

MASTER LABEL

Chemsico

Lawn & Garden Insect Control

For use around the home only.

Protects: Home Lawns, Vegetables, Fruits & Nuts, Roses, Flowers, Trees & Shrubs, Houseplants • Controls: Ants, Aphids, Chinch Bugs, Cutworms, Fire Ants, Fleas, Beetles, Grubs, Mites, Sod Webworms and many other listed insects. • Refill for Chemsico Home Insect Control Power Pump. • Water-based • Low Odor • Kills & Repels Mosquitoes, Flies, Gnats, Ants, Fleas, Ticks, and Other Annoying Pests! • Lets you enjoy your backyard again! • One Quart Treats 5,000 Square Feet

Active Ingredient:

Permethrin [(3-phenoxyphenyl)methyl (±) cis-trans-3-(2,2-dichloroethenyl)-2,2-dimethyl-cyclopropanecarboxylate] 2.5%
Inert Ingredients: 97.5%

*cis-trans isomer ratio: min. 35% (±) cis, max. 65% (±) trans

KEEP OUT OF REACH OF CHILDREN**CAUTION**

See back booklet for additional precautionary statements

NET CONTENTS 32 fl. oz./946 mL

Kills the most troublesome outdoor insects which destroy lawns, roses, flowers, trees and shrubs, or annoy pets and people. (Refer to label directions for specific insects controlled.)

Contains permethrin, a long lasting insecticide which provides contact and residual control for up to 4 weeks of many "Hard-To-Kill" sucking and chewing insects. Kills bugs fast.

This product can also be used as a refill for Chemsico Home Insect Control Power Pump. See refill instructions inside booklet.

STOP. READ ENTIRE LABEL BEFORE USE.

(Optional for booklet labels: PEEL HERE. STOP! READ ALL INSTRUCTIONS INSIDE BEFORE USING.)

DIRECTIONS FOR USE

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



Keep people or pets off treated areas until the spray has dried.

Three Easy Steps to Mix and Apply:**STEP #1:**

For lawns and vegetables, measure the area to be sprayed. Calculate square feet by multiplying length by width. For all other applications, apply as a thorough cover spray.

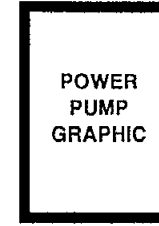
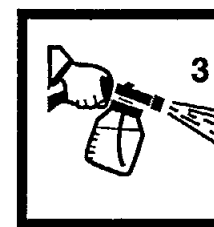
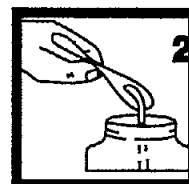
**STEP #2:**

Use a clean sprayer. Carefully measure and mix the amount of Chemsico Lawn & Garden Insect Control and water as directed

STEP #3:

Spray as directed. Thorough coverage is important. Flush sprayer with clean water after each use. Make applications when insects first appear. Repeat applications as directed.

See directions for complete insect list.

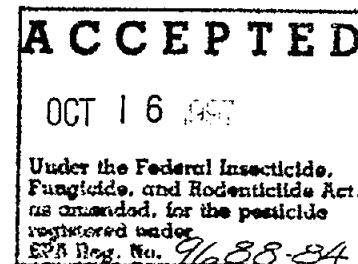


Use dilution rates as indicated.

1 fl. oz. = 6 tsp. or 2 tbsp.; 8 fl. oz. = 1/2 pt. or 1 cup

REFILL INSTRUCTIONS FOR CHEMSICO HOME INSECT CONTROL POWER PUMP

To kill pests indoors such as ants, cockroaches, waterbugs, mosquitoes, silverfish, spiders, fleas, brown dog ticks and lone star ticks, use this product as a refill for Chemsico Home Insect Control in the revolutionary Power Pump sprayer. The Power Pump is ideal for home insect control applications. Follow the directions on the Power Pump label to control insects indoors. Add 10 oz. of concentrate & dilute to one gallon of water.



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10/16/97

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OUTDOORS

TREATMENT AREAS	TARGET	REMARKS	USE RATE
HOME LAWNS: Bent, Bermuda, Bluegrass, Dichondra, Fescue, Irish Moss, Merion, St. Augustine	Amyworms, Brown dog ticks, Cutworms, Chinch bugs, Fleas, Japanese beetle grubs, Mole crickets, 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 above. For heavy infestations, repeat application after 2 weeks.	6 fl. ozs. in 10 gals. of water covers 1,000 sq. ft.
	Ants, Crickets, Grasshoppers		2 fl. ozs. in 3 gallons of water covers 1,000 sq. ft.
	Fire Ants	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.	6 fl. ozs. in 1 gallon of water treats one mound.

TREATMENT AREAS	TARGET	REMARKS	USE RATE
TREES & SHRUBS Wet leaves and branches to the dripping point. Try to penetrate dense foliage.			
Arizona Cypress, Azalea, Birch, Cherry, Non-bearing Citrus, Conifers, Elm, English Ivy, Euonymus, Weeping Fig, Fir, Honeysuckle, Lilac, Mock-orange, Oak, Palm, Philodendron, Pine, Poinsettia, Tulip Poplar, Rhododendron, Taxus	Aphids, Bagworms, Cicadas, Exposed thrips, Fall cankerworms, Inchworms, Leafminers, Leafrollers, Mealybugs, Spider mites, Whiteflies	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.	1 fl. oz. in 1 gal. of water. Apply as a thorough foliar spray.
Birch	Leafminer		
Cherry, Honeysuckle	Fall webworms		
Conifer	Budworms		
Elm	Elm leaf beetles, Elm spanworms, Fall webworms		
Douglas and Grand Firs	Tussock moths		
Non-bearing Citrus	Citrus black flies		
Oak	Oakworms		
Pine	Pine beetles, Pine moths, Pine needle miners, Needle scales		
Tulip Poplar	Aphids		

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TREATMENT AREAS	TARGET	REMARKS	USE RATE
ROSES & FLOWERS			
	Wet the plants to the dripping point. Try to hit underside of leaves and penetrate dense foliage.		
Ageratum, Aster, Azaleas, Begonia, Coleus, Common ninebark and snowberry, Exacum, Gladiolus, Gold bells, Hypoestes, Ivy, Lilac, Marigold, Mockorange, Nannyberry, Orchid, Pansy, Pea shrub, Petunia, Poinsettia, Rhododendron, Rose, Snapdragon, Zinnia	Aphids, Bagworms, Cicadas, Exposed thrips, Fall cankerworms, Inchworms, Leafminers, Leafrollers, Mealybugs, Spider mites, Fall webworms, Whiteflies	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.	1 fl. oz. in 1 gal. of water. Apply as a thorough foliar spray.
FRUITS & NUTS			
	Wet the plants to the dripping point. Try to hit underside of leaves and penetrate dense foliage.		
Almonds	Navel orange worms, Peach twig borers	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.	2 fl. ozs. in 1 gal. of water.
Apples	Plum curculio, Redbanded leafrollers, Rosy apple aphids, Oblique-banded leafrollers, Spotted leafminer, Tarnished plant bugs, Green fruitworms, White apple leafhoppers	Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications. Do not apply after petal fall.	2 fl. ozs. in 1 gal. of water
Peaches	Lesser peachtree borers, Peach twig borers, Plum curculio, Tarnished plant bugs, Green fruit worms, Oriental fruit moths	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.	2 fl. ozs. in 1 gal. of water
Pears (dormant through delayed dormant)	Pear psylla	Apply during the dormant through delayed dormant growth period only. Do not make more than 2 applications per season.	2 fl. ozs. in 1 gal. of water

TREATMENT AREAS	TARGET	REMARKS	USE RATE
Pears (summer)	Pear psylla, Codling Moths, Green fruitworms	Apply when needed. Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest.	2 fl. ozs. in 1 gal. of water
VEGETABLES			
Asparagus (pre-harvest)	Cutworms, Asparagus beetles	Apply for uniform coverage as needed. Do not apply more than 4 applications per crop. Can be applied up to 3 days prior to harvest.	1.5 fl. ozs. in 1 gal. of water covers 1,000 sq. ft.
Asparagus (post-harvest)	Larval stages of asparagus beetles, Tarnished plant bugs, Lygus bugs, Adult Japanese beetles	Treat ferns or bush growth after spear harvest when insects are present.	1.5 fl. ozs. in 1 gal. of water covers 1,000 sq. ft.
Celery	Vegetable leafminers, Cabbage loopers, Black and granulate cutworms, Fall, beet and Southern Armyworms	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.	1.5 fl. ozs. in 1 gal. of water covers 1,000 sq. ft.
Cole Crops: Broccoli, Brussels Sprouts, Cabbage, Cauliflower	Beet armyworms, Diamond back moths, Imported cabbageworms, Cabbage aphids and loopers	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.	1 fl. oz. in 1 gal. of water covers 1,000 sq. ft.
Eggplant	Colorado potato beetles, Vegetable leafminers	Apply for uniform coverage as needed. Do not exceed 16 applications. Can be applied up to 3 days prior to harvest.	3 fl. ozs. in 1 gal. of water covers 1,000 sq. ft.
Horseradish (Foliar application)	Imported crucifer weevils	Apply as needed. Do not exceed 3 foliar applications. Can be applied up to 22 days prior to harvest.	3 fl. ozs. in 1 gal. of water covers 1,000 sq. ft.
Head Lettuce	Cabbage Loopers, Alfalfa Loopers, Beet Armyworms, Corn Earworms and Tobacco Budworms	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.	2 fl. ozs. in 1 gal. of water covers 1,000 sq. ft.

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TREATMENT AREAS	TARGET	REMARKS	USE RATE
Potatoes	Beet armyworms, Colorado potato beetles, Potato aphids, Potato flea beetles, Potato leafhoppers, Aster leafhoppers, Potato tuberworms, Cabbage loopers, Cutworms, European corn borers, Potato psyllids, Tarnished plant bugs	Apply as needed. Do not apply more than 12 applications. Can be applied up to 7 days prior to harvest.	1.5 fl. ozs. in 1 gal. of water covers 1,000 sq. ft.
Peppers	Vegetable leafminers, Cabbage loopers, Flea beetles, Corn earworms, Pepper weevils, European corn borers	Apply as needed, but not more than 8 applications per season. Can be applied up to 3 days prior to harvest.	2 fl. ozs. in 1 gal. of water covers 1,000 sq. ft.
Spinach	Beet armyworms, Corn earworms, Cabbage loopers, Cutworms, European corn borers, Green cloverworms, Leafhoppers	Apply for uniform coverage when needed but not more than 7 applications per season. Can be applied up to 7 days prior to harvest.	1.5 fl. ozs. in 1 gal. of water covers 1,000 sq. ft.
Sweet Corn	Corn earworms, European corn borers, Fall and Southern armyworms	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.	1.5 fl. ozs. in 1 gal. of water covers 1,000 sq. ft.

TREATMENT AREAS	TARGET	REMARKS	USE RATE
ORNAMENTAL HOUSE PLANTS		Contact and residual spray; Use sufficient spray to obtain full coverage of all foliage. Adjust spray volume used to plant size.	
INDOORS: To protect plants in greenhouses and lathhouses, and for indoor landscaping: Ageratum, Ardisia, Aster, Azalea, Baby's breath, Begonia, Birdsnest fern, Bleeding heart, Carnation, Chrysanthemum, Coleus, Crown of thorns, Cockscomb, 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	Aphids, Armyworms, Corn earworms, Fall cankerworms, Inchworms, Japanese beetles, Leafminers, Leaf-rollers, Mealybugs, Scales, Spider Mites, Spring cankerworms, Exposed thrips, Whiteflies	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 children or pets (particularly fish). 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 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.	1 fl. oz. in 1 gal. of water
Chrysanthemums	Leafrollers, Armyworms, Cutworms, Cabbageworms		
Velvet plants	Fungus gnats		

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NUISANCE PESTS IN OUTDOOR AREAS

TREATMENT AREA	TARGET	REMARKS	USE RATE
Outside surfaces of building	Ants, Clover mites, Crickets, Earwigs, Millipedes, Sow-bugs (pillbugs)	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 building, including porches, screens, window frames, eaves, patios, garages, refuse dumps and other areas where these pests congregate or have been seen. Repeat treatment as needed to maintain effectiveness.	6 2/3 fl. ozs. in 1 quart of water treats 400 linear feet with a 6-inch spray band.
Outdoors	Ants, Lone star ticks, Crickets, Fleas, Earwigs	For treatment of localized infestations of these insects in outdoor areas where there are weeds or bushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways. Repeat application as reinfestations occur.	6 2/3 fl. ozs. in 1 quart of water treats 400 linear feet with a 6-inch spray band.
	House flies, Mosquitoes, Cluster flies, Gnats, Flying moths	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. Repeat as necessary.	
	Tent caterpillars	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.	

OPTIONAL READY SPRAY NOZZLE DIRECTIONS

For outdoor use on home lawns and ornamentals only.

Perfect before picnics & parties! • Connect & Spray • Connect & Spray the right amount every time! • Connect & Spray Your Bugs Away!
• Easy-To-Use Spray Ready Nozzle

Chemsico Lawn & Garden Insect Control kills and repels insects that invade your yard and attack your lawn, as well as valuable trees, shrubs and flowers. One quart of this formula will treat a 5000 sq. ft. lawn.

Peel Here
Press to Reseal

STOP! Read all instructions inside before using.

DIRECTIONS FOR USE

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



Keep people or pets off treated areas until the spray has dried.

1. Connect a garden hose to the spray ready nozzle. (graphic)
2. Make sure the yellow water control dial on the nozzle is in the "OFF" position. (graphic)
3. Turn on water at faucet. Extend hose to the farthest area to be treated and work back towards faucet.
4. Twist the small star-shaped white product control button to align the flat portion with the lock tab. Push the button in to open. (graphic)
5. To BEGIN spraying, point nozzle toward lawn or plants to be treated and turn the yellow water control dial to the "ON" position. Water will automatically mix with the product. (graphic)
6. Spray until wet to control insects listed below.
7. To STOP spraying turn yellow water control dial to the "OFF" position. Push small star-shaped white product control button back to "CLOSED" position. Turn off water at faucet. To relieve pressure, turn yellow water control dial to "ON" position and wait until water stops spraying before removing nozzle from hose.

HOME LAWNS

Chemsico Lawn & Garden Home Insect Control will control Ants, Armyworms, Crickets, Cutworms, Chinch Bugs, Fleas, Grasshoppers, Mole Crickets, Mosquitoes, Brown Dog Ticks and Sod Webworms in (on) Bentgrass, Bermudagrass, Bluegrass, Fescue, Irish moss, Merion and St. Augustine lawns.

TREES, SHRUBS AND FLOWERS

Chemsico Lawn & Garden Insect Control will control Aphids, Bagworms, Budworms, Citrus black flies, Cicadas, Elm leaf beetles, Elm Spanworms, Fall cankerworms, Inchworms, Leafminers, Leafrollers, Mealybugs, Needle scales, Oakworms, Pine beetles, Pine moths, Pine needle miners, Spider mites, Exposed thrips, Fall webworms, Tussock moths, and Whiteflies on Ageratum, Aster, Arizona Cypress, Azalea, Begonia, Birch, Cherry, Non-bearing Citrus, Coleus, Common ninebark and snowberry, Conifers, Elm, English Ivy, Euonymus, Exacum, Weeping Fig, Fir, Gladiolus, Gold Bells, Honeysuckle, Hypoestes, Ivy, Lilac, Marigold, Mock-orange, Nannyberry, Oak, Orchid, Palm, Pansy, Pea shrub, Petunia, Philodendron, Pine, Poinsettia, Tulip Poplar, Rhododendron, Rose, Snapdragon, Taxus and Zinnia.

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USE TIPS (For All Application Methods)

- Home lawns should be no taller than 3 inches at time of application
- Wet down home lawns a few hours before applying
- Application to trees, flowers, and shrubs should be made when the temperature is between 50° F and 75° F.

STORAGE AND DISPOSAL

Store in cool, dry area away from heat or open flame. Do not reuse container. Rinse thoroughly before discarding in trash.

PRECAUTIONARY STATEMENTS**Hazards to Humans and Domestic Animals**

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

Statement of Practical Treatment

If Swallowed: Call a physician or Poison Control Center immediately. **If on Skin:** Wash promptly with plenty of soap and water. Wash contaminated clothing. **If In Eyes:** Rinse eyes for at least 15 minutes with plenty of water. Call a physician if irritation persists. **If Inhaled:** Remove victim to fresh air. Apply artificial respiration if indicated.

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 treated 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.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

Questions or comments? Call 800-332-5553

Manufactured in the U.S.A. by

Chemsico, P.O. Box 15842, St. Louis, MO 63114-0842

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Form: A6/R&M

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