

Reg # 9688-84

PM-13

175

Chemsico Lawn & Garden Insect Control product label

EPA Reg. No. 9688-84

Page 1 of 5

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.

See directions for applying Chemsico Lawn & Garden Insect Control for specific recommendations.

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: Flush 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.

Directions for Use

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

Chemsico

Lawn & Garden Insect Control

For use on residential lawns and gardens only.

Replaces our Diazinon*

* Product name

Improved Formula

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.

Water-based • Low Odor

Active Ingredient:

Permethrin [(3-phenoxyphenyl) methyl (z) cis-trans-3-(2,2-dichloroethoxy)-2,2-dimethyl-cyclopropanecarboxylate] 2.5%

Inert Ingredients: 97.5%

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

Keep Out Of Reach of Children

CAUTION

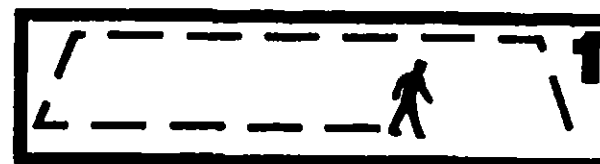
See back panel for additional precautionary statements

Net Contents: 16 fl. oz.

Three Easy Steps to Mix and Apply:

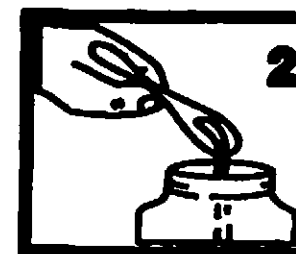
Step #1:

Determine the size of spraying job. For lawns and vegetables, measure the area to be sprayed. For all other applications, apply as a thorough cover spray.



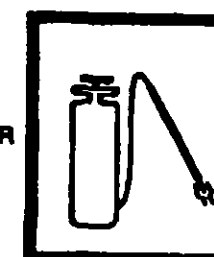
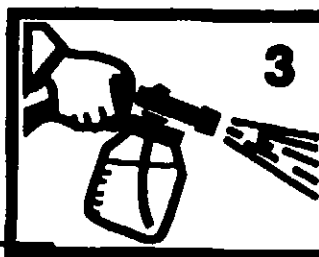
Step #2:

Use clean sprayer. Carefully measure and mix the amount of Chemsico Lawn & Garden Insect Control and water as suggested in the rate chart.



Step #3:

Spray as directed in rate chart. Thorough coverage is important. Flush sprayer with clean water after each use. Make applications when insects first appear. Repeat applications as needed or as noted in the rate chart.



OR

See chart 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

BEST AVAILABLE COPY

ACCEPTED

OCT 26 1992

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 9688-84

UNITED IND R&D/REG

TEL: 1-314-427-6355

OCT 21 92

15:05 No. 005 P.02

295

Chemisco Lawn & Garden Insect Control Product Label

EPA Reg. No. 5688-84

Page 2 of 5

Directions for Applying Chemisco Lawn & Garden Insect Control

Treatment Areas	Target	Notes to	Use Rate
Home Lawns: Bent, Bermuda, Bluegrass, Ochrone, Fescue, Irish Moss, Merton, St. Augustine	Asparagus, Cucumbers, Cichu buds, Ficus, Japanese beets grubs, black caterpillars, Brown dog ticks, Bad weeds	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. oz. in 10 gals. of water covers 1,000 sq. ft.
	Asa, Cef-Val, Gav. pers		2 fl. oz. in 3 gallons of water covers 1,000 sq. ft.
	Pine Aids	Apply 1 gallon of solution as a gentle rain to each tree and around using a sprinkler can. Thoroughly wet the ground and surrounding area to a 4 foot di- ameter. For best results, apply in cool weather, 60°-80°F., or in early morning or late evening hours. Treat new nurseries as they appear. Do not disturb the ground prior to treatment. If possible, treat all nurseries in the vicinity, and treat all seedlings which may not as yet have developed a second. Larger quantities of solution can be prepared for multiple treatment treatments. Equipment to deliver the diluted product as a gentle rain is the rate of 1 gallon per square is all required. Do not use equipment that produces a powerful spray as pre- sented sprays may disturb the ends and cause migration, reducing product effectiveness.	6 fl. oz. in 1 gallon of water treats one mound.

Treatment Areas	Target	Remarks	Use Rate
Trees & Shrubs			
Adams Cypress, Acacia, Black, Cherry, Non-bearing Citrus, Crabapple, Elm, English Ivy, Euonymus, Weeping Fig, Fir, Hemlock, Lilac, Mock- orange, Oak, Palm, Palmolive, Pear, Pineapple, Tulip Poplar, Rhododendron, Taxes	Apple, Bagworm, Cicadas, Fall caterpillars, Lacewings, Lacewings, Lacewings, Spider mites, Exposed ticks, Whiteflies	Spray in the late afternoon or evening, when the tem- perature ranges from 60° to 70° F. and when there is little or no wind. Spray at the first indication of insect pests. On these plants that are heavily infested, the spray schedule should be completed before the summer season. 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.
Black	Lacewings		
Cherry, Hemlock	Fall weevils		
Couler	Budworms		
Elm	Elm leaf beetles, Elm sawflies, Fall weevils		
Douglas and Grand Fir	Twisted moths		
Non-bearing Citrus	Chrys black flies		
Oak	Caterpillars		
Pine	Pine beetles, Pine moths, Pine needle miners, Needle scales		
Tulip Poplar	Apple		

375

Chemsico Lawn & Garden Insect Control product label

EPA Reg. No. 9688-84

Page 3 of 5

Treatment Areas	Target	Remarks	Use Rate
Flowers & Flowers Wet the plants to the dripping point. Try to hit underside of leaves and penetrate dense foliage.			
Ageratum, Aster, Azalea, Begonia, Celosia, Camellia, carnation, chrysanthemum, Dianthus, Gladiolus, Gold bells, Hyacinth, Ivy, Lilac, Marigold, Mock-orange, Nannyberry, Orchid, Penny, Pea shrub, Petunia, Poinsettia, Rhododendron, Rose, Snapdragon, Zinnia	Aphids, Bagworms, Cicadas, Fall cankerworms, Insects, Leafminers, Leafrollers, Mosquitoes, Spider mites, Exposed Saps, 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 indication of insect pests. On those plants that will flower during season, the spray schedule should be completed before blossom formation. Repeat as necessary; use intervals of 4 - 8 days. Application can be made up to the date of collection.	1 fl. oz. in 1 gal. of water. Apply as a thorough foliar spray.
Trees Fruits & Nut Wet the plants to the dripping point. Try to hit underside of leaves and penetrate dense foliage.			
Almonds	Naval orange worm, Peach twig borer	Apply when insects appear. Do not make more than 2 applications during full split and 5 applications per season. Can be applied up to 7 days prior to harvest.	2 fl. oz. in 1 gal. of water.
Apples	Plum curculio, Redbanded leaf-rollers, Pear apple aphids, Oblique-banded leafrollers, Spotted leafminer leaf-miners, 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. oz. in 1 gal. of water
Peaches	Lesser peachtree borer, Peach twig borer, Plum curculio, Tarnished plant bugs, Green fruit worm, Oriental fruit moth	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.	2 fl. oz. in 1 gal. of water

Treatment Areas	Target	Remarks	Use Rate
Pears (downward through delayed downward)	Pear psylla	Apply during the dormant through delayed downward growth period only. Do not make more than 2 applications per season.	2 fl. oz. in 1 gal. of water
Pears (summer)	Pear psylla, Codling Mo., Green fruitworm	Apply when needed. Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest.	2 fl. oz. in 1 gal. of water
Vegetables			
Asparagus (pre-harvest)	Caterpillars, Asparagus beetle	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. oz. in 1 gal. of water covers 1,000 sq. ft.
Asparagus (post-harvest)	Larval stages of asparagus beetle, Tarnished plant bugs, Lygus bugs, Adult Japanese beetles	Treat ferns or bush growth after spear harvest when insects are present.	1.5 fl. oz. in 1 gal. of water covers 1,000 sq. ft.
Celery	Vegetable leafminers, Cabbage loopers, Black and greenish caterpillars, Fall, leaf 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. oz. in 1 gal. of water covers 1,000 sq. ft.
Cole Crops: Broccoli, Brussels Sprouts, Cabbage, Cauliflower	Beet armyworms, Diamond back moth, Imported cabbage-worms, 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	Colebeetle beetle, Vegetable leafminers	Apply for uniform coverage as needed. Do not exceed 10 applications. Can be applied up to 3 days prior to harvest.	2 fl. oz. in 1 gal. of water covers 1,000 sq. ft.

UNITED IND R&D/REG

TEL: 1-314-427-6355

Oct 21 92

15:08 No.005 P.04

AVAILABLE COPY

485

Treatment Areas	Target	Remarks	Use Rate
Homesite (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.
Potatoes	Beet armyworms, Colorado potato beetle, Potato aphids, Potato flea beetles, Potato leafhoppers, Aster leafhoppers, Potato tuberworms, Cabbage looper, Cutworms, European corn borer, 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 looper, Flea beetles, Corn earworms, Pepper weevils, European corn borer	Apply as needed, but not more than 8 sprays 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 looper, Cutworms, European corn borer, 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 borer, Fall and Southern armyworms	Apply every 5 days and when needed, but not more than 8 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 hothouses, and for indoor landscaping Agave, Aroid, Aster, Azalea, Baby's breath, Begonia, Bird's nest fern, Bleeding heart, Camellia, Chrysanthemum, Coleus, Crown of thorns, Cockscomb, Cyclamen, Daphniphyllum, Dumbcane, English ivy, Fuchsia, Gladiolus, Grape ivy, Hydrangea ivy, Juniper, Lily, Marigold, Orchid, Palm, Pansy, Peperomia, Petunia, Philodendron, Pigeon plant, Poinsettia, Portulaca, Pothos, Prayer plant, Purple passion, Rabbit's foot fern, Rose, Schefflera, Snapdragons, Spider plant, Sticks, Velvet plant, Verbena, Zinnia	Aphids, Armyworms, Corn earworms, Fall cutworms, Insects, Japanese beetles, Leafminers, Leafrollers, Mosquitoes, Scale, Spider Mites, Spring cutworms, 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 Chemsico Lawn & Garden Insect Control than recommended, as this may cause some plant injury. Use with care on ferns, palms and fuchsias. As with all plants listed above, especially camellias, 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 thrips 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		

BEST AVAILABLE COPY

595

Chensico Lawn & Garden Insect Control product label

EPA Reg. No. 9688-84

Page 5 of 5

Nuisance Pests in Outdoor Areas

Treatment Area	Target	Remarks	Use Rate
Outside surfaces of building	Ants, Clover mites, Chalcids, 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. oz. in 1 quart of water treats 400 linear feet with a 6-inch spray band.
Outdoors	Ants, Lace wing flies, Chalcids, Fleas, Earwigs	For treatment of localized infestations of these insects in outdoor areas where there are weeds or brushy over-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and mounds. Repeat application as infestations occur.	6 2/3 fl. oz. in 1 quart of water treats 400 linear feet with a 6-inch spray band.
	House flies, Mosquitoes, Chalcids, Fleas, Flying ants	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 might or congregate. Repeat as necessary.	
	Tree caterpillars	Application should be made when caterpillars are young and trees are first noticed. For best results, apply in the late afternoon or evening, when caterpillars have returned to their trees. Wet trees with spray on all sides. A few caterpillars may be seen crawling from the tree; however, they should die within several hours.	

Storage and Disposal

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

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

Manufactured in the U.S.A. by Chemagro, Division of United Industries Corporation,

St. Louis, MO 63114-8842

Form: A3-REG © 1982

EPA Reg. No. 9688-84

EPA Est. No. 9688-MO-1

BEST AVAILABLE COPY