

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

NOTICE OF PESTICIDE: ☐ REGISTRATION
☐ REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

EPA REGISTRATION NO.
9866-84

DATE OF ISSUANCE
SEP - 9 1991

TERM OF ISSUANCE
Until Reregistration

NAME OF PESTICIDE PRODUCT
Chemsico Lawn & Garden
Insect Control

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Chemsico
Division of United Industries Corp.
P.O. Box 15842
St. Louis, MO 63114

161 / 5994619
181

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered /Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA sec. 3(c)(5) or FIFRA sec. 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase, "EPA Registration No. 9688-84".
- b. Delete "Replaces "our" Diazinon Formula" or identify by product name the product it replaces. This statement can be used for a period 6 months following the Notice of Registration.
- c. On the front panel beneath the product name add the limitation: "For Use on Residential Lawns and Gardens Only." You may delete the statement "For Homeowners Use."

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

USA

- d. Revise the statement "Do not apply directly to water or wetlands (swamps, bog, marshes and potholes) to read "Do not apply directly to water", since this is a domestic use product.
- e. On the front panel under Controls, change the phrase "many others" to " many other listed insects".
- f. Delete the statements "For residual and contact control of cockroaches, spiders, fleas and many other listed insects" and "Do not use in food handling areas" since this product is intended for lawn and garden use.
- g., Under the Storage and Disposal statement change the statement "Discard container in trash" to "Do not reuse container. Rinse thoroughly before discarding in trash."
- h. Delete deer ticks for the chart as previously requested.

3. Submit five copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

4. All submitted acute toxicity studies are acceptable and based on their acute toxicities the product was assigned the following categories:

<u>STUDY</u>	<u>STUDY CLASSIFICATION</u>	<u>TOXICITY CATEGORY</u>	<u>MRID NUMBER</u>
Acute Inhalation	Guideline	IV	418409-02
Acute Dermal	Core Minimum	IV	418409-03
Skin Sensitization	Core Minimum	Not a sensitizer	418409-04

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

George T. LaRocca
Product Manager 13
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

9866-84
SEP 9 1991

Chemsico Lawn & Garden Insect Control

EPA Reg. No. 9688-84

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. Do not use in food handling areas.

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 or wetlands (swamps, bogs, marshes and potholes). 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.

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

For residual and contact control of cockroaches, spiders, fleas and many other listed insects.

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.

For Homeowner Use

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

(Replaces "Our" Diazinon 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 others

Active Ingredient:

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

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

Keep Out Of Reach of Children

CAUTION

See back panel for additional precautionary statements

Net Contents: 16 fl. oz. (473 ml.)

Three Easy Steps to Use

Step #1:

Determine the size of area to be treated. For lawns, measure the area in square feet. For vegetables, measure the area in square feet. For applications, apply as directed.



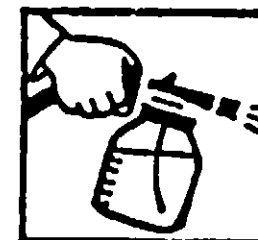
Step #2:

Use clean sprayer. Carefully read and follow the directions of Chemsico Lawn & Garden Insect Control. Apply as suggested in the rate chart.



Step #3:

Spray as directed in the rate chart. Important: Flush sprayer after use. Make applications when needed.



See chart for complete instructions

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

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Directions for Applying Chemsico Lawn & Garden Insect Control

Treatment Areas	Target	Remarks	Use Rate
Home Lawns: Bent, Bermuda, Bluegrass, Dichondra, Fescue, Irish Moss, Merion, St. Augustine	Armyworms, Cutworms, Chinch bugs, Fleas, Japanese beetle grubs, Mole crickets, Brown dog ticks, 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	8 fl. ozs. in 10 gals. of water covers 1,000 sq. ft.
	Ants, Crickets, Grasshoppers		4 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, 60°-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. Equip- ment 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.	8 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, Tulp Poplar, Rhododendron, Taxus	Aphids, Bagworms, Cicadas, Fall cankers, Fall cankers, Fall cankers, Leafminers, Leafrollers, Mealybugs, Spider mites, Exposed thrips, 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 day of collection.	2 fl. ozs. in 1 gal. of water. Apply as a thorough foliar spray.
Birch	Leafminers		
Cherry, Honeysuckle	Fall webworms		
Conifer	Budworms		
Elm	Elm leaf beetles, Elm spanworms, Fall webworms		
Douglas and Grand Fir	Tussock moths		
Non-bearing Citrus	Citrus black flies		
Oak	Oakworms		
Pine	Pine beetles, Pine moths, Pine needle miners, Needle scales		
Tulp Poplar	Aphids		

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, Mock orange, Nannyberry, Orchid, Pansy, Pea shrub, Petunia, Poinsettia, Rhododendron, Rose, Snapdragon, Zinnia	Aphids, Bagworms, Cicadas, Fall cankerworms, Inchworms, Leafminers, Leafrollers, Mealybugs, Spider mites, Exposed thrips, 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.	2 fl. ozs. 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	Neural 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, Roxyapple aphids, Obliquebanded leafrollers, Spotted tentiform leafminers, 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

Treatment Areas	Target	Remarks	Use Rate
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 psyllas	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
Pears (summer)	Pear psyllas, 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 leaf-miners, 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.

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Treatment Areas	Target	Remarks	Use Rate
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 18 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, African 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 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.

Treatment Areas	Target	Remarks	Use Rate
Peppers	Vegetable leafminers, Cabbage loopers, Flea beetles, Corn earworms, Pepper weevils, European corn borers	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 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.
Tomatoes (Florida only) Only for application to tomatoes grown in Florida for food marketing as fresh tomatoes. Do not apply to cherry tomatoes and varieties yielding tomatoes less than 1" in diameter.	Beet and Southern armyworms, Tomato pinworms, Tomato fruitworms, Horn worms, Granulate cutworms, Colorado potato beetles, Cabbage loopers	Apply for uniform coverage when needed but not more than 6 applications per season. Can be applied up to date of harvest.	1 fl. oz. in 1 gal. of water covers 1,000 sq. ft.

Chemsico Lawn & Garden Insect Control

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Nuisance Pests in Outdoor Areas

Treatment Area	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 leafhouses, and for indoor landscaping Agave, Aralia, Aster, Azalea, Baby's breath, Begonia, Bird's-nest fern, Bleeding heart, Carnation, Chrysanthemum, Coleus, Crown of thorns, Cockscomb, Cyclamen, Daffodil, Dumbcane, English ivy, Fuchsia, Gladiolus, Grape ivy, Hyacinth, Juniper, Lily, Marigold, Orchid, Palm, Parrot, Poinsettia, Potentilla, Philodendron, Piggy-back plant, Poinsettia, Portulaca, Pothos, Prayer plant, Purple passion, Rubber tree, Rose, Schefflera, Snake plant, Spider plant, Static, Velvet plant, Verbena, Zinnia	Aphids, Armyworms, Corn earworms, Fall caterpillars, Japanese beetles, Leafminers, Leafrollers, Mealybugs, Scale, Spider Mites, Spring caterpillars, Spotted 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 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.	2 fl. oz. in 1 gal. of water
Chrysanthemums	Leafrollers, Armyworms, Cutworms, Cabbage worms		
Velvet plants	Fungus gnats		

Treatment Area	Target	Remarks	Use Rate
Outside surfaces of building	Ants, Clover mites, Crickets, Earwigs, Millipedes, Sowbugs (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, Deer ticks (which may cause Lyme disease), 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.	

Storage and Disposal

Store in cool, dry area away from heat or open flame. Discard container in trash.

Notice: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither the warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.