



INDOOR/OUTDOOR USE



With Country
FRESH
Fragrance

VIPER RTU

READY-TO-USE INSECTICIDE



- For Control of Pests on Non-Commercial Livestock
- For Control of Fleas, Brown Dog Ticks and Lice on Premises and on Dogs

ACTIVE INGREDIENTS:

Permethrin (CAS #52645-53-1)..... **0.25%**

OTHER INGREDIENTS: **99.75%**

TOTAL: **100.00%**

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

EPA Reg. No. 4-393-53883

EPA Est. No. 53883-TX-002



ADAMA

Control Solutions Inc.

A member of Adama Consumer and Professional Solutions

**KEEP OUT OF REACH OF CHILDREN
CAUTION**
See back/side/other panel(s) for additional precautions.



NET CONTENTS: **1 GAL (3.785 l)**

READ ENTIRE LABEL BEFORE EACH USE.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse. Avoid contamination of feed and foodstuffs. Remove pets and birds and cover fish aquaria before surface applications. Do not use on humans. Do not allow children or pets to contact treated areas until surfaces are dry. 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.

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.

DIRECTIONS FOR USE

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

USE RESTRICTIONS:

- Except when applying to pets, companion animals or non-commercial livestock, do not enter or allow others to enter until sprays have dried.
- Except when applying to pets, companion animals or non-commercial livestock, do not apply this product in a way that will contact adults, children or pets, either directly or through drift.
- Do not apply as a broadcast treatment to indoor surfaces at residential sites, including nurseries, day care centers, schools, hospitals and nursing homes.
- Not for use in outdoor residential misting systems.
- Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.
- Do not water the treated area to the point of run-off. Do not make applications during rain. 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.

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 & Container Handling: *If partly filled* – Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain. *If empty* – Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

SHAKE WELL BEFORE USING

INDOOR APPLICATION

For spot application only. Do not use as a space spray indoors.

HOUSEPLANTS:

TO PROTECT INDOOR PLANTS INCLUDING RESIDENTIAL GREENHOUSES. To kill insects direct the spray mist to hit as many insects as possible.

Plant:	Pests:	How To Use:
Ageratum, Ardisia African Violets, Aster, Baby's Breath, Begonia, Birdsnest Fern, Bleeding Heart, Carnation, Chrysanthemum, Citrus, Coleus, Crown of Thorns, Cockscomb, Cyclamen, Dracaena, Dumbcane, English Ivy, Fuchsia, Geranium, Gladiolus, Grape Ivy, Juniper, Lily, Marigold, Orchid, Palm, Pansy, Peperomia, Petunia, Philodendron, Piggy-Back Plant, Poinsettia, Portulaca, Pothos, Prayer Plant, Purple Passion, Rabbits Foot Fern, Rose, Scheffera, Snapdragon, Snake Plant, Statice, Velvet Plant, Verbena, Violets, Wandering Jew, Zinnia	Aphids, Armyworms, Citrus Blackfly, Corn Earworms, Exposed Thrips, Fall Cankerworm, Gnats, Inchworms Japanese Beetles, Lace Bugs, Leafhoppers, Leafminers, Leafrollers, Mealybugs, Scales, Mealyworms, Spider Mites, Spring Cankerworms, Whiteflies	Contact and Residual: Use sufficient spray to obtain full coverage of all foliage. If application is to be made indoors, remove infested plants from living areas prior to application. Apply in an area not likely to be occupied by people or pets (particularly fish). After spraying, plants can be returned to original location. Do not use more product than specified, as this may cause some plant injury. Use with care on ferns, palms and fuchsia. As with all plants listed above, especially carnations, chrysanthemums, and roses, there exists a wide variety of species and cultivars, and therefore, a wide variety of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours, and check for possible injury. Repeat applications may be necessary to control citrus blackflies on non-bearing citrus, Adult Japanese beetles on roses.

SURFACE SPRAYING: FOR 60-DAY (TWO MONTHS) CONTROL OF: COCKROACHES, WATERBUGS, PALMETTO BUGS, SCORPIONS, MILLIPEDES, CENTIPEDES, SOWBUGS, PILLBUGS, ANTS, SILVERFISH, FIREBRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES: Direct the spray into hiding places, cracks and crevices, and behind shelves and drawers. For *Silverfish*, spray bookcases. For *Ants*, spray trails, nests and points of entry.

TO CONTROL CARPET BEETLES: Apply as a spot treatment to edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment as needed.

TO CONTROL BEDBUGS: Spray lightly around tufts and seams of mattresses. Do not spray entire mattress. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment as needed.

TO CONTROL FLEAS (ADULTS AND LARVAE) AND TICKS (ADULTS AND LARVAE): Apply as a spot treatment to infested areas, dog beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding must be placed in animal quarters following treatment. Repeat treatment as needed. Allow to dry thoroughly before allowing pets to contact treated areas. Do not spray areas inhabited by cats.

TO CONTROL CLOTHES MOTHS: Remove any infested articles from storage, brush thoroughly, and air for several hours in sunlight, if possible. Apply spray to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated lightly, keeping nozzle at least three feet from fabric to avoid staining.

TO KILL LICE AND LOUSE EGGS: Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Treat only those garments and parts of bedding and furniture that cannot be either laundered or dry cleaned. For mattresses, spray lightly around tufts and seams. Do not spray entire mattress. Allow all treated articles to dry thoroughly before use.

ON COMPANION ANIMALS AND NON-COMMERCIAL LIVESTOCK

Protects cattle (beef and dairy), hogs (swine) and horses from

Stable Flies, Horn Flies, Face Flies, Horse Flies, Deer Flies, Blood-Sucking Lice, Mosquitoes and Gnats.

CATTLE: SPOT APPLICATION TO BACK, FACE, LEGS, TAIL & EARS: Apply 2 fl. oz. of product per animal to infested areas. For blood-sucking lice, apply using a stiff brush to get the spray to the base of the hair. Reapply as needed. WHOLE BODY SPRAY: Mix 2 fl. oz. of product in 1 gallon (½ fl. oz. in 1 quart) of water. Apply as a light mist to wet the hair thoroughly, using 1-2 quarts of dilute solution per animal. For face flies, spray face and head, but do not spray into eyes. Repeat treatment in 10 days, if needed.

HOGS (SWINE): SPOT APPLICATION TO BACK, FACE, LEGS, TAIL & EARS: Apply 2 fl. oz. of product per animal to infested areas. For blood-sucking lice, apply using a stiff brush to get the spray to the base of the hair. Reapply as needed. WHOLE BODY SPRAY OR DIP: Mix 2 fl. oz. of product in 1 gallon of water (½ fl. oz. in 1 quart). Apply as a light mist to wet the hair thoroughly, using 1-2 quarts of dilute solution per animal. For face flies, spray face and head, but do not spray into eyes. Repeat treatment in 14 days, if needed.

HORSES: SPOT APPLICATION TO BACK, FACE, LEGS, TAIL & EARS: Apply 2 fl. oz. of product per animal to infested areas. For face flies, spray face and head, but do not spray into eyes. Reapply as needed. WHOLE BODY WASH OR DIP: Mix 2 fl. oz. of product in 1 gallon of water. Apply to wet the hair thoroughly. Reapply as needed.

POULTRY: To control Poultry Lice, Bedbugs and Mites on poultry and in non-commercial poultry houses. POULTRY: apply as a fine mist, using approximately 1 gallon per 75 birds (1 quart per 20 birds) (1 pint per 10 birds).

POULTRY HOUSES: Apply as a fine mist, using 1 gallon per 9000 sq. ft. (1 quart per 2,250 sq. ft.) (1 pint per 1,125 sq. ft.) (7 fl. oz. per 500 sq. ft.) thoroughly wetting roosts, walls, nests and cages. For bedbugs and mites, spray crevices of roost poles, cracks in walls and cracks in nests where these insects hide. Do not treat poultry litter. Reapply in 1 to 2 weeks, if required.

DOGS: USE ONLY ON DOGS. DO NOT USE ON CATS OR KITTENS. Do not use on puppies less than twelve weeks old. Consult a veterinarian before using this product on debilitated, aged, pregnant, nursing or medicated animals.

TO CONTROL FLEAS, TICKS, AND LICE: Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and underbody. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly, but do not saturate animal. Do not spray into eyes or face. Do not spray animal's genitalia. Do not reapply product for 7 days.

In case of an emergency, call 1-800-548-2423 (Animal Poison Control Center).

OUTDOOR APPLICATION

TO HELP CONTROL TICKS: in outdoor activity areas, treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

FOR CONTROL OF GARDEN INSECTS: When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

Plant:	Pests:	How To Use:
Ageratum, Aster, Ardisia, Azalea, Baby's Breath, Begonia, Birds-nest Fern, Bleeding Heart, Camellia, Carnation, Chrysanthemum, Coleus, Common Ninebark and Snowberry, Crown of Thorns, Cockscomb, Crassula, Cyclamen, Dahlias, Delphiniums, Dogwood, Dracaena, Dumbcane, English Ivy, Euonymus, Exacum, Fuchsia, Geranium, Gladiolus, Grape Ivy, Grape Vines, Gold Bells, Hypoestes, Ivy, Juniper, Kentia palms, Laurel, Lilac, Marigold, Mock-Orange, Nannyberry, Orchid, Palm, Pansy, Pea Shrub, Peperomia, Petunia, Philodendron, Piggy-Back Plant, Poinsettia, Portulaca, Pothos, Prayer Plant, Purple Passion, Rabbits Foot Fern, Rhododendron, Rose, Rubber plants, Schefflera, Snapdragon, Snake Plant, Statice, Stocks, Velvet Plant, Verbena, Violets, Wandering Jews, Zinnia	Aphids, Armyworms, Bagworms, Cabbage Worms, Cicadas, Clover Mites, Corn earworms, Cutworms, Exposed Thrips, Fall Cankerworms, Fall Webworms, Fungus Gnat, Inchworms, Japanese Beetles, Lace Bugs, Leafminers, Leafrollers, Mealybugs, Pavement Ants, Scale Crawlers, Spring Cankerworms, Spider Mites, Whiteflies, Rose Chafer, Psyllids, Scale Insects	Apply as a thorough spray, wetting the plants to the dripping point. Try to hit underside of leaves and penetrate dense foliage. Spray in the late afternoon or evening, when the temperature ranges from 50° to 75°F and when there is little or no wind. Spray at the first sign of insects. Repeat as necessary; use intervals of 4-8 days. Application can be made up to the day of collection.

VEGETABLES, FRUITS, AND NUT TREES:

For backyard gardens only. Thorough coverage of all plants is important. Begin applications when insects first appear.

VEGETABLE	TARGET PEST(S)	RATE	REMARKS
Asparagus (pre-harvest)	Cutworm Asparagus	1 gal. per 9,000 sq. ft.	Apply every 7 days, as needed. Do not apply more than 4 applications per season. Can be applied up to 1 day prior to harvest.
(post-harvest)	Larval stages of Asparagus Beetle, Tarnished Plant Bugs, Lygus Bugs, and Adult Japanese Beetle		Treat ferns or bush growth after spear harvest when insects are present.
Celery	Vegetable Leaf Miner Cabbage Looper, Black and Granulate Cutworm, Fall, Beet and Southern Armyworm	1 gal. per 4,500 sq. ft.	Apply every 7 days, as needed. Do not make more than 5 applications per season. Can be applied up to 1 day prior to harvest.
Broccoli Cabbage	Beet Armyworm, Diamond Back Moth, Imported Cabbageworm, Cabbage Aphid, Cabbage Looper	1 gal. per 4,500 sq. ft.	Apply every 5 days, as needed. Do not make more than 4 applications on Broccoli or 5 applications to Cabbage per season. Can be applied up to 1 day prior to harvest.
Cauliflower	Beet Armyworm, Diamond Back Moth, Imported Cabbageworm, Cabbage Aphid, Cabbage Looper	1 gal. per 9,000 sq. ft.	Apply every 5 days, as needed. Do not make more than 4 applications per season. Can be applied up to 1 day prior to harvest.

(continued)

VEGETABLE	TARGET PEST(S)	RATE	REMARKS
Cucurbits: Balsam pear (bitter melon), Chinese waxgourd (Chinese preserving melon), citron melon, cucumber, gherkin, edible gourds; melons including hybrids such as cantaloupe, casaba, crenshaw, honeydew, honey balls, mango melon, muskmelon, Persian melon, pumpkin, summer & winter squash, watermelon	Aphids, Cabbage Looper, Cucumber Beetle (adults), Cutworms, Leafhoppers, Leafminers, Melonworms, Pickleworm, Plant Bugs, Squash Bugs.	1 gal. per 4,500 sq. ft.	Apply every 7 days, as needed. Do not make more than 6 applications (maximum 4 applications to cantaloupe) per season. Can be applied up to day of harvest.
Eggplant	Colorado Potato Beetle, Vegetable Leafminer	1 gal. per 6,000 sq. ft.	Apply every 7 days, as needed. Do not make more than 4 applications per season. Can be applied up to 3 days prior to harvest.
Horseradish (Foliar application)	Imported Crucifer Weevil	1 gal. per 6,000 sq. ft.	Apply every 10 days, as needed. Do not make more than 3 applications per season. Can be applied up to 30 days prior to harvest.
Head Lettuce only (Do not use on Leaf Lettuce)	Cabbage Looper, Alfalfa Looper, Beet Armyworm, Corn Ear Worm and Tobacco Budworm	1 gal. per 4,500 sq. ft.	Apply every 7 days, as needed. Do not make more than 4 applications per season. Can be applied up to 1 day prior to harvest.
Potatoes	Beet Armyworm, Colorado Potato Beetle, Potato Leafhopper, Potato Flea Beetle, Aster Leafhopper, Potato Aphid, Potato Tuberworm, Cabbage Looper, Cutworms, European Corn Borer, Potato Psyllid, Tarnished Plant Bug	1 gal. per 4,500 sq. ft.	Apply every 10 days, as needed. Do not make more than 4 applications per season. Can be applied up to 14 days prior to harvest.
Peppers, Bell	Vegetable Leafminer, Cabbage Looper, Flea Beetle, Corn Earworm, Pepper Weevil, European Corn Borer	1 gal. per 4,500 sq. ft.	Apply every 5 days, as needed. Do not make more than 4 applications per season. Can be applied up to 3 days prior to harvest.
Spinach	Beet Armyworm, Corn Earworm, Cabbage Looper, Cutworms, European Corn Borer, Green Cloverworm and Leafhoppers	1 gal. per 4,500 sq. ft.	Apply every 3 days, as needed. Do not make more than 3 applications per season. Can be applied up to 1 day prior to harvest.
Sweet Corn	Corn Earworm, European Corn Borer, Fall Armyworm, Southern Armyworm	1 gal. per 4,500 sq. ft.	Apply every 3 days, as needed. Do not make more than 4 applications per season. Can be applied up to 1 day prior to harvest.

(continued)

VEGETABLE	TARGET PEST(S)	RATE	REMARKS
Tomatoes	Beet and southern armyworm, Tomato pinworm, Tomato fruitworm, Horn worms, Granulate cutworms, Colorado potato beetle, Cabbage looper	1 gal. per 4,500 sq. ft.	Apply for thorough coverage. Do not make more than 6 applications per season. Can be applied up day of harvest. Do not apply to tomato varieties which produce mature fruit <1 inch in diameter.

TREES (FRUIT OR NUT)	TARGET PEST(S)	RATE	REMARKS
Almonds	Navel Orange Worm, Peach Twig Borer	1 gal. per 2,250 sq. ft.	Apply when insects appear. Do not make more than 2 applications during hull split and 5 applications per season. Can be applied up to 7 days prior to harvest. Do not graze livestock in treated areas or feed cover crops from treated areas to livestock.
Apples	Plum Curculio, Redbanded Leafroller, Rosyapple Aphid, Spotted Tentiform Leafminer, Tarnished Plant Bug, White Apple Leafhopper, Obliquebanded Leafroller, Green Fruitworm	1 gal. per 3,600 sq. ft.	Apply every 10 days, as needed. Do not make more than 2 applications per season. Do not apply after petal fall. Do not graze livestock in treated areas or feed cover crops from treated areas to livestock.
Peaches	Lesser Peachtree Borer, Peach Twig Borer, Plum Curculio, Tarnished Plant Bug, Green Fruitworm, Oriental Fruit Moth	1 gal. per 3,600 sq. ft.	Apply every 10 days, as needed. Do not make more than 3 applications per season. Can be applied up to 14 days prior to harvest. Do not graze livestock in treated areas or feed cover crops from treated areas to livestock.
Pears (dormant through delayed dormant)	Pear Psylla	Dormant Only: 1 gal. per 2,250 sq. ft.	Apply every 10 days, as needed. Do not make more than 2 applications per season (maximum 1 dormant application per season). Add, if desired, 8 oz. of Bonide All Season's oil to each gallon of this product. Do not graze livestock in treated areas or feed cover crops from treated areas to livestock.
(summer)	Pear Psylla, Green Fruitworm and Codling Moth	1 gal. per 3,600 sq. ft.	

To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this product not in strict accordance with directions given herewith.

Buyer's Guarantee Limited to Label Claims

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

Distributed by
Control Solutions, Inc.

5903 Genoa-Red Bluff, Pasadena, TX 77507-1041



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