



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
100-1174

Date of Issuance:
AUG 5 2004

NOTICE OF PESTICIDE:
 x Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
Unconditional

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 registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

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

This product is unconditionally registered in accordance with FIFRA sec. 3(c)(5).

Make the following changes to the labeling before releasing the product for shipping:

- a. Revise the EPA Registration Number to read, "EPA Reg. No.100-1174".
- b. Under General Precautions add the following statement, ❖
Do not use, handle or tamper with bait container in a manner inconsistent with this label. ❖

Signature of Approving Official:

See page 2

Date:

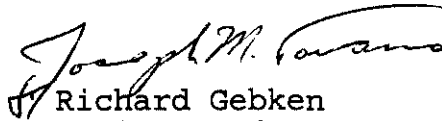
August 5, 2004

Submit two (2) copies of the revised final printed label for the record.

If the final printed labeling is not received prior to shipping, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these requirements.

A stamped copy of the label is enclosed for your records.

Sincerely,



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



LUFENURON TERMITE BAIT

A TERMITE BAIT FOR USE IN INTEGRATED MANAGEMENT SYSTEMS FOR PROTECTION OF STRUCTURES FROM TERMITES

For Use by Professional Pest Control Operators in Commercial, Industrial,
Institutional and Residential Areas.

Active Ingredient:

Lufenuron, N-[2,5-dichloro-4-(1,1,2,3,3,3-hexafluoropropoxy)- phenylaminocarbonyl]-2,6-difluorobenzamide.....	0.15%
Other Ingredients:	99.85%
Total:	100.00%

LUFENURON TERMITE BAIT is a cellulose-based bait matrix that contains 0.15%
by weight the insect growth regulator Lufenuron.

EPA Reg. 100-

EPA Est.

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 this label, find someone to explain it to you in
detail).

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

AUG 5 2004

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
100-1174

Precautionary Statements**Hazards to Humans and Domestic Animals****CAUTION**

Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

Personal Protective Equipment (PPE)**Applicators 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.

Environmental Hazards

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark.

First Aid for Lufenuron Technical and Baits

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

LUFENURON TERMITE BAIT

U.S. Patent No. _____

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 Syngenta Crop Protection, Inc.
 Greensboro, North Carolina 27419
 SCP Product ID.

U.S. Standard Measure

SCP

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire **Directions for Use** and the **Conditions of Sale and Warranty** before using this product. If terms are not acceptable, return the unopened product container at once.

CONDITIONS OF SALE AND WARRANTY

The **Directions for Use** of this product reflect the opinion of experts based on laboratory and field trials. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. This product has been tested under environmental conditions similar to those that are ordinary and customary where the product is to be used. Insufficient control of pests, or other unintended consequences may result from the occurrence of extraordinary or unusual conditions, or the failure to follow label directions. Use of the product under unusual circumstances or not in accordance with label directions are beyond the control of Syngenta Crop Protection, Inc. or the Seller. All such risks associated with such uses shall be assumed by the Buyer.

Syngenta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use** subject to the inherent risks referred to above. **Syngenta makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Syngenta or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** Syngenta and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing **Conditions of Sale and Warranty**, which may be varied only by agreement in writing 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.

STORAGE AND DISPOSAL

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 trash can.

Pesticide Disposal

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

GENERAL PRECAUTIONS

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, use or disposal.

GENERAL INFORMATION

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 LUFENURON TERMITE BAIT is intended to reduce the overall risk of attack and damage by termites to the structure.

Proper placement and maintenance of monitoring stations prior to deployment of Lufenuron baits 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. 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.

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.

Permitted sites: LUFENURON TERMITE BAIT can be deployed in below-ground or 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 in and around 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 in materials or situations such as (but not limited to): structural wood products, posts, rubble foundations, masonry voids, roofs, building siding, foam insulation, caulked joints, slabs, wood beams, non-food/feed areas, manhole covers, electrical systems, attics, underground cabling, basements, porches, crawlspaces, sheds, garages, and interior and exterior planters.

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.

Instructions-For Use: Below-Ground

General Considerations

Except for use in above ground stations, LUFENURON TERMITE BAIT must be used in conjunction with a regularly scheduled inspection and monitoring program. 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. LUFENURON TERMITE BAIT is designed to be applied using Syngenta termite

monitoring/baiting stations. Stations other than the Syngenta stations must be tested by the Pest Management Professional for compatibility prior to use to confirm that termites have direct access to the LUFENURON TERMITE BAIT from the soil through the delivery station.

Around individual residential structures or apartments, use enough bait stations to allow deployment of LUFENURON TERMITE BAIT to all areas of termite activity. 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. Generally, 10-20 bait stations are adequate for most housing units.

Bait Station Inspection and Servicing Instructions

For structures that do not have active termite populations, stations should be monitored at least once every three months until bait has been deployed. Once the station is loaded with LUFENURON TERMITE BAIT, it should be inspected at least monthly, but in situations with high levels of termite activity, more frequent servicing may be required to prevent depletion of the bait supply. When baiting 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. Generally, treatment of *Coptotermes* (Formosan) termites requires that servicing of stations be done on a more frequent basis than for other subterranean termites, as often as every two weeks.

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 when 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.

Remedial Treatment (Structures with Active Termites)

For structures with active infestations, deploy LUFENURON TERMITE BAIT in a manner to maximize access of bait to foraging termites. LUFENURON TERMITE 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. When such areas 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.

Once no new evidence of activity has been observed in bait stations for a period of two months, revert to the monitoring program described in the **preventive treatment** section of this label. If new or previously undiscovered termite activity is found in a structure under long-term monitoring, then procedures for bait deployment described in the **remedial treatment** section must be initiated.

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 regulations before making a partial or spot treatment of termiticide.

Preventive Treatments (Existing Structures Without Active Termite Infestations)

As a means of 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 Syngenta termite bait stations/monitors, or other compatible in-ground stations, a program of termite monitoring and bait deployment can be used to detect and treat populations of termites. Reduction of termite populations around structures by the use of LUFENURON TERMITE BAIT is designed to be a component of an integrated termite management approach, and is not intended as a sole means to protect structures. Termite population reduction measures work best when combined with a soil treatment with a liquid termiticide, or use of other termite prevention technology (e.g., IMPASSE® termite system). 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. 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.

For preventive treatments, install monitoring stations so that the probability of intercepting termites before they reach the structure is improved. Generally, placement of monitors at intervals of one per 10 linear feet should be used, however, numbers and spacing of monitors should be adjusted based on local conditions. Inspect the monitoring station within one month of installation. Thereafter, inspect stations at least once every three months. If active feeding is found in a monitoring

station, deploy LUFENURON TERMITE BAIT, and inspect at least monthly to ensure that a continuous supply of termite bait is available. Continue providing bait until activity ceases. Once activity in the baited station has been eliminated, remove the LUFENURON TERMITE BAIT and resume the termite monitoring schedule as described above.

Instructions-For Use: Above-Ground

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. Syngenta Above-ground bait delivery stations (or other compatible above-ground delivery stations) may be used to provide direct access of LUFENURON TERMITE BAIT to foraging termites in structures or other aboveground 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 with 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 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 one-third of the bait has been consumed, refill the receptacle with LUFENURON TERMITE BAIT. When feeding has not been observed for two consecutive monitoring periods, the LUFENURON TERMITE BAIT receptacle can be removed followed by periodic inspection of the structure for renewed termite activity.

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

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Greensboro, North Carolina 27419

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