

100-1306

07-02-2009

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



OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

July 2, 2009

Pat Dinnen
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419-8300

Dear Ms. Dinnen:

Subject: Label Notifications for Pesticide Registration Notice 2007-4

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated June 22, 2009 for:

- EPA Registration 100-1305; CruiserMaxx™ Cereals Insecticide with Fungicides
- * • EPA Registration 100-1306; Optigard® Flex Liquid Insecticide

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records. Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-308-8735 or email me at chao.julie@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Julie A. Chao".

Julie A. Chao
Insecticide-Rodenticide Branch
Registration Division (7505P)
Office of Pesticide Programs

 Environmental Protection Agency Washington, DC 20460	United States	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number Notification
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Application for Pesticide - Section I

1. Company/Product Number 100-1306	2. EPA Product Manager Venus Eagle	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Optigard Flex Liquid Insecticide	PM# 1	
5. Name and Address of Applicant (Include ZIP Code) Syngenta Crop Protection, Inc. P. O. Box 18300 Greensboro, NC 27419 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name JUL 02 2009

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application. _____
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For Section I and Section II.).

Notification of label change per PR Notice 2007-4. This Notification is consistent with the guidance of PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for 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 §§156.10, 156.140, 156.144, 156.146, and 156.156, 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.

Syngenta is amending the Storage and Disposal section of the label by Notification according to the directions stated in PR Notice 2007-4.

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
*Certification must be submitted		If "Yes" No. per Unit Packaging wgt. Container	If "Yes" No. per Unit Packaging wgt. container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 12 x 8 oz	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Other <u>Pressure Sensitive</u> <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Pat Dinnen	Title Label Group Leader	Telephone No. (Include Area Code) 336-652-7494	
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Specialist		
4. Typed Name Pat Dinnen	5. Date June 22, 2009		



FedEx

June 22, 2009

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Attention: Ms. Linda Arrington

**SUBJECT: OPTIGARD® FLEX LIQUID INSECTICIDE
EPA REG. NO. 100-1306
NOTIFICATION OF LABEL CHANGE PER PR NOTICE 2007-4**

Syngenta Crop Protection, Inc. is submitting Notification for Optigard Flex Liquid Insecticide, EPA Reg. No. 100-1306. Syngenta is amending the Storage and Disposal section of the label by Notification according to the directions stated in PR Notice 2007-4.

Attached are:

- One copy of the label with the changes clearly marked
- One unmarked copy of the label
- A CD of the unmarked copy of the label for "Electronic Comparison and Review"
- Certificate with Respect to Label Integrity Form
- Completed EPA Form 8570-1

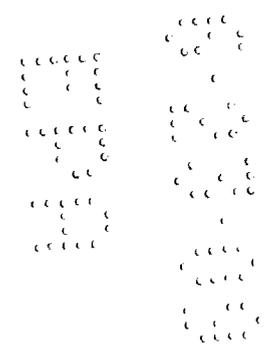
Thank you in advance for approving this Notification. If you have any questions, please contact me at 336-632-2494.

Sincerely,

Pat Dinnen

Pat Dinnen
Label Group Leader
Regulatory Affairs

Enclosures



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(Master Label)

**Optigard® Flex Liquid
Insecticide**

To be applied only by or under the supervision of commercial applicators responsible for pest control programs.

- For control of listed pests [*optional*: including cockroaches, ants (except carpenter ants and Pharaoh ants), fire ants and beetles].
- For control of localized infestations of drywood termites, carpenter bees, and wood-destroying beetles and borers.

Active Ingredient:	
Thiamethoxam ¹ (CAS No. 153719-23-4)	21.6%
Other Ingredients:	78.4%
Total:	100.0%

¹ a thianicotinyl neonicotinoid insecticide

Optigard Flex Liquid is a suspension concentrate formulation that contains 2 lbs. thiamethoxam per gal. formulated product (244 grams thiamethoxam per liter formulated product).

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. 100-1306

EPA Est. XXX

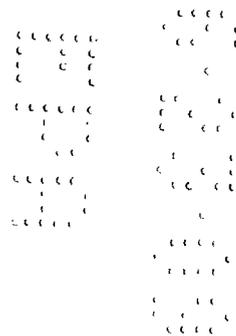
Product of XXXXX
Formulated in the USA

SCP 1306A-M(6-12-08)

Net Contents

NOTIFICATION

JUL 02 2009



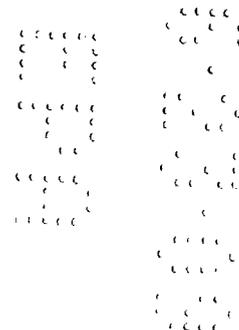
FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: 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 on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • 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 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 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	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if inhaled or absorbed through skin. Do not breathe vapor or spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.



Personal Protection Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material - Category A (e.g., barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride [PVC] or viton)
- Shoes plus socks

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.

User Safety Recommendations:

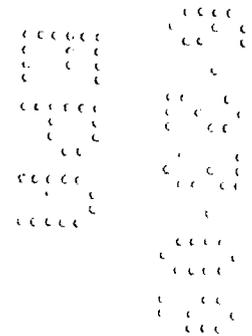
- Wash hands thoroughly before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards

This pesticide is toxic to wildlife and highly toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

Physical and Chemical Hazards

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



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.

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.

USE RESTRICTIONS

- **Use in all indoor permitted sites, including food handling establishments, must be restricted to areas which eliminate exposure to food handling surfaces and areas that are not easily accessible to occupants.**
- **Use of Optigard Flex Liquid in food/feed areas of food handling establishments must be restricted to structural voids which eliminate exposure to food handling surfaces.**
- Do not apply this product in a way that will contact any other person. Only protected applicators may be in the area during application. Keep people or pets away from treated area until dry.
- In living areas, do not apply Optigard Flex Liquid as a broadcast spray. In these areas use only as a void application, or as a spot treatment (e.g. under and/or behind appliances) or crack and crevice application in areas where occupants will not be exposed to direct contact.
- When applying Optigard Flex Liquid as a crack and crevice or spot treatment in living areas, do not exceed 0.5 gallons/1000 sq. ft. of a 0.1% finished dilution.
- For void applications, do not apply until location of heat pipes, ducts, water and sewer lines, and electrical conduits are known. Caution must be taken to avoid puncturing and injection into these structural elements. Do not apply into electrical switches or receptacles or other wiring where electrical shock hazards exist.

APPLICATION PROCEDURES

Optigard Flex Liquid must be applied as a diluted finished application using mixing directions contained in this label. Treatment techniques used should provide placement of the product in the infested areas or as near as possible. Optigard Flex Liquid may be applied to structural voids, in cracks, crevices, corners or other out of the way places, such as under and behind kitchen appliances and baseboards, under sinks, around window and door frames, pipes and water heaters and in the attic, crawl space and garage. Acceptable locations for treatment also include non-living space areas including, but not limited to, crawl spaces, attics and unfinished basements.

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Applications may be made as a crack and crevice spray, a coarse, low-pressure spot spray, a surface spray or as a structural void application. Application to structural voids such as wall voids may be done by drilling a small hole into the void area or using a self-puncturing tip and injecting diluted product so that surfaces inside the void area are treated. Existing holes created by construction features may also be used to gain access to void treatment areas.

As described in the section on **CONTROL OF PESTS IN VOIDS**, closed, in-wall delivery systems may be used to apply product to the surfaces inside void areas.

Optigard Flex Liquid may also be used as a banded, spot treatment or crack and crevice application to perimeter exterior areas of structures for control of listed pests.

For remedial control of wood-destroying insects including drywood termites, wood-destroying beetles, and carpenter bees, Optigard Flex Liquid may be used as a spot treatment (including bait stations), wood surface application, or void application.

MIXING PROCEDURES

Mixing

Refer to **Application Dilution Table** for proper amount of Optigard Flex Liquid to be used to achieve the correct dilution. Refer to Use Directions of specific pest for application procedure and use rates.

To prepare the application mixture, fill the application tank $\frac{1}{4}$ - $\frac{1}{3}$ of desired volume with water before adding Optigard Flex Liquid. Then slowly add the required amount of Optigard Flex Liquid. Add the remaining amount of water and agitate until product is thoroughly mixed.

Application Dilution Table

Gallons of Finished Solution Desired	Amount in fl. oz. (or ml.) of Optigard Flex Liquid Needed to Obtain the Following % Dilutions of Active Ingredient:	
	0.05%	0.1%
1	0.27 fl. oz. (8 ml.)	0.54 fl. oz. (16 ml.)
3	0.81 fl. oz. (24 ml.)	1.62 fl. oz. (48 ml.)
5	1.35 fl. oz. (40 ml.)	2.71 fl. oz. (80 ml.)
10	2.71 fl. oz. (80 ml.)	5.41 fl. oz. (160 ml.)

DELIVERY OF OPTIGARD FLEX LIQUID WITH FOAM

The diluted finished product may be converted to foam and applied to control pest infestations. Depending on the circumstances, foam applications may be used alone or in combination with liquid applications.

Foam Mixing Procedures and Application

Using the following table, mix the appropriate amount of Optigard Flex Liquid in water with the foaming manufacturer's recommended volume of foaming agent for application by foaming equipment.

Mixing Table for Optigard Flex Liquid Foam

Amount of Optigard Flex Liquid	Gal. of Water	Foam Expansion Ratio	Finished Foam (gallons)	Finished Dilution (% active ingredient)
1.35 fl. oz. (40 ml.)	1.0	5:1	5	0.05
2.71 fl. oz. (80 ml.)	1.0	10:1	10	
4.0 fl. oz. (120 ml.)	1.0	15:1	15	
6.76 fl. oz. (200 ml.)	1.0	25:1	25	
2.71 fl. oz. (80 ml.)	1.0	5:1	5	0.1
5.41 fl. oz. (160 ml.)	1.0	10:1	10	
8.0 fl. oz. (240 ml.)	1.0	15:1	15	
13.53 fl. oz. (400 ml.)	1.0	25:1	25	

CONTROL OF WOOD DESTROYING INSECTS

Use Optigard Flex Liquid to control the following wood destroying insects. For specific application instructions refer to label text.

Pest	Application Method	Finished Dilution (% active ingredient)	Comments
Drywood Termites • Remedial Control	Foam - Galleries Liquid – Galleries	0.1%	Retreat as needed
Carpenter Bees	Liquid or Foam – Gallery treatment	0.1%	
Wood-Destroying Beetles and Borers	Liquid or Foam- Gallery or Wood Surface Treatment	0.1%	

*Finished dilution of foam applications based on concentration in finished foam (see Mixing Table for Optigard Flex Liquid Foam in **MIXING PROCEDURES**)

Control of Drywood Termites

When used as recommended in this label, Optigard Flex Liquid provides effective remedial control of localized infestations of drywood termites, including species of *Incisitermes*, *Cryptotermes* and *Marginitermes*. Knowledge of the biology and behavior of the drywood termite species involved, the locations and the extent of the infestation(s) will help to ensure successful control.

Treatment requirements for drywood termite control may vary due to state and local regulations. For advice concerning current drywood termite control regulations under local conditions, consult your State structural pest control regulatory agency.

Directions for Remedial Control of Drywood Termites in Infested Wood

To control drywood termites in localized areas of infested wood in structures, apply 0.1% Optigard Flex Liquid as a liquid or foam to voids and galleries in damaged wood, in spaces between wooden structural members or between wood and foundations. Locate galleries by using visual signs (e.g. fresh fecal pellets, or blistered wood), the presence of live pests, mechanical sounding techniques (tapping on the wood surface and listening for changes in sound to indicate changes in wood density), listening devices, motion detection devices or other technologies that help pinpoint drywood termite activity.

Wood Injection Method

Drill small diameter holes of appropriate size for the injection tip, or use a self-puncturing tip, positioned to intersect termite galleries within infested wood. Drywood termite emergence or pellet kick-out holes connect directly to galleries and are indicators of potential sites to drill and inject Optigard Flex Liquid. Care should be taken to avoid electrical wiring, plumbing, etc., when drilling and injecting. Do not drill or puncture completely through wood. Spacing of the holes will depend on the distribution of insect activity and galleries. Injection holes may be clustered in areas with insect activity as indicated by damage, live insects, or other indicators previously described. Injection holes on opposite sides of large (4"x10" or larger) structural beams may be necessary to effectively penetrate galleries.

Apply up to 50 ml. (1.7 fl. oz.) of finished Optigard Flex Liquid liquid solution at each injection hole. If using Optigard Flex Liquid as a foam preparation, inject a sufficient amount to fill galleries without allowing runoff.

Re-treatment guidelines: Reapply if insect activity within treated areas is detected 4 or more weeks following treatment. For best results in treating galleries, inject Optigard Flex Liquid into new injection holes positioned between previous injection sites.

Control of Carpenter Bees (localized treatment)

Apply a 0.1% dilution of Optigard Flex Liquid into carpenter bee galleries as a spray, mist or foam application. Apply up to 50 ml. (1.7 fl. oz.) of finished Optigard Flex Liquid liquid solution at each injection hole. If using Optigard Flex Liquid as a foam preparation, inject a sufficient amount to fill galleries without allowing runoff.

Control of Wood-Destroying Beetles and Borers

For control of wood-destroying beetles or borers, such as but not limited to: old house borers, powderpost beetles, false powderpost beetles, death-watch beetles, ambrosia or bark beetles. Apply Optigard Flex Liquid diluted to 0.1% as a spray, mist or foam to galleries, structural voids and or as wood surface treatments. For old house borers, or other beetles that form large galleries, treat the gallery system by drilling and injecting product with sufficient volume to cover the galleries. For beetles or borers that do not form galleries which can be readily injected (e.g. powderpost beetles) apply product as a liquid, mist or foam to exposed wooden surfaces in non-living space areas in crawlspaces, basements, attics, to structural voids, to spaces between wood elements of a structure or at joints between wood and foundations. Apply as a coarse liquid spray with low pressure (<25 psi), as a foam or mist application or by brushing diluted product onto the surface. Applications should be made in sufficient volumes to coat the target surface but less than the volume that creates runoff. Retreat as needed to maintain protection. Allow treated surfaces to dry before contacting them.

Surface applications may also be used to supplement spot treatment for termites, as a means to prevent re-infestation by swarming adult termites. Apply a 0.05%-0.1% dilution as a surface spray or mist to exposed wood surfaces in areas not used as living spaces, such as attics, crawlspaces, unfinished basements or structural voids.

CONTROL OF PEST IN VOIDS

Arthropod pests may occasionally invade structures through wall voids or other structural voids by entering cracks or other openings to the exterior. In conjunction with other appropriate methods such as exclusion or perimeter insecticide applications, Optigard Flex Liquid can control nuisance arthropods that move through or harbor in wall void areas. For best results, use Optigard Flex Liquid as part of an Integrated Pest Management (IPM) approach, in conjunction with other appropriate control methods such as perimeter insecticide applications, use of baits and the use of exclusion or other non-chemical control methods.

Method of Injection into Voids

To control (listed) pests, apply Optigard Flex Liquid at 0.05%-0.1% finished solution/foam to surfaces inside structural voids. Application to structural voids such as wall voids should be done by drilling a small hole into the void area, or using a self-puncturing tip, and injecting product as liquid or foam so that wood surfaces inside the

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void area are treated. Existing openings such as those around door or window frames may also be used as entry points to inject product. Apply enough volume to lightly coat the target surface. Do not exceed liquid volume that would allow runoff (e.g. for wood, runoff is about 0.05-0.1 ml./sq. inch). For example, a 2"x4"x16" wall void with wood frame should be treated with 2-4 ml. finished liquid solution per linear foot; other surfaces or wall void sizes may need more or less to achieve a light coating. For foam preparations, see instructions for use provided in the **MIXING PROCEDURES** section of this label. Apply approximately 60 – 120 ml. (2 – 4 fl. oz.) finished foam preparation per application point. Alternatively, closed, in-wall delivery systems may be used as described below to apply product to the surfaces inside void areas (see specific instructions in next section)

Use Optigard Flex Liquid for control of the following pests in voids and around structures.

Target Pests	Dosage of Optigard Flex Liquid	Remarks
Ants*(except carpenter ants and Pharaoh ants) Beetles Boxelder bugs Cockroaches Crickets Earwigs Firebrats Lady beetles Millipedes Pillbugs Silverfish Sowbugs	0.05 - 0.1% (0.27 fl. oz. [8 ml.]- 0.54 fl. oz. [16 ml.] Optigard Flex Liquid /gal. water or finished foam)	Use 0.1% rate for heavy pest infestations. * Optigard Flex Liquid may be used as a liquid or foam treatment to control ants (except carpenter ants and Pharaoh ants) in termite monitoring stations (see Treatment of In-Ground Outdoor Monitoring Stations section for instructions). Ants (except carpenter ants and Pharaoh ants) mounds may also be spot treated with 0.05 – 0.1% finished liquid or foam.

For optimal results, use foam application.

Fixed In-Wall Delivery Systems

Closed, in-wall insecticidal delivery systems such as permanently installed piping or flexible tubing may also be used to deliver diluted product to inaccessible areas. Generally, about one ounce of finished liquid product is needed per 35-40 ft. of tubing (based on 1/8"-diameter tubes). For these systems, use 0.05%-0.1% dilution rates as listed in the **Application Dilution Table**. Prepare the finished product at the appropriate dilution, inject into system as recommended by delivery system manufacturer.

INTERIOR PEST CONTROL

In addition to void applications (see section **Control of Pests in Voids**), crack and crevice or spot applications may be made to control listed pests in areas not easily accessible to humans. Treatment areas include points or cracks between different elements of construction, spaces between equipment and floor or wall, openings leading to voids in walls, spaces beneath equipment or cabinets or spaces between trim and floors or walls.

Apply 0.1% Optigard Flex Liquid dilution as a spot or crack and crevice treatment directly into cracks and crevices or other non-exposure areas as a low pressure spray using equipment capable of delivering a pin stream of insecticide. Applications may also be made as a foam preparation. Do not make surface applications to living spaces.

FOOD/FEED HANDLING ESTABLISHMENT USE

Food/feed areas include areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing foods, edible waste storage, and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas are also considered a food/feed area when food is exposed and facility is in operation.

Application within food/feed areas of food/feed handling establishments is limited to structural void treatments only. Do not apply Optigard Flex Liquid to areas where food/feed utensils or processing surfaces may become contaminated. If insecticide contacts an exposed surface where food is handled, wash exposed surface with an effective cleaning compound followed by a potable water rinse prior to use.

Apply Optigard Flex Liquid as a 0.05% - 0.1% finished foam directly into structural voids between different elements of construction (e.g. voids and hollow spaces in walls, floors and ceilings, around plumbing pipes, doors and windows, cabinets and closets). Target places where target pests may enter the structure.

[optional language:

EXTERIOR PEST CONTROL

For control of (listed) pests, use a 0.1% dilution of Optigard Flex Liquid as a void application, as an outdoor surface spray, a spot application or crack and crevice treatment. Refer to table in the section **Control of Pests in Voids** for a list of target pests. Apply to surfaces of structures where pests are likely to enter including but not limited to: utility entry points, soffit areas, eaves and attic vents, around doors or windows, weep or ventilation holes. Apply up to 2 gallons/1000 sq. ft. as a liquid. Optigard Flex Liquid may also be applied as a mist or foam. For ants (except carpenter ants and Pharaoh ants), treat along sidewalks or landscape edging or other areas where ants (except carpenter ants and Pharaoh ants) are likely to trail. Ant (except carpenter ants and Pharaoh ants) mounds may also be treated with a spot application or with a subsurface injection tool. Retreat as necessary to maintain control. For perimeter applications, do not exceed 17.0 fl. oz. (502 ml.) of Optigard Flex Liquid product per acre per year. When using a banded spray around the perimeter of the structure, a swath extending 2 feet up the structure exterior from the ground and 3 feet away from the foundation may be used.]

INDIVIDUAL MOUND TREATMENTS (FIRE ANTS)

For ants (*Solenopsis* spp.) prepare a drench solution at a concentration rate of 1 to 3 ounces per ten gallons of water. Thoroughly mix solution and apply directly to mounds. For control of small fire ant mounds (<6 inches in diameter at the surface) apply one gallon of drench solution per mound. For control of larger mounds, apply 2 to 3 gallons of the drench solution per mound. Direct the drench solution to the center of the mound. Do not apply less than 0.5 gallons or more than 3 gallons per mound. Not for broadcast application.

[optional language:

APPLICATION TO LANDSCAPE ORNAMENTAL PLANTS

Optigard Flex Liquid may be used on landscape ornamental plants to reduce populations of aphids, whiteflies and mealybugs which produce honeydew which serves as a food source for some ant species. Use a 0.1% liquid dilution of Optigard Flex Liquid as a foliar or banded application and apply up to 2 gallons/1000 sq. ft. Retreat as necessary to maintain control. Do not exceed 17.0 fl oz. (502 ml.) of Optigard Flex Liquid product per acre per year.]

STORAGE AND DISPOSAL

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

Storage

Store unused product in original container only, out of reach of children and animals and in a cool dry place.

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.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of unused pesticide, application 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.

Container Disposal Handling

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or conditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if other procedures allowed by state or local authorities, by burning. If burned, stay out of smoke.

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

Manufactured for:

Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, North Carolina 27419-8300
www.syngenta-us.com

SCP 1306A-M(6-12-08)

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(Non-Detachable Container Label)

Optigard® Flex Liquid

Insecticide

To be applied only by or under the supervision of commercial applicators responsible for pest control programs.

- For control of listed pests [*optional*: including cockroaches, ants (except carpenter ants and Pharaoh ants), fire ants and beetles].
- For control of localized infestations of drywood termites, carpenter bees, and wood-destroying beetles and borers.

Active Ingredient:

Thiamethoxam ¹ (CAS No. 153719-23-4)	21.6%
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Other Ingredients:	78.4%
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Total:	100.0%
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¹ a thianicotinyl neonicotinoid insecticide

Optigard Flex Liquid is a suspension concentrate formulation that contains 2 lbs. thiamethoxam per gal. formulated product (244 grams thiamethoxam per liter formulated product).

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 100-1306

EPA Est. XXXXX

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Net Contents

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if inhaled or absorbed through skin. Do not breathe vapor or spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
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 on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • 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 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 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	

STORAGE AND DISPOSAL

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

Storage

Store unused product in original container only, out of reach of children and animals and in a cool dry place.

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.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of unused pesticide, application 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.

Container Disposal/Handling

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if other procedures allowed by state or local authorities, by burning. If burned, stay out of smoke.

Refer to Environmental Hazards, and Physical and Chemical Hazards sections in booklet.

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