

100-1257

2/7/2007

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

EPA Reg. Number:  
100-1257

Date of Issuance:  
FEB - 7 2007

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

Term of Issuance:  
Conditional

Name of Pesticide Product:  
Lufenuron Termite Bait

Name and Address of Registrant (include ZIP Code) :

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

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby conditionally registered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA §3(c)(7)(A)(ii) provided that you:

1. Make the following label changes before you release the product for shipment:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 100-1257."

Continued on page 2

Signature of Approving Official:

*See Page 3*

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

Date:

FEB - 7 2007

2. Revise the label as follows:

- a. The first aid section and statements for oral and dermal exposure must appear on the label. (The product is classified as toxicity category III for both the oral and dermal exposure routes.) Display at least the following:

<b>FIRST AID</b>	
If swallowed	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If in eyes	<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>

- b. Under “CONDITIONS OF SALE AND LIMITATION OF WARRANTY”, revise section in accordance with the guidance provided by the pesticide labeling committee. This information can be found at:
  - <http://www.epa.gov/pesticides/regulating/labels/warranty.pdf>
- c. Under “Instructions For Use: General Use Pattern: Pre-Construction Use” (p. 6) make the following modifications:
  1. Stations ~~should~~ must be placed around the structure...
  2. Stations ~~should~~ must be installed after the final grade...
- d. In sections for Below-Ground use under “Bait Station Inspection and Servicing Instructions” modify the text as follows:
  - Monitoring stations must be inspected monthly when termite activity is known to be present at the site and environmental conditions are favorable for termite feeding (see note below) until bait has been deployed. Once the station is loaded with Impasse Termite Bait, recheck bait supply at least every 3 months. However, when used... as described above. If no termite activity at a site is documented, then monitoring station inspections must occur at least every 3 months.
- e. In the section for Below-Ground use under “Inspection Interval Adjustments” modify the text as follows:
  - In colder climates...but in no case is the inspection interval to be greater than 4 months.

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- f. In the section for Above-Ground use under "Inspection and Servicing of Bait Receptacles" modify the text as follows:
- After installation, bait receptacles loaded with Impasse Termite Bait must be inspected at 2-4 week intervals,...

3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Sincerely,



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

Enclosures  
Stamped Label



(Label language for all Lufenuron Termite Bait uses)

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**

**Personal Protective Equipment (PPE)**

**Formulators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Socks and shoes

**User Safety Recommendations After Bait Use:**

- Wash hands thoroughly before eating, drinking, chewing gum, using tobacco, or using the toilet.

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(Label language for all Lufenuron Termite Bait uses)

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**CONDITIONS OF SALE AND LIMITATION OF WARRANTY**

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

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

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Syngenta and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and of 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.

For use by individuals/firms licensed or registered by the state to apply termiticide products. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the structural pest control regulations of your state prior to use of this product.

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### GENERAL PRECAUTIONS

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**Do not** use, handle or tamper with bait container in a manner inconsistent with this label.

**Do not** apply this product in a way that will cause exposure to people or pets. **Do not** place bait into soil that is water saturated or frozen.

Locate heating/air conditioning ducts, air vents, plumbing pipes, drainage systems, sewer lines and electrical lines/conduits before drilling holes for termite trap placement. Caution must be taken to avoid puncturing and contaminating water lines or drainage systems.

**Do not** contaminate public and private water supplies, water, food, or feed by storage or disposal.

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### GENERAL INFORMATION

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Lufenuron Termite Bait, when used as recommended in this label provides effective control or population suppression of subterranean termites, including species of *Reticulitermes*, *Heterotermes*, and *Coptotermes*. Lufenuron Termite Bait is a ready-to-use formulation composed of a cellulose bait matrix treated with 1,500 ppm (0.15%) Lufenuron, a slow-acting, insect growth regulator. Lufenuron interferes with the termite's molting process, and as a result, termites are killed. Due to the normal food exchange among termites, individuals that have fed on Lufenuron Termite Bait distribute the treated bait to other termites in the colony. Control of termites in structures may require 1-4 months or more, depending on weather, moisture, levels of termite activity, termite species and time of year.

Lufenuron Termite Bait is designed to be used as a tool in integrated management of termites in and around structures and can be used as a means to control active infestations of termites in structures, or to reduce populations of termites in areas surrounding structures. Suppression of termite populations around structures with

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*(Label language for all Lufenuron Termite Bait uses)*

Lufenuron Termite Bait is intended to reduce the overall risk of attack and damage by termites to the structure.

Integrated management of termites may include the deployment of multiple tactics designed to avoid or eliminate termites, including the elimination of termite-conducive conditions, use of bait or liquid termiticides, or other methods. Choice of appropriate procedures should include consideration of such variables as the location of termites in and around the structure, the design of the structure, soil type, soil compaction, grade conditions, water table, and location and type of domestic water supplies and drainage systems. Effective termite control should include elimination of termite access to moisture by recommending repair of faulty construction grade and/or plumbing, and removal of all wood and cellulose containing debris in contact with soil from crawl spaces, porches, and around foundations.

Knowledge of the biology and behavior of the termite species involved, and the extent of the infestation will help to ensure successful control. Treatment requirements for subterranean termite control may vary due to state and local regulations, company policy, soil type, construction practices and other factors. For advice concerning current termite control regulations under local conditions, consult your State structural pest control regulatory agency or your State Cooperative Extension Service.



(Label language for Lufenuron Termite Bait Below-Ground use)

**Permitted Sites**

Lufenuron Termite Bait can be deployed in below-ground delivery systems to control termites in a wide range of termite-infested materials in and around structures. Permitted sites of use include but are not limited to houses, apartment buildings, industrial buildings, laboratories, and non-food/feed areas of stores, warehouses, schools, nursing homes, hospitals, restaurants, hotels, churches, food manufacturing, processing and service establishments. Lufenuron Termite Bait can be used to control local infestations of termites that occur in materials such as (but not limited to): structural wood products, posts, wood beams, roofs, building siding, foam insulation, or caulked joints and interior and exterior planters, decking, utility poles, fences, or situations such as (but not limited to): slab, basement or crawl space foundations, rubble foundations, masonry voids, manhole covers, electrical systems, attics, underground cabling, basements, porches, crawlspaces, sheds, and garages.

For the purposes of using this label, a housing unit is a single family dwelling (single home or townhouse). A garage, whether attached or detached, is considered part of the unit.

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**INSTRUCTIONS-FOR USE**

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**General Use Patterns**

**Pre-Construction Use:** Lufenuron Termite Bait may be used as a preventive termite control method for new construction in lieu of other termite control methods, such as a soil-applied termiticide. Stations should be placed around a structure using the guidelines for placement provided in the section on **Placement of Monitoring or Baiting Stations**. Stations should be installed after the final grade around exterior of the structure is prepared, typically after landscaping has been completed.

**Post-Construction Use:** Lufenuron Termite Bait may be used to control existing infestations in and around structures, or as a preventive method to reduce populations of termites in areas around structures.

**Direct Baiting:** Lufenuron Termite Bait may be placed directly into bait stations without first monitoring for termites. This method may be used for either pre-construction or post-construction uses where termite activity is suspected. Direct baiting may reduce the time required for termite colonies to acquire lethal amounts of lufenuron, therefore may reduce the time needed to control termite populations. Direct baiting may also reduce delays in termite control associated with disruption of termite activity when baiting is preceded by monitoring. Follow instructions in the section **Placement of Monitoring or Baiting Stations** to install stations, then fill with Lufenuron Termite Bait.

**Baiting With Monitoring Program:** Lufenuron Termite Bait may be deployed in conjunction with a pre-baiting monitoring program, whereby monitoring stations are

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*(Label language for Lufenuron Termite Bait Below-Ground use)*

loaded with a monitoring tube/cartridge. Once termites are found feeding on blank monitoring tubes/cartridges, Lufenuron Bait Tubes containing lufenuron are used to replace the monitoring tubes/cartridges in stations.

Timing and details of the monitoring programs should be appropriate to the level of termite activity, presence of termite-conducive conditions, and time of year. [Optional language: For best results use Syngenta termite monitoring/baiting stations to deploy Lufenuron Termite Bait.] Deployment of stations and bait should be done around the perimeter of the structure, and around areas in the yard or landscape area where termites are likely to occur.

As a means to reducing vicinity termite populations and thereby reducing the risk of structural attack by subterranean termites, a monitoring/baiting program may be used in areas adjacent to uninfested structures. Using termite monitoring/baiting techniques, a program of termite monitoring and bait deployment can be used to detect and treat populations of termites. Termite population reduction measures work best when combined with a soil treatment with a liquid termiticide, or use of other termite prevention technologies [Optional language: e.g., Impasse Termite Blocker.]

### **Placement of Monitoring or Baiting Stations**

Proper placement and maintenance of monitoring stations prior to deployment of Lufenuron Termite Bait is critical to successful management of termites using this system. The bait must be ingested by termites to provide control. The time required to gain control is dependent on how rapidly termites find and feed upon the bait. In general, baits should be deployed in locations around structures where conditions are conducive to termites. Areas at corners of structures near downspouts or areas with decaying wood materials that are near the structure are considered good locations for bait stations. Where such conducive conditions are not readily identified, bait stations should be placed outside the dripline of the roof, approximately 2-3 feet from the structure, and placed at intervals of approximately 10 feet. However, numbers and spacing of monitors should be adjusted based on local conditions. Stations may also be placed around areas in the yard or landscape area where termites are likely to forage. Such termite conducive areas in the home landscape include but are not limited to: decaying trees, shrubs or tree stumps, wood piles or ornamental beds with bark mulch. Continued monitoring of termites around the structure is strongly recommended since termite activity (different termite populations or different termite species) may return to the same or different sites in or around the structure over time.

Around individual residential structures or apartments, use enough bait stations to deploy Lufenuron Termite Bait to all areas of termite activity. Generally, 10-20 bait stations are adequate for most housing units.

Bait stations can be deployed in accessible crawl spaces, either in addition to stations placed around the perimeter of the structure, or instead of perimeter-installed stations.

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### **Bait Station Inspection and Servicing Instructions**

Stations should be monitored at least once every three months until bait has been deployed. Once the station is loaded with Lufenuron Termite Bait, recheck bait supply at least every 3 months. However, when used in areas with high levels of termite activity, more frequent servicing may be required to prevent depletion of the bait supply. When baiting active termite infestations, it is important to maintain supply of Lufenuron Termite Bait at all times to ensure that sufficient amount of Lufenuron is provided to the colony. The frequency of inspection should be adjusted according to termite species, foraging pressure and climatic conditions. Treatment of *Coptotermes* (Formosan) termites may require servicing of stations on a more frequent basis than for other subterranean termites. Continue providing bait until activity ceases. Once activity in the baited station has been eliminated, wait at least 2 months and then remove the Lufenuron Termite Bait and resume the termite monitoring schedule as described above.

Minimize disturbance of termites during all phases of Lufenuron Termite Bait treatment. This will promote normal foraging by termites and ensure adequate transfer of the bait toxicant to the termite colony. Replace bait if termites have consumed over 50% of the bait within a station. It may be desirable to provide auxiliary stations to increase the amount of bait in the immediate vicinity of heavy termite activity. The additional amount of bait available to the colony should hasten control. Generally, these auxiliary bait stations should be placed within 12 inches of the stations found to have termites, or as close as is practically feasible.

In some cases, heavy populations of termites feeding in structures may warrant a partial treatment with a contact termiticide to limit termite damage while Lufenuron Termite Bait has sufficient time to work. Partial treatments may not be permitted in some states, so consult state and local regulations before making a partial or spot treatment of termiticide.

### **Inspection Interval Adjustments**

In colder climates where soil temperatures may drop below 50° F, termite foraging and associated activity in monitoring or baiting stations may cease. During these periods of termite inactivity, it may be suitable to increase the interval of inspection to more than 3 months, but in no case should the inspection interval be greater than 6 months. However, the effects of soil temperature and moisture on termite foraging varies by termite species, geographic location, exact placement of stations around a structure, and various other environmental factors. Other conditions such as frozen or water-saturated soil, or normal seasonal decline in subterranean termite foraging may also support a lengthened inspection schedule. Therefore, local conditions and species targeted should be strongly considered before extending the length of the inspection schedule.

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(Label language for Lufenuron Termite Bait Above-Ground use)

**Permitted Sites**

Lufenuron Termite Bait can be deployed in above-ground delivery systems to control termites in a wide range of termite-infested materials in and around structures. Permitted sites of use include but are not limited to houses, apartment buildings, industrial buildings, laboratories, and non-food/feed areas of stores, warehouses, schools, nursing homes, hospitals, restaurants, hotels, churches, food manufacturing, processing and service establishments. Lufenuron Termite Bait can be used to control local infestations of termites that occur in materials such as (but not limited to): structural wood products, posts, wood beams, roofs, building siding, foam insulation, or caulked joints and interior and exterior planters, decking, utility poles, fences or trees or situations such as (but not limited to): slab, basement or crawl space foundations, rubble foundations, masonry voids, manhole covers, electrical systems, attics, underground cabling, basements, porches, crawlspaces, sheds, and garages.

For the purposes of using this label, a housing unit is a single family dwelling (single home or townhouse). A garage, whether attached or detached, is considered part of the unit.

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**INSTRUCTIONS-FOR USE**

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**General Considerations**

Lufenuron Termite Bait is used above-ground when termites are known or suspected to be actively infesting the structure and areas of above-ground termite infestation in the structure can be identified and are accessible. Compatible above-ground bait delivery stations may be used to provide direct access of Lufenuron Termite Bait to foraging termites in structures or other above-ground areas with termites. Termite activity indoors can be controlled by first locating termite mud tubes, then placing Lufenuron Termite Bait in a manner so that termites will be diverted from the mud tubes onto the station containing the termite bait. Once installed, receptacles loaded Lufenuron Termite Bait should remain in place as long as termites are actively feeding on the bait material.

**Placement of Bait Receptacles**

Position termite bait receptacles in areas of the structure near or in contact with known or suspected termite activity. Examples of such termite activity include inhabited termite mud tubes on structural elements and evidence of active termite infestations within the structure.

**Installation of Above-Ground Bait Receptacles**

Install bait stations in a manner to minimize disturbance of foraging termites, and place in locations where stations are not likely to be disturbed. Above-ground delivery stations should be attached securely to the infested surface, so that the station access

*(Label language for Lufenuron Termite Bait Above-Ground use)*

openings are positioned over mud tubes. Slightly moisten the Lufenuron Termite Bait with water before loading into the bait station. Seal areas around the loaded station so that the inside part of the delivery station is exposed to minimal light or air-flow.

**Inspection and Servicing of Bait Receptacles**

After installation, bait receptacles loaded with Lufenuron Termite Bait should be inspected at 2-4 week intervals, depending on the level of termite activity. If live termites are present in the receptacle and more than 50% of the bait has been consumed, refill the receptacle with Lufenuron Termite Bait. The Lufenuron Termite Bait receptacle can be removed, if termite feeding has not been observed for two consecutive monitoring periods. Once Lufenuron Termite Bait receptacles have been removed, periodic inspections of the structure for renewed termite activity are recommended.

**Use in Food Handling Establishments**

Lufenuron Termite Bait may be used in non-food areas of restaurants, food processing plants, food warehouses, grocery stores and supermarkets, schools, office buildings, apartments, hotels or motels, hospitals, commercial and industrial buildings or manufacturing facilities.

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**STORAGE AND DISPOSAL**

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

**Storage**

Store unused product in original container in a dry storage area, out of reach of children and animals.

**Container Disposal**

Place empty container in a trashcan.

**Pesticide Disposal**

Product not disposed of by use according to label directions should be wrapped in paper and placed in a trashcan.

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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.  
Greensboro, North Carolina 27419  
[www.syngenta-us.com](http://www.syngenta-us.com)

SCP xxxxA-M(draft new product)