



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

EPA Reg. Number: 100-1273
Date of Issuance: 07/31/07

Term of Issuance:

Conditional

Name of Pesticide Product:
A14796 Insecticide

NOTICE OF PESTICIDE:
 Registration
 Reregistration
(under FIFRA, as amended)

Name and Address of Registrant (Include ZIP Code):

Valent BioSciences Corporation
870 Technology Way
Libertyville, IL 60048

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following labeling changes before you release the product for shipment:
 - a. Revise the EPA Registration Number to read: "EPA Registration No. 100-1273"

Signature of Approving Official:

George LaRocca

George LaRocca
Product Manager (RM 13)
Insecticide Branch
Registration Division (MC 7505P)

Date:

July 31, 2007

- b. Change the fire ant mound application rate from 1 fl. Oz. (2 Tbsp/gal) to 2 fl. Oz. (4 Tbsp/gal.).
 - c. Under Directions for Use, add the following:
 - Kitchen utensils such as measuring cups and spoons should not be used for food purposes after use with pesticides.
 - Do not allow applications to contact water inhabited by fish such as ornamental fish ponds.
 - d. On the front panel, add in bold type – “For Outdoor Use, Around Residential Sites Only”.
 - e. On pages 17 and 19, under How to Apply, revise the statement “Wet leaves and branches to the dripping point” to read “Wet leaves thoroughly but not to the point of runoff or dripping”.
 - f. Under Optional Marketing Claims, delete “Won’t harm or kill earthworms” and “repels”. Claims as to the safety of a pesticide in any form are not acceptable. We do not have data demonstrating that lambda cyhalothrin is a repellent.
 - g. “Revise the Warranty Disclaimers’ statements as follows: (1) Add “To the extent consistent with applicable law” to the beginning of the statements “- - - Syngenta makes no warranties - - -”, and “- - - the exclusive remedy - - -” (2) Change “- - - to the extent allowable under state law” to “- - - to the extent consistent with applicable law”.
3. This product must be in Child Resistant Packaging (CRP). Submit CRP data to the Agency for review, or provide rationale for exemptions as stated in 40 CFR 157.24. This product has an LD50 of ≤ 1500 mg/kg (40 CFR 157.22).
 4. Submit to the Agency, data on one year storage stability testing (830.6317), conducted concurrently with the corrosion characteristics study (830-6320) at 0, 3, 6, 9 and 12 months of warehouse storage.
 5. Submit the final printed label bearing the above stated revisions prior to releasing this product for sale.

If you fail to comply with the above stated conditions, this 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.

See enclosed copy of the stamped label for your records. If you have any questions concerning this action, please contact Dr. B. A. Akinlosotu at (703) 605-0653.

Enclosure

3824

{Label language for all A14796 Insecticide labels}

(Master label)

A14796 Insecticide

Active Ingredient:		
Lambda-cyhalothrin ¹	0.5%
Other Ingredients:	99.5%
Total:		100.00%

¹CAS No. 91465-08-6

ACCEPTED
with COMMENTS
In EPA Letter Dated:
JUL 31 2007

KEEP OUT OF REACH OF CHILDREN.

CAUTION

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
100-1273**

See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 100-xxxxx

EPA Est. xxxxx

Product of xxxxx
Formulated in xxxxx

SCP xxxxxA-M(draft A14796 conc)

Net Contents

4 8 24

{Label language for all A14796 Insecticide labels}

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • 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 the 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, or going for treatment.	
HOT LINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call 1-800-888-8372	

Environmental Hazards

This product is extremely toxic to fish. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash water.

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.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

IT IS SYNGENTA'S AND SELLER'S INTENTION THAT to the extent allowable under State law, SYNGENTA or the Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

6 8 24

{Label language for all A14796 Insecticide labels}

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

- People and pets may re-enter after the treated area has been allowed to dry.
- 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.
- 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.

{Label language for Mix and Spray product labels only}

HOW TO APPLY

- **Shake container well** before each use.
- **Determine size of spraying job.** For lawns and vegetables, measure the area to be sprayed. For ornamentals and fruit and nut trees, estimate the amount of spray mixture to provide thorough coverage of the foliage.
- **Carefully measure and mix** the amount of product and water as indicated in the use directions. It is always a good idea to wear water-resistant gloves when handling pesticides.
- **Spray as directed.** Thorough coverage is important. Spray just enough to cover treated area. Avoid over wetting.
- **Flush sprayer** with clean water after each use.

MEASUREMENT CONVERSIONS

1 Tablespoon = 3 teaspoons

1 fl. oz. = 2 Tablespoons or 6 teaspoons

1½ 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

LAWNS

UNDERGROUND INSECTS/THATCH INFESTING INSECTS

Black turfgrass (*Ataenius*) (adult)

Blue grass billbug (adult)

Chiggers

Chinch bugs

Dung beetle

European crane flies

Hyperodes weevils (adult)

Mole crickets (nymphs and young adults)

White grubs (Japanese beetle, European chafer, Southern chafer)

How to apply

- Mix ½ fl. oz. (1 Tablespoon) in 1 gallon of water to [cover] [treat] 125 sq. ft.
- or
- Mix 4 fl. oz. (8 Tablespoons) in 8 gallons water to [cover] [treat] 1,000 sq. ft.
- [1 qt. of [A14796 Insecticide (Conc)] treats up to 8,000 sq. ft.]
- 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 7 times per year per location.

{Label language for Mix and Spray product labels only}

SURFACE INSECTS

- | | |
|--|---------------------------|
| Ants* | Lawn moths (sod webworms) |
| Armyworms | Millipedes |
| Cockroaches | Mites |
| Crickets | Mosquitoes |
| Cutworms | Palmetto bugs |
| Deer ticks (which may transmit Lyme Disease) | Sowbugs |
| Earwigs | Spittlebugs |
| Fleas | Waterbugs |

How to apply

- Thoroughly wet down grass a few hours before applying [A14796 Insecticide (Conc)].
 - Mix ½ fl. oz. (1 Tablespoon) in 1 gallon of water to [cover] [treat] 250 sq. ft.
- or
- Mix 2 fl. oz. (4 Tablespoons) in 4 gallons of water to [cover] [treat] 1,000 sq. ft.

For heavy infestations:

- Mix ¾ fl. oz. (1.5 Tablespoons) in 1 gallon of water to [cover] [treat] 250 sq. ft.
- or
- Mix 3 fl. oz. (6 Tablespoons) in 4 gallons of water to [cover] [treat] 1,000 sq. ft.
 - [1 qt. of [A14796 Insecticide (Conc)] treats up to 16,000 sq. ft.]
 - Delay additional watering or mowing for 24 hours after application for optimum control of surface insects.
 - Do not apply more than 14 times per year per location.

When to apply

Treat the pest listed on the table during the months indicated or when first noticed.

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

*Argentine, Allegheny Mound, Black Carpenter, Cornfield, Field, Florida Carpenter, Honey, Nuisance, Pavement, and Southern Ants

{Label language for Mix and Spray product labels only}

[NUSIANCE] PESTS OUTSIDE THE HOME

[HOME BARRIER TREATMENT]

Where to apply

- to building foundation
- around windows, doors, service line entrances, eaves, and vents
- other areas where crawling insects can enter the building

How to apply

- Before you spray, 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 material that could harbor pests next to the foundation.
- Mix ½ fl. oz. (1 Tablespoon) in 1 gallon of water. (1 gallon of spray mixture will treat 250 sq. ft. of surface area.)
- Apply a continuous band up to 3 ft. wide next to the foundation and to 3 ft. upwards along the foundation. Spray a continuous band around windows, doors, eaves and vents.
- Apply as a coarse spray to thoroughly and uniformly wet the foundation and/or band area.
- Repeat application every [8 weeks] [2 months].

OUTDOOR SURFACES USE

Where to apply

- ornamental plants next to the building foundation
- outside surfaces of buildings, porches, patios, garages
- screens, window frames, eaves
- other areas where pests are active

Pests controlled

Ants*

Centipedes

Cockroaches

Crickets

Deer ticks

Fleas

Millipedes

Mosquitoes

Palmetto bugs

Pillbugs

Scorpions

Sowbugs

Spiders

Waterbugs

*Argentine, Allegheny Mound, Black Carpenter, Cornfield, Field, Florida Carpenter, Honey, Nuisance, Pavement, and Southern Ants

{Label language for Mix and Spray product labels only}

How to apply

- Mix ½ fl. oz. (1 Tablespoon) in 1 gallon of water.
- Repeat application every [8 weeks] [2 months].
- Ants – Thoroughly wet ant hills and ant trails.

FIRE ANT MOUNDS

- Mix 1 fl. oz. (2 Tablespoons) in 1 gallon of water.
- Do not disturb the mound prior to treatment.
- Thoroughly wet each fire ant mound and surrounding area to a 4 ft. diameter.
- For best results, 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.

ORNAMENTAL TREES, SHRUBS AND FLOWERS

For use on ornamental trees, shrubs and flowers such as but not limited to:

Ageratum	English Ivy	Oak
Arborvitae	Euonymus	Orchid
Arizona Cypress	Exacum	Palm
Ash	Fir	Pansy
Aster	Gladioli	Pea Shrub
Azaleas	Gold Bells	Petunia
Begonia	Hawthorn	Philodendron
Birch	Holly	Pine
Box Elder	Honeysuckle	Plum (Ornamental)
Boxwood	Hypoestes	Poinsettia
Camellias	Ivy	Poplar
Carnations	Juniper	Rhododendron
Cherry (Ornamental)	Lilac	Roses
Chrysanthemums	Locust	Snapdragon
Coleus	Maple	Snowberry
Common Ninebark	Marigold	Spruce
Conifers	Mimosa	Taxus
Crepe Myrtle	Mock Orange	Tulip Poplar
Douglas Fir	Nannyberry	Weeping Fig
Elm	Non-bearing Citrus	Willow
		Zinnia

{Label language for Mix and Spray product labels only}

Pests controlled

Ants*	European sawfly	Pillbug
Armyworms	Fall webworm	Pine sawfly
Azalea caterpillar	Flea beetles	Pine shoot beetles
Aphids	Forest tent caterpillar	Pinetip moths
Bagworms	Gypsy moth larvae	Plant bugs
Black vine weevil (adult)	Japanese beetles (adults)	Root weevil
Box elder bugs	June beetles (adults)	Sawfly
Budworms	Lace bugs	Scale insects (crawlers)
California oakworm	Leaf-feeding caterpillars	Spiders
Cankerworms	Leafhoppers	Spittlebugs
Cockroaches	Leafminers (adults)	Striped beetles
Crickets	Leaf rollers	Striped oakworm
Cutworms	Leaf skeletonizers	Thrips
Eastern tent caterpillar	Midges	Tip moth
Elm leaf beetles	Oleander moth larvae	Tussock moth larvae

*Argentine, Allegheny Mound, Black Carpenter, Cornfield, Field, Florida Carpenter, Honey, Nuisance, Pavement, and Southern Ants

How to apply

- Mix ¼ fl. oz. (½ Tablespoon) in 1 gallon of water.
- Apply as a thorough cover spray.

Pests controlled

Broadmites	Mealybugs
Brown softscale	Pineneedle scale (crawler)
California redscale (crawler)	Spider mites
Clover mites	Whiteflies

How to apply

- Mix ½ fl. oz. (1 Tablespoon) in 1 gallon of water.
- Apply as a thorough cover spray.

Use Tips for Ornamentals

- 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.

*{Label language for Mix and Spray product labels only}***FRUIT and NUT TREES**

For Use on	PHI*
Apricot	14
Almond	14
Apple	21
Beech Nut	14
Brazil Nut	14
Butternut	14
Cashew	14
Chestnut	14
Chickasaw Plum	14
Chinquapin	14
Crabapple	21
Damson Plum	14
Filbert (Hazelnut)	14
Hickory Nut	14
Japanese Plum	14
Loquat	21
Macadamia Nut (Bush Nut)	14
Mayhaw	21
Nectarine	14
Oriental Pear	21
Peach	14
Pear	21
Pecan	14
Plum	14
Plumcot	14
Prune	14
Quince	21
Sweet Cherry	14
Tart Cherry	14
Walnut, Black	14
Walnut, English (Persian)	14

* PHI – Pre Harvest Interval: number of days to wait between last application and harvest.

{Label language for Mix and Spray product labels only}

Pest controlled

American Plum Borer	Pear Psylla
Ants	Pear Sawfly
Apple Aphid	Pecan Aphids
Apple Maggot (Adult)	Pecan Casebearer species
Black Cherry Aphid	Pecan Phylloxera species
Cherry Fruit Flies (Adult)	Pecan Spittlebug
Chinch Bug	Pecan Weevil
Codling Moth	Periodical Cicada
Filbertworm	Plant Bugs
Green Fruitworm	Plum Curculio
Hickory Shuckworm	Rose Chafer
Japanese Beetle	Rosy Apple Aphid
June Beetle	San Jose Scale ¹
Leaffooted Bug	Spirea Aphid
Leafhoppers	Stink Bugs
Leafrollers	Tent Caterpillars
Lesser Appleworm	Tentiform Leaf Miners
Navel Orangeworm	Thrips
Omnivorous Leafroller	Tree Borers
Orange Tortix	Tufted Apple Budworm
Oriental Fruit Moth	Walnut Aphid
Peach Twig Borer	Walnut Husk Fly (adult)
Peachtree borers	Webworms

¹ Fruit infestations only

How to apply

- Mix ½ fl. oz. (1 Tablespoon) in 1 gallon of water to [cover] [treat] 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 5 times after blooms have formed.
- **For nut trees**, do not apply more than 6 times per year and only 5 times after blooms have formed.

{Label language for Mix and Spray product labels only}

VEGETABLES

How to apply

- Mix ½ fl. oz. (1 Tablespoon) 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 corn**, do not apply more than 5 times per growing season.
- **For all other crops**, do not apply more than 9 times per growing season.

For use on	PHI*
Beans, succulent (adzuki, asparagus, black-eyed pea, catjang, Chinese longbean, cowpea, crowder pea, lima, moth, mung, rice, runner, snap, Southern pea, tepary, urd, wax, yardlong)	7
Broccoli	1
Brussels Sprouts	1
Cabbage	1
Cauliflower	1
Cavalo Broccoli	1
Chinese Broccoli (gai lon)	1
Chinese Cabbage (napa)	1
Chinese Mustard Cabbage (gai choy)	1
Eggplant	5
Garlic	14
Ground Cherry	5
Kohlrabi	1
Lettuce (leaf and head)	1
Onion, bulb	14
Peas (dwarf, edible-pod, English, field, garden, green, snow, sugar snap)	7
Pepino	5
Peppers (bell and nonbell)	5
Popcorn	21
Sweet Corn	21
Tomatillo	5
Tomato	5

*PHI – Pre Harvest Interval: number of days to wait between last application and harvest.

{Label language for Mix and Spray product labels only}

Pest Controlled

Alfalfa Caterpillar	Mexican Bean Beetle
Alfalfa Looper	Mexican Corn Rootworm Beetle (adult)
Aphid	Mexican Rice Borer ¹
Armyworm	Northern Corn Rootworm Beetle (adult)
Aster Leafhopper	Onion Maggot (adult)
Bean Leaf Beetle	Onion Thrips
Bean Leafskeletonizer	Painted Lady Butterfly (larva)
Beet Armyworm	Pepper Weevil (adult)
Bird Cherry-Oat Aphid	Plant Bug, including Lygus Bug
Blister Beetle	Rice Stalk Borer ¹
Cabbage Looper	Saltmarsh Caterpillar
Cabbage Webworm	Sap Beetle (adult)
Cereal Leaf Beetle	Seedcorn Beetle
Chinch Bug	Seedcorn Maggot (adult)
Colorado Potato Beetle	Southern Armyworm
Common Cornstalk Borer	Southern Cabbageworm
Corn Earworm ¹	Southern Corn Leaf Beetle
Corn Leaf Aphid	Southern Corn Rootworm Beetle (adult)
Corn Silkfly (adult)	Southwestern Corn Borer ¹
Cucumber Beetle (adult)	Soybean Looper
Curculio and Weevil species ^{1,2}	Spider Mite
Cutworm	Stalk Borer ¹
Diamondback Moth	Stink Bug
English Grain Aphid	Sugarcane Borer ¹
European Corn Borer ¹	Tarnished Plant Bug
Fall Armyworm	Threecornered Alfalfa Hopper
Flea Beetle	Thrips
Flea Hopper	Tobacco Budworm ¹
Flower Thrips	Tobacco Thrips
Grasshopper	Tomato Fruitworm
Green Cloverworm	Tomato Pinworm
Greenbug	Tomato Psyllid
Hop Vine Borer ¹	Vegetable Weevil (adult)
Hornworm	Velvetleaf Caterpillar
Imported Cabbageworm	Webworm
Japanese Beetle (adult)	Western Bean Cutworm ¹
Leafhopper	Western Corn Rootworm Beetle (adult)
Leafminer (adult)	Western Flower Thrips
Leaftier species	Western Yellowstriped Armyworm
Lesser Cornstalk Borer ¹	Whitefly
Looper species	Yellowstriped Armyworm
Meadow Spittlebug	

¹For control before the larva bores in to the plant stalk or ear.

²Foliage and pod feeding adults and larvae.

{Label language for Hose End Spray product labels only}

HOW TO APPLY

- **Shake container well** before each use.
- **Connect a garden hose** to the [Hose End Sprayer] nozzle. Make sure the dial on the hose end sprayer is in the "OFF" position [with the safety tab in the valve notch].
- **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.
- **To begin spraying,** point nozzle toward treatment area and [1.) bend the safety tab back with your thumb, 2.) hold safety tab back while turning dial counter clockwise until it stops.] turn the hose end sprayer to the "ON" position. Water will automatically mix with the product. [Optional graphic of hose end sprayer]
- **Spray until wet.** Walk at a steady pace while spraying using an even sweeping motion, slightly overlapping treated areas.
- **To stop spraying,** quickly turn the [dial counter clockwise until it stops and the safety tab engages into the notch on the valve] [hose end sprayer to the "OFF" position]. Turn water off at faucet. To relieve pressure before removing nozzle from hose, [bend the safety tab back and turn dial "ON"] [turn the hose end sprayer to the "ON" position] until water stops spraying.

MEASUREMENT CONVERSIONS

1 Tablespoon = 3 teaspoons

1 fl. oz. = 2 Tablespoons or 6 teaspoons

1½ 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

LAWNS

UNDERGROUND INSECTS/THATCH INFESTING INSECTS

Black turfgrass (*Ataenius*) (adult)

Blue grass billbug (adult)

Chiggers

Chinch bugs

Dung beetle

European crane flies

Hyperodes weevils (adult)

Mole crickets (nymphs and young adults)

White grubs (Japanese beetle, European chafer, Southern chafer)

How to apply

- Use 1 qt. of [A14796 Insecticide (Conc)] to [cover] [treat] 8,000 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 7 times per year per location.

{Label language for Hose End Spray product labels only}

SURFACE INSECTS

- | | |
|--|---------------------------|
| Ants* | Lawn moths (sod webworms) |
| Armyworms | Millipedes |
| Cockroaches | Mites |
| Crickets | Mosquitoes |
| Cutworms | Palmetto bugs |
| Deer ticks (which may transmit Lyme Disease) | Sowbugs |
| Earwigs | Spittlebugs |
| Fleas | Waterbugs |

How to apply

- Thoroughly wet down grass a few hours before applying [A14796 Insecticide (Conc)].
- Use 1 qt. of [A14796 Insecticide (Conc)] to [cover] [treat] 16,000 sq. ft. of lawn.
- Delay additional watering or mowing for 24 hours after application for optimum control of surface insects.
- Do not apply more than 14 times per year per location.

When to apply

Treat the pest listed on the table during the months indicated or when first noticed.

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
				Bill bug			Grubs				
			Hypodermis weevil								
		Dung beetle grub									

Treat Ants* and other insects when they first appear or when you notice lawn damage.

*Argentine, Allegheny Mound, Black Carpenter, Cornfield, Field, Florida Carpenter, Honey, Nuisance, Pavement, and Southern Ants

{Label language for Hose End Spray product labels only}

ORNAMENTAL TREES, SHRUBS AND FLOWERS

For use on ornamental trees, shrubs and flowers such as but not limited to:

Ageratum	English Ivy	Oak
Arborvitae	Euonymus	Orchid
Arizona Cypress	Exacum	Palm
Ash	Fir	Pansy
Aster	Gladioli	Pea Shrub
Azaleas	Gold Bells	Petunia
Begonia	Hawthorn	Philodendron
Birch	Holly	Pine
Box Elder	Honeysuckle	Plum (Ornamental)
Boxwood	Hypoestes	Poinsettia
Camellias	Ivy	Poplar
Carnations	Juniper	Rhododendron
Cherry (Ornamental)	Lilac	Roses
Chrysanthemums	Locust	Snapdragon
Coleus	Maple	Snowberry
Common Ninebark	Marigold	Spruce
Conifers	Mimosa	Taxus
Crepe Myrtle	Mock Orange	Tulip Poplar
Douglas Fir	Nannyberry	Weeping Fig
Elm	Non-bearing Citrus	Willow
		Zinnia

Pest controlled

Ants*	Elm leaf beetles	Pine sawfly
Armyworms	European sawfly	Pine shoot beetles
Azalea caterpillar	Fall webworm	Pinetip moths
Aphids	Flea beetles	Plant bugs
Bagworms	Forest tent caterpillar	Root weevil
Black vine weevil (adult)	Gypsy moth larvae	Sawfly
Box elder bugs	Japanese beetles (adults)	Scale insects (crawlers)
Broadmites	June beetles (adults)	Spider mites
Brown softscale	Lace bugs	Spiders
Budworms	Leaf-feeding caterpillars	Spittlebugs
California oakworm	Leafhoppers	Striped beetles
California redscale (crawler)	Leafminers (adults)	Striped oakworm
Cankerworms	Leaf rollers	Thrips
Clover mites	Leaf skeletonizers	Tip moth
Cockroaches	Mealybugs	Tussock moth larvae
Crickets	Midges	Whiteflies
Cutworms	Oleander moth larvae	
Eastern tent caterpillar	Pillbug	
	Pineneedle scale (crawler)	

*Argentine, Allegheny Mound, Black Carpenter, Cornfield, Field, Florida Carpenter, Honey, Nuisance, Pavement, and Southern Ants

{Label language for Hose End Spray product labels only}

How to apply

- Apply as a thorough foliar spray
- Wet leaves and branches to the dripping point.
- Spray top and underside of leaves [and penetrate dense foliage] for best results.

Use Tips for Ornamentals

- 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.

FRUIT and NUT TREES

For Use on	PHI*
Apricot	14
Almond	14
Apple	21
Beech Nut	14
Brazil Nut	14
Butternut	14
Cashew	14
Chestnut	14
Chickasaw Plum	14
Chinquapin	14
Crabapple	21
Damson Plum	14
Filbert (Hazelnut)	14
Hickory Nut	14
Japanese Plum	14
Loquat	21
Macadamia Nut (Bush Nut)	14
Mayhaw	21
Nectarine	14
Oriental Pear	21
Peach	14
Pear	21
Pecan	14
Plum	14
Plumcot	14
Prune	14

{Label language for Hose End Spray product labels only}

Quince	21
Sweet Cherry	14
Tart Cherry	14
Walnut, Black	14
Walnut, English (Persian)	14

*PHI – Pre Harvest Interval: number of days to wait between last application and harvest.

Pest Controlled

American Plum Borer	Pear Psylla
Ants	Pear Sawfly
Apple Aphid	Pecan Aphids
Apple Maggot (Adult)	Pecan Casebearer species
Black Cherry Aphid	Pecan Phylloxera species
Cherry Fruit Flies (Adult)	Pecan Spittlebug
Chinch Bug	Pecan Weevil
Codling Moth	Periodical Cicada
Filbertworm	Plant Bugs
Green Fruitworm	Plum Curculio
Hickory Shuckworm	Rose Chafer
Japanese Beetle	Rosy Apple Aphid
June Beetle	San Jose Scale ¹
Leaffooted Bug	Spirea Aphid
Leafhoppers	Stink Bugs
Leafrollers	Tent Caterpillars
Lesser Appleworm	Tentiform Leaf Miners
Navel Orangeworm	Thrips
Omnivorous Leafroller	Tree Borers
Orange Tortix	Tufted Apple Budworm
Oriental Fruit Moth	Walnut Aphid
Peach Twig Borer	Walnut Husk Fly (adult)
Peachtree Borers	Webworms

¹ Fruit infestations only

How to apply

- Use 1 qt. of [A14796 Insecticide (Conc)] to [cover] [treat] 19,200 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 5 times after blooms have formed.
- **For nut trees**, do not apply more than 6 times per year and only 5 times after blooms have formed.

{Label language for Hose End Spray product labels only}

VEGETABLES

How to apply

- Apply as a thorough foliar spray
- Wet leaves and branches to the dripping point.
- Try to spray underside of leaves and penetrate dense foliage.
- **For corn**, do not apply more than 5 times per growing season.
- **For all other crops**, do not apply more than 9 times per growing season.

For use on	PHI*
Beans, succulent (adzuki, asparagus, black-eyed pea, catjang, Chinese longbean, cowpea, crowder pea, lima, moth, mung, rice, runner, snap, Southern pea, tepary, urd, wax, yardlong)	7
Broccoli	1
Brussels Sprouts	1
Cabbage	1
Cauliflower	1
Cavalo Broccoli	1
Chinese Broccoli (gai lon)	1
Chinese Cabbage (napa)	1
Chinese Mustard Cabbage (gai choy)	1
Eggplant	5
Garlic	14
Ground Cherry	5
Kohlrabi	1
Lettuce (leaf and head)	1
Onion, bulb	14
Peas (dwarf, edible-pod, English, field, garden, green, snow, sugar snap)	7
Pepino	5
Peppers (bell and nonbell)	5
Popcorn	21
Sweet Corn	21
Tomatillo	5
Tomato	5

*PHI – Pre Harvest Interval: number of days to wait between last application and harvest.

{Label language for Hose End Spray product labels only}

Pest controlled

Alfalfa Caterpillar	Mexican Bean Beetle
Alfalfa Looper	Mexican Corn Rootworm Beetle (adult)
Aphid	Mexican Rice Borer ¹
Armyworm	Northern Corn Rootworm Beetle (adult)
Aster Leafhopper	Onion Maggot (adult)
Bean Leaf Beetle	Onion Thrips
Bean Leafskeletonizer	Painted Lady Butterfly (larva)
Beet Armyworm	Pepper Weevil (adult)
Bird Cherry-Oat Aphid	Plant Bug, including Lygus Bug
Blister Beetle	Rice Stalk Borer ¹
Cabbage Looper	Saltmarsh Caterpillar
Cabbage Webworm	Sap Beetle (adult)
Cereal Leaf Beetle	Seedcorn Beetle
Chinch Bug	Seedcorn Maggot (adult)
Colorado Potato Beetle	Southern Armyworm
Common Cornstalk Borer	Southern Cabbageworm
Corn Earworm ¹	Southern Corn Leaf Beetle
Corn Leaf Aphid	Southern Corn Rootworm Beetle (adult)
Corn Silkfly (adult)	Southwestern Corn Borer ¹
Cucumber Beetle (adult)	Soybean Looper
Curculio and Weevil species ^{1, 2}	Spider Mite
Cutworm	Stalk Borer ¹
Diamondback Moth	Stink Bug
English Grain Aphid	Sugarcane Borer ¹
European Corn Borer ¹	Tarnished Plant Bug
Fall Armyworm	Threecornered Alfalfa Hopper
Flea Beetle	Thrips
Flea Hopper	Tobacco Budworm ¹
Flower Thrips	Tobacco Thrips
Grasshopper	Tomato Fruitworm
Green Cloverworm	Tomato Pinworm
Greenbug	Tomato Psyllid
Hop Vine Borer ¹	Vegetable Weevil (adult)
Hornworm	Velvetleaf Caterpillar
Imported Cabbageworm	Webworm
Japanese Beetle (adult)	Western Bean Cutworm ¹
Leafhopper	Western Corn Rootworm Beetle (adult)
Leafminer (adult)	Western Flower Thrips
Leaf-tier species	Western Yellowstriped Armyworm
Lesser Cornstalk Borer ¹	Whitefly
Looper species	Yellowstriped Armyworm
Meadow Spittlebug	

¹For control before the larva bores in to the plant stalk or ear.

²Foliage and pod feeding adults and larvae.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage

Store in a cool, dry place. Keep container closed and away from food, feedstuffs, and domestic water supplies.

Container Disposal

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

Optional Marketing Claims

- [Protects Listed Areas:] [Protects] Lawns, Vegetables, Roses, Flowers, Trees, Shrubs
- [Wide Range of Control:] [Controls] Ants, Aphids, Chinch Bugs, Cutworms, Flea Beetles, Grubs, Mites, Sod Webworms & many others
- Controls tough outdoor insects
- Kills Lawn and Garden Insects...including grubs, chinch bugs, European crane flies, fleas, fire ants, mosquitoes, sod webworms, aphids, Japanese beetles, whiteflies, ants, mites, deer ticks and other listed insects
- Kills grubs
- Keeps Killing Nuisance Pests Outside the Home for Up to [8 Weeks] [2 months]
- Keeps Killing Pests on Outdoor Surfaces for Up to [8 Weeks] [2 months]
- Up to 8 week Control of Nuisance Pests
- Low Odor [Formula]
- Kills Fast
- Fast Kill Formula
- Connect and Spray (Optional for hose-end sprayer)
- Spray Concentrate
- Concentrated Insect Spray
- Kills 130+ Pests [on Contact]
- *Guaranteed Results or Your Money Back
- Satisfaction Guaranteed [or Your Money Back]
- [1 Quart] [Covers] [Treats] up to 16,000 square feet of lawn
- [1 Quart] Makes up to 128 gallons
- Water-based
- Long Lasting Formula
- Fast Acting Formula
- Soil and Turf Insecticide
- For Soil and Turf Insect Control
- For Broadcast and Barrier Use
- Controls Nuisance Pests Outside the Home
- Apply as a Barrier Treatment [Around the Home]
- Non-staining
- [Works] [Kills] in 24 Hours

{Label language for all A14796 product labels}

- Kills Grubs in 24 Hours
- Broad Spectrum [Insect Killer] [Insecticide] [Concentrate]
- [Fast Acting] [Long Lasting] Formula
- Won't [Harm] [Kill] Earthworms
- Kills over 130 pests on contact
- For [Lawn] [Garden] Insects
- Kills Japanese Beetles Fast
- Long Lasting Protection From Insect Damage
- Kills and Repels Insects
- Kills Deer Ticks (which may transmit Lyme Disease)

Optional 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

Optional Product Fact Box

PRODUCT FACTS
CONTROLS: 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] [Outdoor lawns,] [Landscape plants,] [Fruit and nut trees,] [Vegetables,] [Around the outside of the home]
QUESTIONS OR COMMENTS? Call [800 number] or visit our Website at [www._____.com]

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For non-emergency (e.g., current product information) call
Syngenta Crop Protection at 1-800-334-9481.

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