

May be used
on Indoor &
Outdoor Plants

Controls Over
50 Common
Insect Pests



MULTI-PURPOSE INSECT SPRAY CONCENTRATE

Controls Insects on:
Roses & Ornamentals;
Fruits, Nuts &
Vegetables; Trees &
Shrubs; Lawns

Controls Nuisance Pests:
Ants, Spiders, Fleas, Ticks,
Crickets, and Earwigs



ACTIVE INGREDIENT:

*Permethrin (10-phenoxyphenyl)methyl
(±)-cis,trans-3-(2,4,6-trichlorophenyl)-2-
2-dimethylcyclopropanecarboxylate).....2.50%

OTHER INGREDIENTS.....97.50%

100.00%

*Cis,trans ratio: Min. 95% (±) cis and max 65% (±) trans

Keep out of reach of children
CAUTION
See back for additional precautionary statements

NET CONTENTS
1 PINT (473 ml)

09604120 - 06/03

in 1 gallon of water to cover 1,000 sq. ft. Apply as needed, but not more than 8 applications per season. Can be applied up to 3 days prior to harvest.

Spinach: *Pests:* Beet armyworms, Cabbage loopers, Corn earworms, Cutworms, European corn borers, Green cloverworms, Leafhoppers. *How to Use:* Use 1 1/2 fl. oz. in 1 gallon of water to cover 1,000 sq. ft. Apply for uniform coverage when needed, but not more than 7 applications per season. Can be applied to up to 7 days prior to harvest.

Sweet Corn: *Pests:* Armyworms, (Fall, Southern), Corn earworms, European corn borers. *How to Use:* Use 1 1/2 fl. oz. in 1 gallon of water to cover 1,000 sq. ft. Apply every 5 days and when needed, but not more than 6 applications per season. Can be applied up to 1 day prior to harvest.

Tomatoes: *Pests:* Beet and Southern Armyworm, Tomato Pinworm, Tomato Fruitworm, Horn Worms, Granulate Cutworms, Colorado Potato Beetle, Cabbage Looper. *How to Use:* Use 1 1/2 fl. oz. in 1 gallon of water per 1,000 sq. ft. Apply as needed for uniform coverage. Do not exceed 8 applications per season. Can be applied up to day of harvest.

BARRIER SPRAY FOR NUISANCE PESTS: Such as Ants, Clover mites, Cluster flies, Crickets, Earwigs, Fleas, Flying moths, Gnats, House flies, Millipedes, Mosquitoes, Sowbugs (pillbugs) Scorpions, Spiders, Tent caterpillars, Ticks (Brown dog, Deer, Lone star).

General Directions: Use 6-2/3 fl. oz. in 1 quart of water, treating 400 linear feet with a 6-inch spray band.

Outside Surfaces of Buildings: *Pests:* Ants, Clover mites, Crickets, Earwigs, Millipedes, Sowbugs (pillbugs). *How to Use:* To help prevent infestation of buildings, treat the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Also, apply as a residual spray to outside surfaces of buildings, including porches, screens, window frames, eaves, patios, picnic areas, garages, refuse piles, and other areas where these pests congregate or have been seen. To maintain effectiveness, reapply as reinfestation occurs.

Other Outside Areas:

Pests: Ants, Crickets, Earwigs, Fleas, Spiders, Ticks (Brown dog, Deer, Lone star). *How to Use:* For treatment of localized infestations of these insects in areas where there are weeds, shrubs or bushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways. Repeat application as reinfestations occur.

Pests: Cluster flies, Flying moths, Gnats, House flies, Mosquitoes. *How to Use:* For 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, under patio furniture, in garages and other places where these insects alight or congregate.

Pests: Tent caterpillars. *How to Use:* Application should be made when caterpillars are young and tents are first noticed. For best results, apply in the late afternoon or evening, when caterpillars have returned to their tents. Wet tents with spray on all sides. A few caterpillars may be seen escaping from the tent, however, they should die within several hours.

House Plants Indoors: Ageratum, Ardisia, Aster, Baby's Breath, Begonia, Birdsnest Fern, Bleeding Heart, Carnation, Chrysanthemum, Coleus, Crown of Thorns, Cockscob, Cyclamen, Dracaena, Dumbcane, English Ivy, Fuchsia, Gladiolus, Grape Ivy, Hypoestes Ivy, Juniper, Lily, Marigold, Orchid, Palm, Pansy, Peperomia, Petunia, Philodendron, Piggy-Back Plant, Poinsettia, Portulaca, Pothos, Prayer Plant, Purple Passion, Rabbits Foot Fern, Rose, Schefflera, Snapdragon, Snake Plant, Statice, Velvet Plant, Verbena, Zinnia. To protect plants in non-commercial greenhouses and lathhouses, and for indoor landscaping. *Pests:* Aphids, Armyworms, Corn earworms, Cutworms, Cabbageworms, Exposed thrips, Fall cankerworms, Fungus gnats, Inchworms, Japanese beetles, Leafminers, Leafrollers, Mealybugs, Scales, Spider mites, Spring cankerworms, Whiteflies. *How to Use on Indoor House Plants Listed Above:* Use 1 fl. oz. in 1 gallon of water. Spray will act

as contact and residual control. Use sufficient spray to obtain full coverage of all foliage. Adjust spray volume used to plant size. Spray directly on insects. If application is to be made indoors, remove infested plants from living areas prior to application. Spray plants in an area not likely to be occupied by people or pets (particularly fish bowls or tanks). When leaves dry, plants can be returned to original location. Do not use more product than recommended, 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 susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours, and check for possible injury. Repeat application may be necessary to control citrus blackflies on non-bearing citrus and adult Japanese beetles on roses.

STORAGE AND DISPOSAL

Storage: Store in a cool, dry place, preferably a locked storage area. Store above freezing. Do not store diluted spray. Store with container tightly closed. Keep pesticide in original container; do not transfer to food or drink container. Avoid contamination of food, feed, and domestic water supplies. **Container Disposal:** If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

LILLY MILLER® MULTI-PURPOSE INSECT SPRAY CONCENTRATE

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. For Use on Residential Lawns, Gardens, Patios and Home Picnic Areas Only.

SHAKE WELL BEFORE USE.

This product helps reduce annoying and troublesome outdoor insects. Do not spray animals. People and pets should not be allowed in treated areas until spray has dried.

This product can be applied using a hose-end sprayer, pump up pressure sprayer or by watering can. Carefully dilute the recommended amount of concentrate and water according to the directions found under the desired insect to control. Use a clean sprayer. Apply insecticide when insects first appear and repeat not more frequently than every 3 days. Flush sprayer or watering can with clean water after each use.

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LILLY MILLER BRANDS
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This product kills most troublesome outdoor insects, which destroy lawns, gardens, and are an annoyance on patios and at picnics.

LAWNS: Bent, Bermuda, Bluegrass, Dichondra, Fescue, Irish Moss, Merion and St. Augustine.

Pests: Ants, Armyworms, Brown dog ticks, Chinch bugs, Crickets, Cutworms, Deer ticks, Fleas, Grasshoppers, Japanese beetles grubs, Mole crickets and Sod webworms. Thoroughly wet down grass a few hours before applying. Home lawns should be no taller than 3 inches at time of application. Slightly more water may be used as long as the amount of product per area is as listed below. For heavy infestations, repeat application after 2 weeks. For ants, crickets and grasshoppers use 2 fl. oz. in 3 gallons of water to cover 1,000 sq. ft. For other listed insects, use 6 fl. oz. in 10 gallons of water to cover 1,000 sq. ft.

TREES AND SHRUBS: Arizona Cypress, Azalea, Birch, Non-Bearing Citrus, Conifers, Elm, English Ivy, Euonymus, Weeping Fig, Fir, Honeysuckle, Lilac, Mock-Orange, Oak, Palm, Philodendron, Pine, Poinsettia, Tulip, Poplar, Rhododendron, Taxus.

Pests: Aphids, Bagworms, Cicadas, Exposed thrips, Fall cankerworms, Inchworms, Leafminers, Mealybugs, Spider mites, Whiteflies. Fall webworms on Cherry and Honeysuckle, Budworms on Conifer, Elm leaf beetles, Elm spanworms and Fall webworms on Elms, Tussock moths on Douglas and Grand Firs, Citrus black flies on Non-Bearing Citrus, Oakworms on Oaks, Pine beetles, Pine moths, Pine needleminers, and Needle scales on Pines.

Use 1 fl. oz. in 1 gallon of water. Apply as a thorough spray, wetting leaves and branches but do not let runoff occur. Try to 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. To maintain effectiveness, spray as reinfestation occurs, but use at intervals of 4-8 days.

ROSES AND FLOWERS: Ageratum, Aster, Azalea, Begonia, Coleus, Common Ninebark and Snowberry, Exacum, Glad-

iolus, Gold Bells, Hypoestes, Ivy, Lilac, Marigold, Mock-Orange, Nannyberry, Orchid, Pansy, Pea Shrub, Petunia, Poinsettia, Rhododendron, Rose, Snapdragon, Zinnia.

Pests: Aphids, Bagworms, Cicadas, Exposed thrips, Fall cankerworms, Fall webworms, Inchworms, Leafminers, Leafrollers, Mealybugs, Spider mites, and Whiteflies.

Use 1 fl. oz. in 1 gallon of water. Apply as a thorough spray, wetting the plants but do not let runoff occur. Try to hit underside of leaves and penetrate dense foliage. Spray in the later afternoon or evening, when the temperature ranges from 50 to 75 F and when there is little or no wind. To maintain effectiveness, spray as reinfestation occurs, but use at intervals of 4-8 days.

FRUIT AND NUT TREES

General Directions: Use 2 fl. oz. in 1 gallon of water. Apply when insects appear. Wet the plants thoroughly, but do not let runoff occur. Try to hit underside of leaves and penetrate dense foliage.

Almonds: **Pests:** Navel orangeworms, Peach twig borers. **How to Use:** 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.

Apples: **Pests:** Green fruitworms, Leafrollers (Oblique-banded; Redbanded), Plum curculio, Rosy apple aphids, Spotted tentiform leafminers, Tarnished plant bugs, White apple leafhoppers. **How to Use:** Repeat as required to maintain control. Do not make more than 3 applications. Do not apply after petal fall.

Peaches: **Pests:** Borers (lesser peachtree, Peach twig), Green fruitworms, Plum curculio, Oriental fruit moth, Tarnished plant bug. **How to Use:** Do not apply within 7 days of harvest. Do not make more than 8 applications per season.

Pears: **Pests:** Codling moth, Green fruitworms, Pear psylla. **How to Use:** Do not make more than 3 applications per season. Can be applied up to 14 days prior to harvest.

VEGETABLES

Asparagus (pre-harvest): **Pests:** Asparagus beetles, cutworms. **How to Use:** Use 1 1/2 fl. oz. in one gal-

lon of water to cover 1,000 sq. ft. Apply for uniform coverage as needed. Do not make more than 4 applications per crop. Can be applied up to 3 days prior to harvest.

Asparagus (post-harvest): **Pests:** Beetles (Adult Japanese Beetle, Larval stages of Asparagus Beetle), Lygus bugs, Tarnished plant bugs. **How to Use:** Use 1 1/2 fl. oz. in 1 gallon of water to cover 1,000 sq. ft. Treat ferns or bush growth after spear harvest when insects are present.

Celery: **Pests:** Armyworms (beet, Fall, Southern), Cabbage loopers, Cutworms (black, granulate), Vegetable leafminers. **How to Use:** Use 1 1/2 fl. oz. in 1 gallon of water to cover 1,000 sq. ft. Apply every 3-5 days or as needed. Can be applied up to 3 days prior to harvest. Do not make more than 10 applications per season.

Cole Crops: Broccoli, Brussels Sprouts, Cabbage, and Cauliflower. **Pests:** Beet armyworms, cabbage aphids and loopers, Diamondback moths, Imported cabbageworms. **How to Use:** Use 1 fl. oz. in 1 gallon of water to cover 1,000 sq. ft. Apply every 5 days or as needed. Can be applied up to 1 day prior to harvest. Do not make more than 8 applications on Cauliflower, Brussels Sprouts, and Broccoli and 10 applications on Cabbage.

Cucumber, Melons, Pumpkins, Squash: **Pests:** Flea Beetle, Leafhopper. **How to Use:** Use 2 fl. oz. in 1 gallon of water to cover 1,000 sq. ft. Apply as needed but not more than 8 applications per season. Can be applied up to day of harvest.

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. **Pests:** Aphids, Cabbage, Looper, Cucumber Beetle (adults), Cutworms, Leafhoppers, Leafminers, Melonworms, Pickleworm, Plant Bugs, Squash Bugs. **How to Use:** Use 2 fl. oz. in 1 gallon of water to cover 1,000 sq. ft. Apply as needed to ensure uniform coverage. Do not exceed 8 applications per season. Can be applied up to the day of harvest.

Eggplant: **Pests:** Colorado Potato beetles, Vegetable leafminers. **How to Use:** Use 3 fl. oz. in 1 gallon of water to cover 1,000 sq. ft. Apply for uniform coverage as needed. Do not exceed 16 applications. Can be applied up to 3 days prior to harvest.

Horseradish (Foliar Application): **Pests:** Imported crucifer weevils. **How to Use:** Use 3 fl. oz. in 1 gallon of water to cover 1,000 sq. ft. Apply as needed. Do not exceed 3 foliar applications. Can be applied up to 22 days prior to harvest.

Head Lettuce: **Pests:** Corn earworms, Beet armyworms, Loopers (Alfalfa, Cabbage), Vegetable budworms. **How to Use:** Use 2 fl. oz. in 1 gallon of water to cover 1,000 sq. ft. Apply every 5-10 days as needed. Do not make more than 10 applications per season. Can be applied up to 1 day prior to harvest.

Leafy Vegetables: Amaranth, Arugula, Celery, Celtuce, Chervil, Corn Salad, Chrysanthemum (edible-leaved and garland), Cress (garden and upland), Dandelion, Dock, Endive, Fennel, Lettuce (head and leaf), Okra, Parsley, Purslane (garden and winter), Rhubarb, Spinach, Swiss Chard. **Pests:** Alfalfa Looper, Aphids, Beet Armyworm, Cabbage Looper, Corn Ear Worm, Cutworms, European Corn Borer, Fall Armyworm, Green Cloverworm, Southern Armyworm, Tobacco Budworm, Vegetable Leaf Miner. **How to Use:** Use 2 fl. oz. in 1 gallon of water to cover 1,000 sq. ft. Apply every 5 to 10 days as needed. Do not exceed 10 applications per season. Can be applied up to 1 day prior to harvest.

Potatoes: **Pests:** Beetles (Colorado potato, Potato flea), Beet armyworms, Cabbage loopers, Cutworms, European corn borers, Leafhoppers (Aster, Potato), Potato aphids, Potato Psyllids, Potato tuberworms, Tarnished plant bugs. **How to Use:** Use 1 1/2 fl. oz. in 1 gallon of water to cover 1,000 sq. ft. Apply as needed. Do not make more than 12 applications. Can be applied up to 7 days prior to harvest.

Peppers: **Pests:** Cabbage loopers, Corn earworms, European corn borers, Flea beetles, Pepper weevils, Vegetable leafminers. **How to Use:** Use 2 fl. oz.



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

CAUTION: May be harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

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. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call the International Poison Center at 1-888-740-8712.

ENVIRONMENTAL HAZARDS: This pesticide is extremely toxic to fish. Do not apply directly to water. Drifts and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. 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.

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