

100-1304

10/29/2008

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



OFFICE OF
PREVENTION, PESTICIDES,
AND TOXIC SUBSTANCES

OCT 29 2008

Thomas J. Parshley
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419-8300

Dear Mr. Parshley:

Subject: Submission of amended labeling to add additional optional marketing claims
Thiamethoxam 0.20/Lambda-Cyhalothrin 0.04 L&G GR
EPA Registration No. 100-1304
Your submission dated 9/24/08; resubmission dated 10/21/08

The proposed labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable. A stamped copy is enclosed for your records. Please submit two copies of your final printed labeling before you release the product for shipment. Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). If you have any questions, please contact Julie Chao by phone at: (703) 308-8735, or by email at: chao.julie@epa.gov.

Regards,

A handwritten signature in cursive script that reads "Venus Eagle".

Venus Eagle
Insecticide-Rodenticide Branch
Registration Division (7505P)

Enclosure

(Master label)

Thiamethoxam 0.20/Lambda-cyhalothrin 0.04 L&G GR

[For control of grubs and other listed insects in lawns and landscape plantings and around the home]

Active Ingredient:

Thiamethoxam (CAS No. 153719-23-4)..... 0.20%

Lambda-cyhalothrin (CAS No. 91465-08-6)..... 0.04%

Other Ingredients:..... 99.76%

Total:..... 100.00%

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 [on bag].

EPA Reg. No. 100-1304
EPA Est. XXXX

SCP 1304A M(draft-b)

Net Weight

Manufactured for
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, North Carolina 27419-8300

ACCEPTED
OCT 29 2008

**Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for the
pesticide registered under:**

EPA. Reg. No: 100-1304

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if inhaled. Avoid breathing dust. Remove and wash contaminated clothing before reuse. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

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.
NOTE TO PHYSICIAN Treat symptomatically.	
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 [Alternate phone number]	

Environmental Hazards

This product is extremely toxic to fish and 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 apply when weather conditions favor movement from treated areas. Run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater.

CONDITIONS OF SALE AND DISCLAIMERS OF WARRANTY AND LIMITATIONS OF LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Disclaimers of Warranty and Limitations of 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 the directions under normal use conditions. You assume any and all risk of using, storing, or handling this product contrary to label instructions, or under abnormal conditions or conditions not reasonably foreseeable to Seller or Syngenta. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NEITHER SYNGENTA NOR SELLER MAKE ANY WARRANTY OF MERCHANTABILITY NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES EXCEPT AS STATED ABOVE.**

To the extent consistent with applicable law, in no event shall Syngenta or Seller be liable for any incidental, consequential, or special damages resulting from the use, storage, or handling of this product.

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.
- [In New York State, do not apply within 100 feet of a coastal marsh, or stream that drains directly into a coastal marsh.]
- Do not use measuring utensils such as teaspoons or cups for food purposes after use with insecticides.
- Do not allow children or pets to re-enter until the treated area has been watered-in and allowed to dry.
- Do not apply by hand. Use appropriate specified application equipment.

WHERE TO APPLY

- Home lawns
- Landscape plantings
- Flower beds
- [Perimeter] [Band] treatment around the home

BENEFITS

- Provides control of grubs in lawns and landscaped plantings
- Can apply to the soil for control of listed foliar insects
- Readily absorbed by the roots and leaves and distributes throughout the plant
- Residues on the leaves are quickly degraded
- Can be used on all major lawn grasses and landscape plantings
- Provides a barrier to insect pests around your home

INSECT PESTS CONTROLLED

- White grubs
- Aphids
- Mole crickets
- Chinch bugs
- And other labeled pests

HOW THIAMETHOXAM 0.20/LAMBDA-CYHALOTHRIN 0.04 L&G GR WORKS

Thiamethoxam 0.20/Lambda-cyhalothrin 0.04 L&G GR controls listed chewing and sucking insects through contact and by ingestion both in the soil and in plant tissue.

When Thiamethoxam 0.20/Lambda-cyhalothrin 0.04 L&G GR is applied to the lawn or soil around your home or landscape plantings, the active ingredient is released from the granule by watering-in or rainfall. In the soil, the active ingredient controls insects living in the soil. In addition, the active ingredient is absorbed in the root system and rapidly moves throughout the plant. Insects feeding on the above ground portions of the plant will stop feeding. In turf and small landscape plants, insect feeding will stop within a few hours. For large landscape plants, it may take several days or weeks before stem and foliar insects are controlled.

LAWNS AND LANDSCAPE PLANTS

HOW TO APPLY

Apply with a broadcast or drop spreader (see Spreader Settings).

- Determine the size of the area to be treated.
- Use the spreader setting to deliver the rate listed in the following chart.
- Use the higher recommended rate for lawns with heavy thatch (greater than $\frac{3}{4}$ inch).
- For landscape plantings, use a spreader or a hand-held spreader. Do not apply from your hand.
- Apply up to 3 pounds per 1,000 square feet per year.
- Do not eat fruit and nuts from treated plants.

Water-in the granules: Hose spray or rainfall.

- If you have an existing insect problem, optimal results may be achieved by watering-in within 1 day.
- If you are preventing an insect problem, optimal results may be achieved by watering-in within 3 days.
- Maintain adequate soil moisture after application for optimum control.
- Do not mow the lawn until the treated area has been watered-in.
- Keep children and pets off the area until dry.

Insect Pest	How Much to Apply	When to Apply
Underground/Thatch Infesting Insects		
Billbugs	3 lb. per 1,000 sq. ft.	Apply when activity is first observed or when chewed or brown grass indicates billbugs are present.
Black turfgrass ataenius (adult) Chiggers European crane flies	2 to 3 lb. per 1,000 sq. ft.	Apply when first noticed.
Chinch bugs	2 to 3 lb. per 1,000 sq. ft.	Apply prior to hatching of nymphs.
Hyperodes weevils (adult)	3 lb. per 1,000 sq. ft.	Apply when first noticed, about April - May.
Mole crickets	2 to 3 lb. per 1,000 sq. ft.	For Florida, apply once in April to early May. In other areas, apply mid-May to mid-June.
White grubs*	2 to 3 lb. per 1,000 sq. ft. or 3 to 4 teaspoons per 10 sq. ft. of planting bed or ½ to ¾ cup per 100 sq. ft. of planting bed	May through mid-August. Contact your local Cooperative Extension Service for the best time to apply in your area.
Surface Insects		
Armyworms Cockroaches Crickets Cutworms Earwigs Fleas Grasshoppers Green June Beetles Greenbugs Japanese Beetles (adult) Leafhoppers Millipedes Mites Mosquitoes Palmetto bugs Pillbugs Sod webworms Sowbugs Spittlebugs Springtails Ticks Waterbugs	2 to 3 lb. per 1,000 sq. ft. For heavy infestations: 3 lb. per 1,000 sq. ft.	Apply when insects are present.

Insect Pest	How Much to Apply	When to Apply
Annual bluegrass weevil	3 lb. per 1,000 sq. ft.	Apply when insects are present.
Ants (except carpenter ants and Pharaoh ants)	1 to 2 teaspoons around each ant hill	Apply when ants (except carpenter ants and Pharaoh ants) are present. For optimal control, gently water-in after application, to avoid disturbing the ants (except carpenter ants and Pharaoh ants). (If necessary, first break soil crust to ensure water penetrates the mound.)
Leaf Feeding Insects		
Aphids Mealybugs Whiteflies	1 to 3 lb. per 1,000 sq. ft. or 1½ to 4 teaspoons per 10 sq. ft. of planting bed or ⅓ to ¾ cup per 100 sq. ft. of planting bed	Apply preventively, before you see insects.
* Grubs (larvae) of: Asiatic garden beetle, Black turfgrass atenioides, Dung beetle, European chafer, Green June beetle, Japanese beetle, May or June beetle, Northern masked chafer, Oriental beetle, Scarab beetle, Southern masked chafer.		

[HOME BAND TREATMENT]
[HOME PERIMETER TREATMENT]
[BAND TREATMENT AROUND FOUNDATION]

HOW TO APPLY

- Before you apply,
 - remove debris and leaf litter from next to the foundation
 - cut back vegetation and branches that touch the foundation
 - move or rake back rocks, deep mulch, or other material that could harbor pests next to the foundation.
- Spread granules evenly 3-5 feet out from the foundation using a hand held applicator or spreader.
- Water-in the granules (hose spray, watering can or rainfall).

Insect Pest	How Much to Apply	When to Apply
Ants (except carpenter ants and Pharaoh ants)* Beetles Cockroaches Crickets Earwigs Firebrats Fleas Millipedes Mites Mosquitoes Palmetto bugs Pillbugs Scorpions Silverfish Sowbugs Spiders (excluding black widow and brown recluse spiders) Ticks Waterbugs	2 to 3 lb. per 1,000 sq. ft.	Apply preventatively or when insects are noticed.

* Argentine, Allegheny Mound, Cornfield, Field, Honey, Nuisance, Pavement, Southern.

SPREADER SETTINGS

(Spreader setting table available at final printing)

(This paragraph – footnote to table of spreader settings) Spreader settings are approximate. Differences may occur due to condition of spreader, speed at which applied, and roughness of area treated. Be sure to check spreader at the beginning of the application; adjust spreader if necessary.

[Broadcast Spreaders: If your lawn is rectangular, apply two border strips across each end for a turning area. If your lawn is an irregular shape, apply a border strip completely around it. Then apply product back and forth in the longest direction. Turn the spreader off and on at the edge of each strip to prevent uneven application. Overlap the throw pattern by about a foot to ensure complete coverage.

Drop Spreaders: First, apply two border strips along the edge of each end of the lawn. Then apply product along the length of lawn, overlapping slightly and shutting off the spreader before turning as you reach the edge of the border strips.]

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 *(consumer products)*

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 1-800-888-8372 [Alternate phone number] for disposal instructions. Never place unused product down any indoor or outdoor drain.

Pesticide Disposal *(bulk and mini-bulk)*

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office.

Container Disposal *(bulk and mini-bulk)*

Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.


Recyclable/Refillable Container Precautions *(bulk and mini-bulk)*

Before refilling, RETURNABLE CONTAINER, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices. **REFILL ONLY WITH Thiamethoxam 0.20/Lambda-cyhalothrin 0.04 L&G GR.** The contents of RETURNABLE CONTAINERS cannot be completely removed by cleaning. Refilling with materials other than Thiamethoxam 0.20/Lambda-cyhalothrin 0.04 L&G GR will result in contamination and may weaken container. After filling and before transporting, check for leaks. Do not refill or transport damaged or leaking container.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

Optional Comprehensive List of Marketing Claims

- Controls [kills] insects in 24 hours
- Works in 24 hours
- [Ready-][Easy-] to-Use
- Easy-to-Spread Granules
- Ready-To-Spread Granules
- Granules Dissolve for Quicker Release
- Low Odor
- Controls [Listed] [Lawn] [Turf] Pests
- Can be Applied to: [Lawns] [Turf], Landscape Plantings and Flower Beds, and around the outside of the home.
- [Kills] [Controls] Common [Lawn] [Turf] and Landscape [Pests] [Insects]
- [Kills] [Controls] A Variety of [Lawn] [Turf] and Landscape [Pests] [Insects]
- Apply As A [Perimeter] [Barrier] Treatment Around Your Home
- [Provides] Season-Long Grub Control
- [Can be Applied] [Apply] [Spring] Through [Late] Summer
- Kills Ants [On Contact]
- Contains [Thiamethoxam]
- Contains [Lambda-cyhalothrin]
- A Single Application Controls Grubs [Season-Long]
- Protects [Lawns] [Turf] [Turfgrass] from Grub [Damage] [Feeding]
- Controls Grubs and Allows Turf to Recover from Grub Damage
- [Results] Guaranteed or Your Money Back
- Guaranteed Results or Your Money Back
- Resealable Bag
- Easy [Pour] [Empty] Bag
- [10 lb. bag] Treats up to 5,000 sq. ft.
- [15 lb. bag] Treats up to 7,500 sq. ft.
- [20 lb. bag] Treats up to 10,000 sq. ft.
- Kills [over][more than] 50 listed insects
- [controls] [kills] [soil pests] [insects] [grubs] on contact
- [grub] feeding will stop within minutes [to hours]
- Kills grubs on contact and provides season-long control
- [Kills] [controls] insects above and below ground
- [Kills] [controls] insects overnight

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

SCP 1304A-M (draft-b)

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