

9688-277



10/7/2009

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

OCT - 7 2009

Mr. Eric D. Smith  
Chemsico, Div. of United Industries Corp.  
P.O. Box 142642  
St. Louis, MO 63114

Dear Mr. Smith:

Subject: Application for Pesticide Notification (PRN 98-10)  
Comply with Agency pyrethroid labeling letter dated June 4, 2009  
Chemsico Insecticide Concentrate 8G  
EPA Reg. No. 9688-277,  
Your submission dated September 3, 2009

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated September 3, 2009 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

Sincerely,

*Dana R. Pelitt*

*RG* Richard Gebken  
Product Manager 10  
Insecticide Branch  
Registration Division (7505P)



September 3, 2009

Document Processing Desk (NOTIF)  
Office of Pesticide Programs  
United States Environmental Protection Agency  
Room S4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202-4501

Attention: Ms. Kimberly Nesci  
Product Manager Team 13

Subject: **NOTIFICATION: Label Notification per EPA's June 4, 2009 General Labeling for Pyrethroid Notification letter**  
**Chemsico Insecticide Concentrate 8G**  
**EPA Reg. No. 9688-277**

Please find the enclosed application for notification of the following registration amendment:

Environmental Hazard and General Labeling for Pyrethroid Non-Agricultural Outdoor Products per the June 4, 2009 Letter from EPA:

We have adopted the appropriate label statements to be included in the "Directions for Use" section of the label.

*This notification is consistent with the guidance in the June 4, 2009 letter and the requirements of EPA's regulations at 40 CFR part 156. No other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR part 156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.*

The following documents are enclosed in support of this submission:

1. Application for Pesticide (EPA Form 8570-1)
2. One copy of the proposed label *with changes highlighted*
3. One clean copy of the proposed label

Please call me at 1-800-242-1166, Ext. 2455 or via email: [eric.smith@spectrumbrands.com](mailto:eric.smith@spectrumbrands.com), if you have questions or need further information. Thank you very much for your attention to our application.

Sincerely,



Eric D. Smith  
Regulatory Affairs Manager

# Chemsico Insecticide Concentrate 8G

For Outdoor Use Around the Home Only

## Claims for a General Use Product

[Protects Listed Areas:] [Protects] Lawns, Vegetables, Fruit and Nut Trees, Roses, Flowers, Trees, Shrubs • Wide Range of Control: [Controls] Ants, Aphids, Chinch Bugs, Cutworms, Flea Beetles, Grubs, Mites, Sod Webworms & many others as listed • Controls tough outdoor insects as listed • Kills listed Lawn and Garden Insects...including grubs, chinch bugs, European crane flies, fleas, fire ants, mosquitoes, sod webworms, aphids, Japanese beetles, whiteflies, ants, mites, ticks [Deer, Lone star, Brown dog, American dog] and other listed insects • Kills grubs • Keeps Killing Listed Nuisance Pests Outside the Home for Up to 8 Weeks [2 months]\* • Up to 8 week [2 month]\* Control of Outdoor Surfaces for Up to 8 Weeks [2 months]\* • Kills Fast • Fast Kill Formula • Connect and Nuisance Pests • Low Odor [Formula] • Spray Concentrate • Concentrated Insect Spray • Kills 180+ listed Pests [by Contact] • \*Guaranteed Results or Your Money Back • Makes up to 42 gallons • Covers up to 5,120 square feet of lawn • Water-based • Long Lasting Formula up to 8 weeks [2 months]\* • Fast Acting Formula • Soil and Turf Insecticide • For Soil and Turf Insect Control • Non-staining • Works [Kills] in 24 Hours • Kills Grubs in 24 Hours • Broad Spectrum [Insect Killer] [Insecticide] [Concentrate] see listed pests • Fast Acting [Long Lasting Up to 8 weeks [2months]\*] Formula • Won't [Harm] [Kill] Earthworms • Kills over 180 listed pests by contact • For Lawn [Garden] Insects • Kills Japanese Beetles Fast • Long Lasting up to 8 weeks [2months]\* Protection From Insect Damage • Kills and Repels listed Insects • Kills 180+ listed Insects [by Contact] • Kills Above & Below Ground] • For Lawns & Landscape • Mix with water • Attach To Hose

## Fire Ant Claims

[Kills Fire Ants in 24 Hours • Kills Fire Ant Mounds in 24 hours • Kills the Queen • Kills the Fire Ant Mound • Kills the Queen and Mound • Controls Fire Ants for up to Four Weeks]

\*up to 4 weeks [1month] against fire ants.

Active Ingredient	0.08%
Gamma-Cyhalothrin	99.92%
Other Ingredients	

KEEP OUT OF REACH OF CHILDREN

**CAUTION** See each of booklet for additional precautionary statements [Option for booklet label. See back booklet for additional precautionary statements]

NET CONTENTS 1 QUART/ 32 fl oz / 946 mL

## OPTIONAL PRODUCT FACT BOX

### PRODUCT FACT BOX

#### What it Does:

Kills Grubs, Ants, Fleas, Chinch Bugs, Mosquitoes, Sod Webworms, Aphids, Beetles, Whiteflies, Mites, Deer Ticks, Japanese Beetles, European Crane Flies, Fire Ants and Other Listed Insects

#### Where to Use:

(icon outdoors)

#### Questions & Comments:

(phone icon) (computer icon)

Call 1-800-332-5553 or Visit our Website at [www.xxxx.com](http://www.xxxx.com)

**STOP. READ ENTIRE LABEL BEFORE USE.**

## DIRECTIONS FOR USE

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



Do not allow children or pets into the treated area until dry.

- 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
  3. Applications to building foundations, up to a maximum height of 6 feet. Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications, only.
- 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.

In New York State, this product may not be applied to lawns within 100 ft of a coastal marsh, or stream that drains directly into a coastal marsh.

4/11

**HOW TO MIX AND APPLY**

**STEP 1**

**Determine size of spraying job.** For lawns and vegetables, measure the area to be sprayed. For trees, shrubs and flowers, apply as a thorough cover spray. Make applications when insects first appear. Applications should be repeated only as directed to maintain control.

**STEP 2**

**Use a clean sprayer.** Carefully measure and mix the amount of product and water as indicated in the [rate chart][directions]. It is always a good idea to wear [disposable] gloves when handling pesticides. **Kitchen utensils such as measuring cups and measuring spoons should not be used for food purposes after use with pesticides.**

**STEP 3**

**Spray as directed [in rate chart].** Thorough coverage is important.

**STEP 4**

Flush sprayer with clean water after each use.

**See [chart][directions] for list of use sites, plants and insects controlled.** Use the rate given in the [chart][directions] for the type of insect you want to control on the site or plant you are spraying.

**MEASUREMENT CONVERSIONS**

- 1 Tablespoon = 3 teaspoons, 1 fl. oz. = 6 teaspoons or 2 tablespoons, 6 fl. oz. = ¾ cup
  - 1 ½ Tablespoons in 3 gallons of water = 1½ teaspoons in 1 gallon of water
  - 2 Tablespoons in 3 gallons of water = 2 teaspoons in 1 gallon of water
- NOTE:** This product is non-staining to most home siding depending on age and cleanliness. However, before using in areas where the spray may contact home siding (vinyl siding in particular), test in an inconspicuous area and recheck in a few hours. Do not use if any staining is observed.

**LAWNS**

**UNDERGROUND INSECTS/THATCH INFESTING INSECTS including Blue grass billbug (adult), Black turfgrass Ataenius (adult), chiggers, chinch bugs, white grubs (Japanese beetle, European chaffer, Southern chaffer), dung beetle and hyperodes weevils (adult), European crane flies, and mole crickets (nymphs and young adults) Mix 1.5 fl.oz. (3 Tablespoons) in 1 gallon of water to treat 120 sq.ft. For sub-surface insect control (mole crickets, grubs) water treated area with additional ¼ to ½ inch of water for optimum results. [1 quart of Chemsico Insecticide Concentrate 8G treats 2560 sq. ft.] Do not apply more than seven (7) times per year per location.**

**SURFACE INSECTS including ants\*, armyworms, cockroaches, crickets, cutworms, earwigs, fleas, lawn moths (sod webworms), millipedes, mosquitoes, palmetto bugs, sowbugs, mites, spittlebugs, and waterbugs.** Thoroughly wet down grass a few hours before applying. Mix 1.5 fl.oz. (3

Tablespoons) in 1 gallon of water to cover [treat] 240 sq. ft.. Delay additional watering or mowing for 24 hours after application for optimum control of surface insects. For heavy infestations or to kill **Lone star ticks, Brown dog ticks, American dog ticks and deer ticks (which may transmit Lyme Disease)** use rate can be increased to 6 fl.oz./1000 sq.ft. [1 quart of Chemsico Insecticide Concentrate 8G treats up to 5120 sq. ft.] Do not apply more than 14 (fourteen) times per year per location.

**WHEN TO TREAT:** Treat the following pests during the months indicated or when first noticed.

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
				Billbugs				Grubs			
					Dung beetle/grubs						
					Hyperodes weevils						
<b>Treat ants* and other insects when they first appear or you notice lawn damage.</b>											

\*Argentine, Southern, Field, Allegheny mound, Florida carpenter, Cornfield, Honey, Pavement, Nuisance.

**[NUISANCE] PESTS OUTSIDE THE HOME**

**[HOME BARRIER TREATMENT]** Mix 1.5 fl.oz. (3 Tablespoons) in 1 gallon of water and apply as a continuous band of insecticide around building foundation and around windows, doors, eaves, vents and other areas to greatly reduce the potential for entry by crawling pests. For easier application, remove debris and leaf litter from next to the foundation, cut back vegetation and branches that touch the foundation, and move or rake back rocks, deep mulch, or other potential pest harborage next to the foundation. Apply a 3 ft. band around the structure and upwards along the foundation to 3 feet and around windows, doors, and roof overhangs. Apply as a coarse spray to thoroughly and uniformly wet the foundation and/or band area so that the insecticide will reach the soil or thatch level where pests may be active. 1 gallon will treat 240 sq. ft. of surface area. Repeat application every 8 weeks [2 months].

**OUTDOOR SURFACES USE:** For control of ants\*, centipedes, cockroaches, crickets, fleas, millipedes, mosquitoes, palmetto bugs, scorpions, sowbugs, pillbugs, spiders, deer ticks and waterbugs. Mix 1.5 fl.oz. (3 Tablespoons) in one gallon of water and apply as a residual treatment to ornamental plants next to foundations of buildings and to surfaces of buildings, porches, screens, window frames, eaves, patios, garages and other similar areas where these pests are active. Repeat application every 8 weeks [2 months].

\*Argentine, Southern, Field, Allegheny mound, Florida carpenter, Cornfield, Honey, Pavement, Nuisance.

**FIRE ANT MOUNDS**

Mix 3.0 fl. oz. (6 Tbsp) in 1 gallon of water and apply to each fire ant mound. Thoroughly wet the mound and surrounding area to a 4 ft. diameter. For best results

5111

apply in cool weather, 65° to 80° F, or in the early morning or late evening. Kills the entire mound, including the queen, in 24 hours. Treat new mounds as they appear. Do not disturb the mound prior to treatment.

## ORNAMENTAL TREES, SHRUBS AND FLOWERS

[For use on ornamental trees, shrubs and flowers such as but not limited to: Ageratum, Ash, Aster, Arbovitae, Arizona Cypress, Azaleas, Begonia, Birch, Boxwood, Box Elder, Camellias, Cherry (ornamental), Non-bearing Citrus, Chrysanthemums, Carnations, Coleus, Common Ninebark, Conifers, Douglas Fir, Elm, English Ivy, Euonymus, Exacum, Weeping Fig, Fir, Gladioli, Gold Bells, Hawthorn, Holly, Honeysuckle, Hypoestes, Ivy, Juniper, Lilac, Locust, Maple, Marigold, Mimosa, Mock Orange, Nannyberry, Oak, Orchid, Palm, Pansy, Pea Shrub, Petunia, Philodendron, Pine, Ornamental Plum, Poinsettia, Poplar, Tulip Poplar, Rhododendron, Roses, Snapdragon, Snowberry, Spruce, Taxus, Willow, Zinnia.]

To control [kill] ants\*, armyworms, azalea caterpillar, aphids, bagworms, black vine weevil (adult), box elder bugs, budworms, California oakworm, cankerworms, cockroaches, crickets, cutworms, Eastern tent caterpillar, elm leaf beetles, European sawfly, fall webworm, flea beetles, forest tent caterpillar, gypsy moth larvae, Japanese beetles (adults), June beetles (adults), lace bugs, leaf-feeding caterpillars, leathoppers, leafminers (adults), leaf rollers, leaf skeletonizers, midges, oleander moth larvae, pillbug, pine sawfly, pine shoot beetles, pinetip moths, plant bugs, root weevil, sawfly, scale insects (crawlers), spiders, spittlebugs, striped beetles, striped oakworm, thrips, tip moth, tussock moth larvae: Mix 0.75 fl. oz. (1 1/2 Tablespoons) in 1 gallon of water.

To control [kill] broadmites, brown softscale, California redscale (crawler), clover mites, mealybugs, pineneedle scale (crawler), spider mites and whiteflies: Mix 1.5 fl.oz. (3 Tablespoons) in 1 gallon of water.

\*Argentine, Southern, Field, Allegheny mound, Florida carpenter, Cornfield, Honey, Pavement, Nuisance.

## USE TIPS

- For best results, apply early before insect populations are high.
- For scale control, treat entire plant, including stem, trunks and twigs.
- For bagworm control, apply when bagworm larvae begin to hatch.
- For best results, apply to both sides of plant leaves and all plant surfaces where insects are present.

## VEGETABLES

Mix 1.5 fl.oz. (3 Tablespoons) in 1 gallon of water and apply to 300 sq.ft. Apply when insects appear or when damage occurs. Spray to wet all infested plant surfaces.

Do not apply more than 5 times per growing season to corn. For all other crops do not apply more than 9 times per growing season.

For use on Broccoli, Brussels Sprouts, Cabbage, Cavalo Broccoli, Cauliflower, Chinese Broccoli, Chinese Cabbage, Chinese Mustard, and Kohlrabi to control [kill]: Alfalfa Looper, Cabbage Looper, Imported Cabbageworm, Southern Cabbageworm, Cutworm, Cabbage Webworm, Diamondback moth, Armyworm, Beet Armyworm, Fall Armyworm, Yellow-striped Armyworm, Corn Earworm, Flea Beetle, Japanese Beetle (Adult), Grasshopper, Leafhopper, Plant Bug, including Lygus Bug, Stink Bug, Meadow Spittlebug, Aphid, Whitefly, Thrips, Spider Mite.

For use on Corn (sweet and pop) to control [kill] Cutworm, Western Bean Cutworm, Corn Earworm, Green Cloverworm, Meadow Spittlebug, Tobacco Budworm, European Corn Borer, Southwestern Corn Borer, Stalk Borer, Hop Vine Borer, Armyworm, Beet armyworm, Western Corn Rootworm Beetle (adult), Northern Corn Rootworm Beetle (adult), Southern Corn Rootworm Beetle (adult), Mexican Corn Rootworm Beetle (adult), Bean Leaf Beetle, Cereal Leaf Beetle, Japanese Beetle (adult), Sap Beetle (adult), Stink Bug, Grasshopper, Corn Leaf Aphid, English Grain Aphid, Chinch Bug, Green Bug.

Sweet corn only: Southern Armyworm, Western Bean Cutworm, Tarnished Plant Bug, Aster Leafhopper, Aphid, Spider Mite, Corn silkworm (adult).

For use on Lettuce (head and leaf) to control [kill]: Alfalfa Looper, Cabbage Looper, Imported Cabbageworm, Cutworm, Saltmarsh Caterpillar, Green Cloverworm, Diamondback moth, Armyworm, Beet Armyworm, Fall Armyworm, Southern Armyworm, Corn Earworm, Tobacco Budworm, European Corn Borer, Flea Beetle, Japanese Beetle (Adult), Vegetable Weevil (adult), Grasshopper, Leafhopper, Plant Bug, Stink Bug, Meadow Spittlebug, Aphid, Whitefly, Spider Mite.

For use on Onion (bulb) and Garlic to control [kill]: Cutworm, Seedcorn Maggot (adult), Onion Maggot (adult), Leafminer, (adult), Armyworm, Onion Thrips; Tobacco Thrips, Western Flower Thrips, Flower Thrips, Aphid, Plant Bug, Stink Bug.

For Use on Tomato, Tomatillo, Peppers (bell and nonbell), Eggplant, Ground Cherry and Pepino to control [kill]: Cabbage Looper, Cutworm spp., Hornworm, Tomato Fruitworm, Tobacco Budworm, Tomato Pinworm, Beet Armyworm, Southern Armyworm, Yellow-striped Armyworm, Fall Armyworm, European Corn Borer, Leafminer, Colorado Potato Beetle, Flea Beetle, Grasshopper, Leafhopper, Aphid, Whitefly, Meadow Spittlebug, Stink Bug, Plant Bug, Stalk Borer, Blister Beetle, Japanese Beetle (adult), Vegetable Weevil, Cucumber Beetle (adult).

For use on Asparagus: beans, Snap Beans, Wax Beans Black-eyed Peas, Garden Peas, Green Peas and Sugar Snap Peas to control [kill]: Cutworm spp., Green

Cloverworm, Imported Cabbageworm, Saltmarsh Caterpillar, Velvetleaf Caterpillar, Mexican Bean Beetle, Corn Earworm, Painted Lady Butterfly (Larva), European Corn Borer, Looper spp., Western Bean Cutworm, Armyworm, Yellow-Striped Armyworm, Western Yellow-Striped Armyworm, Bean Leaf-skeletonizer, Webworm spp., Leafminer spp., Alfalfa Caterpillar, Stalk Borer, Cucumber Beetle (adult), Corn Rootworm Beetle (adult), Flea Beetle (adult), Blistert Beetle, Bean Leaf Beetle, Japanese Beetle (adult), Leafhopper spp., Fleas Hopper spp., Three-Cornered Alfalfa Hopper, Meadow Spittle Bug, Stink Bug spp., Plant Bug spp., Grasshopper, Thrips spp., Aphid spp.

For use on Lettuce (Head and Leaf) to control [kill]: Alfalfa Looper, Cabbage Looper, Imported Cabbageworm, Cutworm spp., Saltmarsh Caterpillar, Green Cloverworm, Armyworm, Beet Armyworm, Fall Armyworm, Corn Earworm, European Corn Borer, Flea Beetle spp., Japanese Beetle (adult), Vegetable Beetle (adult), Grasshopper, Leafhopper, Plant Bug, Stink Bug, Meadow Spittlebug.

NUMBER OF DAYS TO WAIT BETWEEN THE LAST APPLICATION AND HARVEST		PHI
VEGETABLES		
Broccoli, Brussels sprouts, Cabbage, Cavalo Broccoli, Cauliflower, Chinese Broccoli, Chinese Cabbage, Chinese Mustard, Kohlrabi, Lettuce (Head & Leaf)		1
Tomato, Tomatillo, Peppers (bell and nonbell), Eggplant, Ground Cherry and Pepino		5
Onions (bulb), Garlic		14
Corn (sweet and pop)		21
Asparagus beans, Snap Beans, Wax Beans Black-eyed Peas, Garden Peas, Green Peas and Sugar Snap Peas		7
Lettuce (Leaf and Head)		1
PHI = Pre-Harvest Interval		

**FRUIT AND NUT TREES**

Mix 1.5 fl.oz. (3 Tablespoons) in 1 gallon of water and apply to 300 sq.ft. Apply when insects appear or when damage occurs. Spray to wet all infested plant surfaces.

For Fruit Trees do not apply more than 9 times per year, and only apply 5 times after blooms have formed. For Nut Trees do not apply more than 6 times per year, and only apply 5 times after blooms have formed.

For use on Apple, Crabapple, Loquat, Mayhaw, Oriental Pear, Pear and Quince to control [kill]: Leafhopper spp., Codling Moth, Tufted Apple Budworm, Oriental Fruit Moth, Lesser Appleworm, Green Fruitworm, Tent Caterpillar spp., Tentiform Leaf Miner spp., Apple Maggot (adult), Pear Sawfly, Plum Curculio,

Japanese Beetle, Plant Bug, Stink Bug, Leafhopper, Periodical Cicada, Apple Aphid, Rosy Apple Aphid, Pear Psylla, San Jose Scale (on fruit only).

For use on Apricot, Sweet Cherry, Tart Cherry, Nectarine, Peach, Plum (Chickasaw, Damson, Japanese), Plumcot and Prune to control [kill]: Leafroller spp., Peach Twig Borer, Oriental Fruit Moth, Peachtree Borer spp., Green Fruitworm, Tent Caterpillar spp., American Plum Borer, Cherry Fruit Fly spp., (adult), Plum Curculio, Rose Chafer, Japanese Beetle, Plant Bug, Stink Bug, Leafhopper spp., Periodical Cicada, Black Cherry Aphid.

For use on Almond, Beech Nut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (Hazelnut), Hickory Nut, Macadamia Nut, Walnut (Black and English) and Pecan to control [kill]: Leafroller spp., Navel Orangeworm, Codling moth, Filbertworm, Peach Twig Borer, Walnut Husk Fly spp. (adult), Ants, Plant Bug, Stink Bug, Chinch Bug, Leafhopper, Pecan Aphid, Hickory Shuckworm, Pecan Casebearer spp., Pecan Weevil, Pecan Aphid spp., Pecan Spittlebug, Pecan Phylloxera spp.

NUMBER OF DAYS TO WAIT BETWEEN THE LAST APPLICATION AND HARVEST		PHI
Fruit and Nut Trees		
Apple, Crabapple, Loquat, Mayhaw, Oriental Pear, Pear, Quince		21
Apricot, Sweet Cherry, Tart Cherry, Nectarine, Peach, Plum (Chickasaw, Damson, Japanese), Plumcot and Prune		14
Almond, Beech Nut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (Hazelnut), Hickory Nut, Macadamia Nut, Walnut (Black and English) and Pecan		14
PHI = Pre-Harvest Interval		

**STORAGE AND DISPOSAL**

**Pesticide Storage:** Store in a cool dry area away from heat or open flame.  
**Pesticide Disposal:** If empty: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

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

**CAUTION:** Harmful if swallowed. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**FIRST AID**

7/11

**If Swallowed:** Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a Poison Control Center or doctor for treatment advice.

#### Environmental Hazards

This product is extremely toxic to fish. 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. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

**NOTICE: To the extent consistent with applicable law Buyer assumes all responsibility for safety and use not in accordance with directions.**

[Questions or comments? Call 1-800-332-5553]

[\*If you are not satisfied with this product for any reason, send your written request for a refund to the address below, together with the original dated store receipt showing the price you paid. Please allow 6-8 weeks for processing.]

Made in the USA for  
Chemsico, Division of United Industries Corporation  
PO Box 142642, St. Louis, MO 63114-0642

EPA Reg. No.: 9688-277

EPA Est. No.: 9688-MO-1  
© 2009

## OPTIONAL READY SPRAY NOZZLE DIRECTIONS

**STOP. READ ENTIRE LABEL BEFORE USE.**

### DIRECTIONS FOR USE

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



**Do not allow children or pets into the treated area until dry.**

- Do not water the treated area to the point of run-off.
- Do not make applications during rain.
- 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.

**In New York State, this product may not be applied to lawns within 100 ft of a coastal marsh, or stream that drains directly into a coastal marsh.**

### HOW TO APPLY

Determine the size of the spraying job. For lawns measure the area to be sprayed. For trees, shrubs and flowers, apply as a thorough cover spray. Begin treating when insects first appear. Applications should be repeated only as directed to maintain control. Apply as directed [in the rate chart]. Remember, thorough coverage is important. Be sure to follow the important use limitations for the specific vegetable you are treating, including the amount of spray that can be applied, the interval between treatments and the days to wait before harvest.

**USING THE READY SPRAY NOZZLE (Optional subheading)**

1. Shake container well before using.
2. Connect a garden hose to the Ready Spray nozzle. Make sure the dial on the nozzle is in the "OFF" position with the [green] safety tab in the valve notch.
3. Turn on water at faucet. Extend hose to the farthest area to be treated and work back toward the faucet so you don't come in contact with the treated area.
4. To BEGIN spraying, point nozzle toward treatment site and a.) bend the [green]



safety tab back (located at right of yellow dial) with your thumb, b.) hold while turning yellow dial clockwise until it stops. Water will automatically mix with the product.

5. Spray until wet to control insects. Walk at a steady pace while spraying using an even sweeping motion, slightly overlapping treated areas.
6. To STOP spraying, QUICKLY turn the dial counter clockwise until it stops and the safety tab engages into the notch on the valve. Turn water off at faucet. To relieve pressure before removing nozzle from hose, bend the safety tab back and turn dial "ON" until water stops spraying.
7. To STORE unused product, make sure the dial is in the "OFF" position with [green] safety tab in the valve notch. Place in cool area away from heat, sunlight or open flame.

†NOTE: This product is non-staining to most home siding depending on age and cleanliness. However, before using in areas where the spray may contact home siding (vinyl siding in particular), test in an inconspicuous area and recheck in a few hours. Do not use any if any staining is observed.

**LAWNS**

**THATCH INFESTING INSECTS/UNDERGROUND INSECTS** including Blue grass billbug (adult), Black turfgrass *Ataenius* (adult), chiggers, chinch bugs, white grubs (Japanese beetle, European chafer, Southern chafer), dung beetle and hyperodes weevils (adult) and mole crickets (nymphs and young adults). Use 1 quart of Chemsico Insecticide Concentrate 8G to treat [cover] 2560 sq. ft. of lawn. For sub-surface insect control (mole crickets, grubs) water treated area with additional ¼ to ½ inch of water for optimum results. Do not apply more than seven (7) times per year per location.

**SURFACE INSECTS** including ants\*, armyworms, cockroaches, crickets, cutworms, earwigs, fleas, lawn moths (sod webworms), millipedes, mosquitoes, palmetto bugs, sowbugs, mites, spittlebugs, Lone star ticks, Brown dog ticks, American dog ticks, deer ticks (which may transmit Lyme Disease) and waterbugs. Use 1 quart of Chemsico Insecticide Concentrate 8G to treat [cover] 5120 sq. ft. of lawn. Thoroughly wet down grass a few hours before applying. Delay additional watering or mowing for 24 hours after application for optimum control of surface insects. Do not apply more than fourteen (14) times per year per location.

**WHEN TO TREAT:** Treat the following pests during the months indicated or when first noticed.

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
			Billbugs				Grubs				
			Dung beetle grubs								
			Hyperodes weevils								
†Treat ants* and other insects when they first appear or you notice lawn damage.											

\*Argentine, Southern, Field, Allegheny mound, Florida carpenter, Cornfield, Honey, Pavement, Nuisance.

**ORNAMENTAL TREES, SHRUBS AND FLOWERS**

[For use on ornamental trees, shrubs and flowers such as but not limited to: Ageratum, Aster, Arbovitae, Arizona Cypress, Azaleas, Begonia, Birch, Boxwood, Box Elder, Camellias, Carnations, Cherry (ornamental), Chrysanthemums, Carnations, Coleus, Common Ninebark, Conifers, Douglas Fir, Elm, English Ivy, Euonymus, Exacum, Weeping Fig, Fir, Gladioli, Gold Bells, Hawthorn, Holly, Honeysuckle, Hypoestes, Ivy, Juniper, Lilac, Locust, Maple, Marigold, Mimosa, Mock Orange, Nannyberry, Oak, Orchid, Palm, Pansy, Pea Shrub, Petunia, Philodendron, Pine, Ornamental Plum, Poinsettia, Poplar, Tulip Poplar, Rhododendron, Roses, Snapdragon, Snowberry, Spruce, Taxus, Weeping Fig, Willow, Zinnia.]

To control [kill] ants\*, armyworms, azalea caterpillar, aphids, bagworms, black vine weevil (adult), boxelder bugs, budworms, California oakworm, cankerworms, cockroaches, crickets, cutworms, Eastern tent caterpillar, elm leaf beetles, European sawfly, fall webworm, flea beetles, forest tent caterpillar, gypsy moth larvae, Japanese beetles (adults), June beetles (adults), lace bugs, leaf-feeding caterpillars, leafhoppers, leafminers (adults), leafrollers, leaf skeletonizers, midges, oleander moth larvae, pillbug, pine sawfly, pine shoot beetles, pinetip moths, plant bugs, root weevil, sawfly, scale insects (crawlers), spiders, spittlebugs, striped beetles, striped oakworm, thrips, tip moth, tussock moth larvae, broadmites, brown softscale, California redscale (crawler), clover mites, mealybugs, pineneedle scale (crawler), spider mites and whiteflies.

\*Argentine, Southern, Field, Allegheny mound, Florida carpenter, Cornfield, Honey, Pavement, Nuisance.

Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to spray underside of leaves and penetrate dense foliage.

**USE TIPS**

- For best results, apply early before insect populations are high.
- For scale control, treat entire plant, including stem, trunks and twigs.
- For bagworm control, apply when bagworm larvae begin to hatch.
- For best results, apply to both sides of plant leaves and all plant surfaces where insects are found.

**VEGETABLES**

Apply when insects appear or when damage occurs. Spray to wet all infested plant surfaces. Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to spray underside of leaves and penetrate dense foliage. 1 qt. will treat 6144 sq. ft. of vegetable plants.

9/11

Do not apply more than 5 times per growing season to corn. For all other crops do not apply more than 9 times per growing season.

For use on Broccoli, Brussels Sprouts, Cabbage, Cavalo Broccoli, Cauliflower, Chinese Broccoli, Chinese Cabbage, Chinese Mustard, and Kohlrabi to control [kill]: Alfalfa Looper, Cabbage Looper, Imported Cabbageworm, Southern Cabbageworm, Cutworm, Cabbage Webworm, Diamondback moth, Armyworm, Beet Armyworm, Fall Armyworm, Yellow-striped Armyworm, Corn Earworm, Flea Beetle, Japanese Beetle (Adult), Grasshopper, Leafhopper, Plant Bug, including Lygus Bug, Stink Bug, Meadow Spittlebug, Aphid, Whitefly, Thrips, Spider Mite.

For use on Corn (sweet and pop) to control [kill] Cutworm, Western Bean Cutworm, Corn Earworm, Green Cloverworm, Meadow Spittlebug, Tobacco Budworm, European Corn Borer, Southwestern Corn Borer, Stalk Borer, Hop Vine Borer, Armyworm, Beet armyworm, Western Corn Rootworm Beetle (adult), Northern Corn Rootworm Beetle (adult), Southern Corn Rootworm Beetle (adult), Mexican Corn Rootworm Beetle (adult), Bean Leaf Beetle, Cereal Leaf Beetle, Japanese Beetle (adult), Sap Beetle (adult), Stink Bug, Grasshopper, Corn Leaf Aphid, English Grain Aphid, Chinch Bug, Green Bug.

Sweet corn only: Southern Armyworm, Western Bean Cutworm, Tarnished Plant Bug, Aster Leafhopper, Aphid, Spider Mite, Corn silkworm (adult).  
For use on Lettuce (head and leaf) to control [kill]: Alfalfa Looper, Cabbage Looper, Imported Cabbageworm, Cutworm, Saltmarsh Caterpillar, Green Cloverworm, Diamondback moth, Armyworm, Beet Armyworm, Fall Armyworm, Southern Armyworm, Corn Earworm, Tobacco Budworm, European Corn Borer, Flea Beetle, Japanese Beetle (Adult), Vegetable Weevil (adult), Grasshopper, Leafhopper, Plant Bug, Stink Bug, Meadow Spittlebug, Aphid, Whitefly, Spider Mite.

For use on Onion (bulb) and Garlic to control [kill]: Cutworm, Seedcorn Maggot (adult), Onion Maggot (adult), Leafminer, (adult), Armyworm, Onion Thrips, Tobacco Thrips, Western Flower Thrips, Flower Thrips, Aphid, Plant Bug, Stink Bug.

For Use on Tomato, Tomatillo, Peppers (bell and nonbell), Eggplant, Ground Cherry and Pepino to control [kill]: Cabbage Looper, Cutworm spp., Hornworm, Tomato Fruitworm, Tobacco Budworm, Tomato Pinworm, Beet Armyworm, Southern Armyworm, Yellow-striped Armyworm, Fall Armyworm, European Corn Borer, Leafminer, Colorado Potato Beetle, Flea Beetle, Grasshopper, Leafhopper, Aphid, Whitefly, Meadow Spittlebug, Stink Bug, Plant Bug, Stalk Borer, Blister Beetle, Japanese Beetle (adult), Vegetable Weevil, Cucumber Beetle (adult).

For use on Asparagus beans, Snap Beans, Wax Beans Black-eyed Peas, Garden Peas, Green Peas and Sugar Snap Peas to control [kill]: Cutworm spp., Green Cloverworm, Imported Cabbageworm, Saltmarsh Caterpillar, Velvetleaf Caterpillar, Mexican Bean Beetle, Corn Earworm, Painted Lady Butterfly

(Larva), European Corn Borer, Looper spp., Western Bean Cutworm, Armyworm, Yellow-Striped Armyworm, Western Yellow-Striped Armyworm, Bean Leafskeltonizer, Webworm spp., Leaf-tier spp., Alfalfa Caterpillar, Stalk Borer, Cucumber Beetle (adult), Corn Rootworm Beetle (adult), Flea Beetle (adult), Blister Beetle, Bean Leaf Beetle, Japanese Beetle (adult), Leafhopper spp., Fleas Hopper spp., Three-Cornered Alfalfa Hopper, Meadow Spittle Bug, Stink Bug spp., Plant Bug spp., Grasshopper, Thrips spp., Aphid spp.

For use on Lettuce (Head and Leaf) to control [kill]: Alfalfa Looper, Cabbage Looper, Imported Cabbageworm, Cutworm spp., Saltmarsh Caterpillar, Green Cloverworm, Armyworm, Beet Armyworm, Fall Armyworm, Corn Earworm, European Corn Borer, Flea Beetle spp., Japanese Beetle (adult), Vegetable Beetle (adult), Grasshopper, Leafhopper, Plant Bug, Stink Bug, Meadow Spittlebug.

NUMBER OF DAYS TO WAIT BETWEEN THE LAST APPLICATION AND HARVEST		PHI
VEGETABLES		
Broccoli, Brussels sprouts, Cabbage, Cavalo Broccoli, Cauliflower, Chinese Broccoli, Chinese Cabbage, Chinese Mustard, Kohlrabi, Lettuce (Head & Leaf)		1
Tomato, Tomatillo, Peppers (bell and nonbell), Eggplant, Ground Cherry and Pepino		5
Onions (bulb), Garlic		14
Corn (sweet and pop)		21
Asparagus beans, Snap Beans, Wax Beans Black-eyed Peas, Garden Peas, Green Peas and Sugar Snap Peas		7
Lettuce (Leaf and Head)		1
PHI = Pre-Harvest Interval		

**FRUIT AND NUT TREES**

Apply when insects appear or when damage occurs. Spray to wet all infested plant surfaces. Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to spray underside of leaves and penetrate dense foliage. 1 qt. will treat 6144 sq. ft. of fruit and nut trees.

For Fruit Trees do not apply more than 9 times per year, and only apply 5 times after blooms have formed. For Nut Trees do not apply more than 6 times per year, and only apply 5 times after blooms have formed.

For use on Apple, Crabapple, Loquat, Mayhaw, Oriental Pear, Pear and Quince to control [kill]: Leafhopper spp., Codling Moth, Tufted Apple Budworm, Oriental Fruit Moth, Lesser Appleworm, Green Fruitworm, Tent Caterpillar spp., Tentiform Leaf Miner spp., Apple Maggot (adult), Pear Sawfly, Plum Curculio, Japanese Beetle, Plant Bug, Stink Bug, Leafhopper, Periodical Cicada, Apple Aphid, Rosy Apple Aphid, Pear Psylla, San Jose Scale (on fruit only).

For use on Apricot, Sweet Cherry, Tart Cherry, Nectarine, Peach, Plum (Chickasaw, Damson, Japanese), Plumcot and Prune to control [kill]: Leafroller spp., Peach Twig Borer, Oriental Fruit Moth, Peachtree Borer spp., Green Fruitworm, Tent Caterpillar spp., American Plum Borer, Cherry Fruit Fly spp., (adult), Plum Curculio, Rose Chafer, Japanese Beetle, Plant Bug, Stink Bug, Leafhopper spp., Periodical Cicada, Black Cherry Aphid.

For use on Almond, Beech Nut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (Hazelnut), Hickory Nut, Macadamia Nut, Walnut (Black and English) and Pecan to control [kill]: Leafroller spp., Navel Orangeworm, Codling moth, Filbertworm, Peach Twig Borer, Walnut Husk Fly spp. (adult), Ants, Plant Bug, Stink Bug, Chinch Bug, Leaffooted Bug, Walnut Aphid, Hickory Shuckworm, Pecan Casebearer spp., Pecan Weevil, Pecan Aphid spp., Pecan Spittlebug, Pecan Phylloxera spp.

NUMBER OF DAYS TO WAIT BETWEEN THE LAST APPLICATION AND HARVEST	
Fruit and Nut Trees	PHI
Apple, Crabapple, Loquat, Mayhaw, Oriental Pear, Pear, Quince	21
Apricot, Sweet Cherry, Tart Cherry, Nectarine, Peach, Plum (Chickasaw, Damson, Japanese), Plumcot and Prune	14
Almond, Beech Nut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (Hazelnut), Hickory Nut, Macadamia Nut, Walnut (Black and English) and Pecan	14
PHI = Pre-Harvest Interval	

**STORAGE AND DISPOSAL**

**Pesticide Storage:** Store in a cool dry area away from heat or open flame.  
**Pesticide Disposal:** If empty: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**PRECAUTIONARY STATEMENTS**

Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if swallowed. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**FIRST AID**

**If Swallowed:** Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a Poison Control Center or doctor for treatment advice.

**Environmental Hazards**

This product is extremely toxic to fish. 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. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

This product is highly toxic to bees-exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

**NOTICE: To the extent consistent with applicable law Buyer assumes all responsibility for safety and use not in accordance with directions.**

**[Questions or comments? Call 1-800-332-5553]**

[\*If you are not satisfied with this product for any reason, send your written request for a refund to the address below, together with the original dated store receipt showing the price you paid. Please allow 6-8 weeks for processing.]

Made in the USA for  
 Chemsico, Division of United Industries Corporation  
 PO Box 142642, St. Louis, MO 63114-0642

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