-business hours. Carefully follow directions for the dispenser unit when installing the dispenser and replacing cans or conducting maintenance.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Store in a cool, dry area away from heat or open flame.

CONTAINER DISPOSAL: 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.

To the extent consistent with applicable law, Seller makes no warranty, expressed or implied, concerning the use and handling of this product other than indicated on the label. To the

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extent consistent with applicable law, Buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

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