

100-1319

09/19/2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Timothy Wilson  
Syngenta Crop Protection, Inc.  
P.O. Box 18300  
Greensboro, NC 27419

SEP 19 2008

Dear Mr. Wilson:

Subject: Labeling Amendment; Revised Rotational Crop Section  
Voliam Flexi Insecticide  
EPA Registration No. 100-1319  
Submission Date: September 3, 2008

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label before releasing the product for shipment. If you have any questions regarding this label, please contact me at (703) 306-0415.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Kable Bo Davis".

Kable Bo Davis  
Entomologist  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

Enclosure- Stamped Labeling

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(Booklet)

**VOLIAM Flexi™**

Insecticide

GROUP	4A	INSECTICIDE
GROUP	28	INSECTICIDE

For control of listed insect pests infesting various crops

Active Ingredient:

Thiamethoxam<sup>1</sup> ..... 20.0%

Chlorantraniliprole<sup>2</sup> ..... 20.0%

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Other Ingredients: ..... 60.0%

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Total: ..... 100.0%

<sup>1</sup>CAS No. 153719-23-4

<sup>2</sup>CAS No. 500008-45-7

Voliam Flexi is a water-dispersible granule.

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

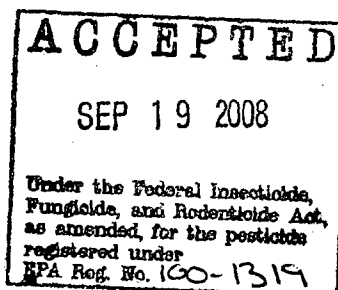
See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 100-1319

EPA Est. XXXX

SCP 1319A-M(draft)

Net Weight



<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p><b>HOT LINE NUMBER</b></p> <p>For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call <b>1-800-888-8372</b></p>	

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION**

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

**Personal Protective Equipment (PPE)**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Control Statements**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### **User Safety Recommendations**

#### **Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

### **Environmental Hazards**

This pesticide is toxic to wildlife and highly toxic to aquatic invertebrates, oysters and shrimp.

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

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

- **Surface Water Advisory**

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff (See manual at the following internet address: <http://www.wsi.nrcs.usda.gov/products/W2Q/pest/core4.html>).

Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours.

- **Ground Water Advisory**

This product has properties and characteristics associated with chemicals detected in ground water. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

- **Spray Drift Advisory**

Do not allow this product to drift.

### **Physical or Chemical Hazards**

Do not use, pour, spill, or store near heat or open flame.

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**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.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

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, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.**

~~To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product.~~ **TO THE EXTENT PERMITTED BY APPLICABLE LAW, 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.

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## DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

This labeling must be in the possession of the user at the time of application.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.**

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material – Category A (e.g., barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, natural rubber  $\geq 14$  mils, polyethylene, polyvinylchloride [PVC]  $\geq 14$  mils or Viton<sup>®</sup>  $\geq 14$  mils)
- Shoes plus socks

**FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR INSECT CONTROL, AND/OR ILLEGAL RESIDUES.**

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## INFORMATION

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Voliam Flexi is a broad-spectrum, foliar-applied insecticide with dual modes of action that controls key lepidopteran, sucking and chewing insect pests. Foliar application of Voliam Flexi exhibits excellent translaminar and locally systemic movement into plant tissue as well as accumulation on the leaf surface. Penetration into the leaf tissue forms a reservoir of active ingredient which results in extended residual control. Effective crop protection results from rapid feeding inhibition.

For best performance, always follow these directions:

- Voliam Flexi should be applied when insect pest populations begin to build, but before populations reach economically damaging levels. Economic thresholds for pests controlled by Voliam Flexi may be available from your local agricultural authorities.
- Use of adjuvants is only allowed on certain crops – see specific crop instructions for adjuvants in the **Crop Use Directions** section of this label.
- Voliam Flexi is highly toxic to bees exposed to direct treatment or to residues on blooming crops and weeds. Do not apply Voliam Flexi or allow it to drift onto blooming plants if bees are foraging in the treated area.
- Thorough spray coverage is essential for optimal performance. Apply Voliam Flexi in sufficient water to ensure good coverage. See specific application information in the **Crop Use Directions** section of this label. The use of higher water volumes will generally result in better coverage, especially under adverse conditions (e.g., hot, dry) or where a dense plant canopy exists.
- Voliam Flexi is rainfast once the spray solution has dried on treated plants.
- Voliam Flexi may aid in the suppression of some pests. Suppression can mean either inconsistent control (good to poor), or consistent control at a level below that generally considered acceptable for commercial control.
- Voliam Flexi has a wide margin of plant safety when used in accordance with this label.

## RESTRICTIONS

- Use this product only in commercial and farm plantings.
- Not for use in home plantings.

- Not for use on ornamental plants or plants being grown for ornamental purposes.
- Do not use in greenhouses.
- Do not apply through any type of irrigation system.

## **RESISTANCE MANAGEMENT**

Some insect pests are known to develop resistance to products after repeated use. Because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies established for the crop and use area. Syngenta encourages responsible product stewardship to ensure effective long-term control of the insects on this label.

Voliam Flexi contains a Group 4A insecticide (thiamethoxam, belonging to the neonicotinoid class of chemistry) and a Group 28 insecticide (chlorantraniliprole, belonging to the anthranilic diamide class of chemistry). Insect biotypes with acquired or inherent resistance to Group 4A or Group 28 insecticides may eventually dominate the insect population if Group 4A or Group 28 insecticides are used repeatedly as the predominant method of control for targeted species. This may result in partial or total loss of control of those species by Voliam Flexi or other Group 4A or Group 28 insecticides.

### **In order to maintain susceptibility to this class of chemistry in insect species with high resistance development potential:**

- Avoid using a block of more than two consecutive applications of Voliam Flexi and/or other Group 4A or Group 28 insecticides. (Do not exceed the allowable amount of Voliam Flexi per acre per growing season.)
- ~~Following a block of Group 4A or Group 28 insecticides rotate to a block of applications of effective products with a different mode of action before using additional applications of Group 4A or Group 28 insecticides.~~
- Using a block rotation, along with other IPM practices, is considered an effective use strategy for preventing or delaying an insect's pest's ability to develop resistance to this class of chemistry.
- Foliar applications of Voliam Flexi or other Group 4A insecticides should not be used on crops previously treated with a seed or soil applied Group 4A insecticides.

### **Other Insect Resistance Management (IRM) practices include:**

- Incorporating IPM techniques into your insect control program.
- Monitoring treated insect populations for loss of field efficacy.
- Using tank-mixtures or premixes with insecticides from a different target site of action Group as long as the involved products are all registered for the same crop outlet and effective rates are applied.

### **For additional information on Insect Resistance Management:**



- Contact your local extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations.
- Visit the Insecticide Resistance Action Committee (IRAC) on the web at <http://www.irac-online.org/>.

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## APPLICATION PROCEDURES AND SPRAY EQUIPMENT

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### Ground Application

Spray nozzles should be selected which will provide accurate and uniform spray deposition. Use spray nozzles, which provide medium-sized droplets and reduce drift. To help insure accuracy, calibrate sprayer before each use. For information on spray equipment and calibration, consult nozzle manufacturers and/or State Extension Service specialists.

Apply Voliam Flexi using sufficient water volume to provide thorough and uniform coverage. In situations where a dense canopy exists and/or pest pressure is high, use greater water volumes. The use of a spray adjuvant, as allowed under specific **Crop Use Directions** section of this label, may improve spray coverage but is not required. Avoid making applications under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur.

*Precautions: (1) When using water volumes of 5-10 gals., fine-sized droplets may be used to improve spray coverage. (2) Select nozzles, which produce the desired droplet sizes at the normal rated pressure range. (3) When spraying fine-sized droplets, carefully check **all** nozzles for flow and calibrate the sprayer. (4) The sprayer should travel at a uniform speed across the field. (5) Monitor environmental conditions and follow **Spray Drift Precautions** carefully.*

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### Aerial Application

Apply Voliam Flexi in water, using the minimum spray volume indicated in the **Crop Use Directions** section of this label. Increase spray volume where practical to improve coverage. Avoid making application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur.

### Spray Drift Precautions

As with all crop protection products, it is important to avoid off-target movement. Do not allow spray to drift onto adjacent land, crops, or aquatic areas. To avoid spray drift:

- Make applications when wind velocity favors on-target product deposition (approximately 3-10 mph). Do not apply when wind velocity exceeds 10 mph. Avoid applications when wind gusts approach 10 mph.

- Avoid applications when wind direction is toward the aquatic area to reduce the risk of exposure to sensitive aquatic areas.
- Do not cultivate or plant crops within 25 ft. of the aquatic area as to allow growth of a vegetative filter strip.
- Do not make applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with increased height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.
- Use the largest droplet size consistent with good pest control. Small droplets are more prone to spray drift, and can be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.
- Apply as close to target plants as practical to obtain a good spray pattern for adequate coverage. Applications more than 10 ft. above the crop canopy should be avoided.
- For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of wing span or rotor diameter.

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## **MIXING PROCEDURES**

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Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area. Keep product container tightly closed when not in use.

### **Voliam Flexi Alone**

Add 1/2 of the required amount of water to the mix tank. With the agitator running, add the desired amount of Voliam Flexi to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after Voliam Flexi has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

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### **Voliam Flexi + Tank Mixtures**

Add 1/2 of the required amount of water to the mix tank. Start the agitator running before adding any tank mix partners. In general, tank mix partners should be added in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables) such as Voliam Flexi, liquid flowables, liquids, emulsifiable concentrates, and surfactants / adjuvants. Always allow each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

**Note:** When using Voliam Flexi in tank mixtures, all products in water-soluble packaging should be added to the tank before any other tank mix partner, including Voliam Flexi. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.

If using Voliam Flexi in a tank mixture, observe all directions for use, crop/sites, use rates, dilution ratios, precautions, and limitations, which appear on the tank mix product label. No label dosage rate should be exceeded, and the most restrictive label precautions and limitations should be followed. This product should not be mixed with any product which prohibits such mixing. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are labeled.

Use of adjuvants is only allowed on certain crops – see specific crop instructions for adjuvants in the **Crop Use Directions** section of this label.

When an adjuvant is to be used with this product, the use of an adjuvant that meets the standard of the Chemical Producers and Distributors Association (CPDA) adjuvant certification program is recommended.

### **Compatibility**

Voliam Flexi is compatible with most commonly used pesticides, crop oils, adjuvants, and nutritional sprays. However, since it is not possible to test all possible mixtures, the user should pre-test to assure the physical compatibility and lack of phytotoxic effect of any proposed mixtures with Voliam Flexi. To determine the physical compatibility of Voliam Flexi with other products, use a jar test, as described below.

Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

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The crop safety of all potential tank mixes on all crops has not been tested. Before applying any tank mixture not specifically recommended on this label, the safety to the target crop should be confirmed.

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## CROP USE DIRECTIONS

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### Pollinator Precautions

- Voliam Flexi is highly toxic to bees exposed to direct treatment or residues on blooming crops.
    - For **apples**, do not apply Voliam Flexi after pre-bloom (early pink growth stage) or before post bloom (petal fall growth stage).
    - For **pears**, do not apply Voliam Flexi after pre-bloom (green cluster stage) or before post bloom (petal fall growth stage).
    - For **stone fruit**, do not apply Voliam Flexi between the pre-bloom (swollen bud) and post bloom (petal fall) growth stages.
  - Do not apply Voliam Flexi or allow it to drift to blooming crops if bees are visiting the treatment area. This is especially critical if there are adjacent orchards that are blooming (Refer to **Spray Drift Precautions** for additional information).
  - **After a Voliam Flexi application, wait at least 5 days before placing beehives in the treated field.**
  - If bees are foraging in the ground cover and it contains any blooming plants or weeds, always remove flowers before making an application. This may be accomplished by mowing, disking, mulching, flailing, or applying a labeled herbicide.
  - Consult with your local cooperative extension service or state agency responsible for regulating pesticide use for additional pollinator safety practices.
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Crop	Pest	Rate Per Acre Per Application
Grapes	Grape Berry Moth Grape Leafroller Japanese Beetle Leafhoppers Mealybugs Omnivorous Leafroller <i>Phylloxera</i> species Sharpshooters Western Grapeleaf Skelotizer	4.5 oz./A

- **Application Timing:** Apply before pests reach damaging levels. Scout fields and treat again if populations rebuild to potentially damaging levels. Apply higher rates for heavy infestations.
- **Pre-Harvest Interval (PHI):** 14 days
- **Maximum Voliam Flexi Allowed per Growing Season:** Do not exceed a total of 9.0 oz. of Voliam Flexi or 0.109 lb. a.i. of thiamethoxam containing products or 0.2 lb. a.i. of chlorantraniliprole containing products per acre per growing season.
- **Minimum Interval between Applications:** 14 days.
- **Water Volume:** Use sufficient water volume to ensure thorough coverage of foliage. Do not use less than 100 or more than 200 GPA for ground applications. Use 5 GPA for aerial applications.
- **Do not** use an adjuvant with applications of Voliam Flexi to grapes.
- Make no more than 2 applications per season.

**Refer to Pollinator Precautions section.**  
**Refer to Resistance Management section.**

Crop	Pest	Rate Per Acre Per Application
<b>Pome Fruit</b>  Apples Not for use in NY except via SLN NY-020001.  Crabapples Loquat Mayhaw Quince Pear Oriental pear ( <i>Pyrus pyrifolia</i> )	Codling Moth Green Fruitworm Leafhoppers Oblique Banded Leafroller Oriental Fruit Moth Spotted Tentiform Leafminer Tufted Apple Budmoth	4.0 – 7.0 oz./A
	Apple Aphid Apple Grain Aphid Comstock mealybug Green Peach Aphid Rosy Apple Aphid European Apple Sawfly Plum Curculio Leafminers Mullein Bug ( <i>Campylomma species</i> )	6.0 – 7.0 oz./A
	Pear Psylla	7.0 oz./A

- **Application Timing:** Apply before pests reach damaging levels. Apply higher rates for heavy infestations.
  - **Comstock mealybug:** Make application immediately following petal fall to control first generation crawlers.
  - **Leafminers:** To control first generation populations, make application immediately following petal fall. For control of second and third generations, make applications to coincide with egg deposition. Apply higher rates for heavy infestations.
  - **Plum curculio:** Make application immediately following petal fall. Apply higher rates for heavy infestations. Additional applications of a different insecticide may be necessary if pest pressure continues.
  - **Rosy apple aphid:** Apply when aphid colonies are first observed at the green tip through pink growth stage before leaf curling occurs.
- **Pre-Harvest Interval (PHI):** 35 days.
- **Maximum Voliam Flexi Allowed per Growing Season:** Do not exceed a total of 16.0 oz. of Voliam Flexi or 0.25 lb. a.i. of thiamethoxam containing products or 0.2 lb. a.i. of chlorantraniliprole containing products per acre per growing season.
- **Minimum Interval between Applications:** 10 days.

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- **Water Volume:** Use a minimum of 100 gals. of water /A applied with ground equipment to ensure thorough coverage of foliage.
- **Do not** apply by air.
- **Do not** use an adjuvant with applications of Voliam Flexi within 60 days of harvest in pome fruit.
- Make no more than 4 applications per season.

**Refer to Pollinator Precautions section.**

**Refer to Resistance Management section.**

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Crop	Pest	Rate Per Acre Per Application
Potato	Aphids Beet Armyworm Cabbage Looper Colorado Potato Beetle European corn borer Flea Beetles Potato Leafhopper	4.0 oz./A

- **Application Timing:** Apply before pests reach damaging levels. Scout fields and treat again if populations rebuild to potentially damaging levels. Apply higher rates for heavy infestations.
- **Pre-Harvest Interval (PHI):** 14 days
- **Maximum Voliam Flexi Allowed per Growing Season:** Do not exceed a total of 8.0 oz. of Voliam Flexi or 0.094 lb. a.i. of thiamethoxam containing foliar products or 0.2 lb. a.i. of chlorantraniliprole containing products per acre per growing season.
- **Minimum Interval between Applications:** 7 days
- **Water Volume:** Use sufficient water volume to ensure thorough coverage of foliage. Do not use less than 10 GPA for ground applications or 5 GPA for aerial applications.

Refer to Pollinator Precautions section.  
Refer to Resistance Management section.



Crop	Pest	Rate Per Acre Per Application
<b>Stone Fruit</b> Apricot Chickasaw plum Damson plum Japanese plum Nectarine Peach Plum	Aphids Codling Moth Green Fruitworm Leafhoppers Oriental Fruit Moth Peach Twig Borer	4.0 – 7.0 oz./A
Plumcot Prune (fresh) Sweet and tart cherry	Cherry Fruit Fly Plum Curculio Stink Bugs Tarnished Plant Bug Thrips	6.0 – 7.0 oz./A

- **Application Timing:** Apply before pests reach damaging levels. Scout fields and treat again if populations rebuild to potentially damaging levels. Apply higher rates for heavy infestations.
- **Pre-Harvest Interval (PHI):** 14 days
- **Maximum Voliam Flexi Allowed per Growing Season:** Do not exceed a total of 14.0 oz. of Voliam Flexi or 0.172 lb. a.i. of thiamethoxam containing products or 0.2 lb a.i. of chlorantraniliprole containing products per acre per growing season.
- **Minimum Interval between Applications:** 10 days
- **Water Volume:** Use sufficient water volume to ensure thorough coverage of foliage. Do not use less than 100 or more than 200 GPA for ground applications.
- Do not apply by air.
- For sweet cherry and tart cherry: Do not use an adjuvant with applications of Voliam Flexi.
- Make no more than 3 applications per season.

**Refer to Pollinator Precautions section.**  
**Refer to Resistance Management section.**

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## ROTATIONAL RESTRICTIONS

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Treated areas may be replanted immediately following harvest, or as soon as practical following last application, with any crop listed on this label or to *Brassica* leafy vegetables, Cucurbit vegetables, Fruiting vegetables, Leafy vegetables or cotton. Members of the Root and Tuber vegetables (Crop Group 1) except sugarbeets may be planted back immediately. The following crops may be planted 30 days following the last application of Voliam Flexi: Legume vegetables (Crop Group 6), soybean, barley (ID, ND, OR, SD, and WA only) wheat, sorghum and strawberry. Any cover crop planted for erosion control or soil improvement may be planted as soon as practical following the last application. However, the cover crop may not be grazed or harvested for food or feed. For all other rotational crops intended for food or feed, a 12 month plant back interval must be observed.

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## STORAGE AND DISPOSAL

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

### Pesticide Storage

Store in a cool, dry place.

### Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

### Container Disposal


Non-refillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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## Residue Removal

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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Viton® is a registered trademark of E.I. DuPont de Nemours and Company

For non-emergency (e.g., current product information) call Syngenta Crop Protection at 1-800-334-9481.
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Manufactured for:  
Syngenta Crop Protection, Inc.  
P.O. Box 18300  
Greensboro, North Carolina 27419-8300  
[www.syngenta-us.com](http://www.syngenta-us.com)

SCP 1319A-M(draft)

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(Non-detachable container label)

**VOLIAM Flexi™**

Insecticide

GROUP	4A	INSECTICIDE
GROUP	28	INSECTICIDE

For control of listed insect pests infesting various crops

Active Ingredient:	
Thiamethoxam <sup>1</sup> .....	20.0%
Chlorantraniliprole <sup>2</sup> .....	20.0%
Other Ingredients:	60.0%
Total:	100.0%

<sup>1</sup>CAS No. 153719-23-4

<sup>2</sup>CAS No. 500008-45-7

Voliam Flexi is a water-dispersible granule.

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional precautionary statements and directions for use in booklet.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-1319

EPA Est. XXXXX

SCP 1319A-M(draft)

Net Weight

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## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

#### CAUTION

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

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>HOT LINE NUMBER</b> For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call <b>1-800-888-8372</b>	

### Environmental Hazards

~~This pesticide is toxic to wildlife and highly toxic to aquatic invertebrates, oysters and shrimp.~~

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

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment washwater.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment.

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### **Pesticide Storage**

Store in a cool, dry place.

### **Pesticide Disposal**

Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

### **Container Disposal**

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### **Residue Removal**

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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**Refer to Surface Water Advisory, Ground Water Advisory, Spray Drift Advisory and Physical or Chemical Hazards sections in booklet.**

**Do not apply this product through any type of irrigation system.**

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