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US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

64296-4

DATE OF ISSUANCE

SEP 27 1994

TERM OF ISSUANCE

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

BIOBLAST™ BIOLOGICAL
TERMITICIDE

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Ecoscience Corporation
One Innovation Drive
Worcester, MA 01605

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 section 3(c) (5). Once a pesticide is registered, however, it is not regarded as permanently acceptable. Registration does not eliminate the need for continual reassessment of pesticides. If EPA determines, at any time, that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c) (2) (B) of FIFRA.

- 1. Add the phrase, "EPA Registration No. 64296-4" to the label and submit five (5) copies of your final printed labeling before you release the product for shipment.

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

Rec'd 9/28/94
[Stamp]

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

9/27/94

BIO-BLAST™ BIOLOGICAL TERMITICIDE

[Product Code Name: ESC 1-M1-F4 (t)]

- Biological termite control agent.
- Odorless.
- Vaporless.
- Non-staining.
- Infected termites can pass the agent to others, through Horizontal Transfer™.
- Ideal for integrated termite management programs.

ACTIVE INGREDIENT:

Metarhizium anisopliae, Strain ESC 1 . . . 50%

INERT INGREDIENTS: 50%
100%

Note: Contains a minimum of 4 x 10⁹ viable conidia per gram.

KEEP OUT OF REACH OF CHILDREN

WARNING

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: Avoid breathing dust. Avoid contact with skin, eyes and clothing. May cause eye injury. Do not get in eyes or clothing. When mixing or loading wear protective eyewear (goggles, face shield, or safety glasses) and a dust/mist mask (MSHA/NIOSH approval number prefix TC-21C). Wash thoroughly with soap and water after handling, remove contaminated clothing and wash before re-use.

Environmental Hazards: Do not contaminate water when disposing of equipment washwaters or rinsate.

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Flush with plenty of water. Get medical attention if irritation persists.

EPA Reg. No.: 64296-U
EPA Establishment No.: 64296-MA-003
US Patent Pending

EcoScience Corporation
377 Plantation Street, Worcester MA 01605

ACCEPTED
 SEP 27 1994
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 64296-4

STORAGE AND DISPOSAL

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

Storage: Store in original containers only, near or below room temperature (< 25 °C, 77 °F). Avoid excessive heat during storage or transportation.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Wrap empty foil pouch and preservative packets and put in trash. Do not reuse empty pouch.

DIRECTIONS FOR USE

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

GENERAL DIRECTIONS:

Bio-Blast™ is an innovative, biological termiticide for the control of existing termite infestations in structures and their immediate surroundings, and for residual protection of treated wood. Bio-Blast™ is an important part of a comprehensive program of integrated pest management and can be used to complement soil treatments and mechanical alterations for the control of termites. Bio-Blast™ is targeted for use against the following termite species:

Subterranean - *Reticulitermes* spp., *Heterotermes* spp., *Coptotermes formosanus*
 Dampwood - *Zootermopsis* spp., *Prorhinotermes simplex*
 Drywood - *Cryptotermes* spp., *Kalotermites* spp., *Incisitermes* spp., *Marginitermes* spp.
 Powderpost - *Cryptotermes* spp.

Areas of use include, but are not limited to, residential dwellings, apartment buildings, commercial stores, offices, institutions, industrial buildings, warehouses, commercial establishments, hotels, computer and electronic equipment facilities, greenhouses, and schools. In living areas, make applications in such a manner as to avoid deposits on exposed surfaces or introduction of the material into the air.

MIXING DIRECTIONS:

For all treatments use a 0.5% active ingredient concentration of Bio-Blast™. To prepare a 0.5% dilution, mix entire contents of 1 foil packet (38 grams or 1.3 ounces) in sufficient water (1 liter or 1 quart) to make a slurry. Pour the slurry into a clean sprayer and add water to 1 gallon. Agitate for 30 seconds to ensure proper mixing and suspension of the wettable powder. Spray infested areas with a sufficient amount of spray to thoroughly penetrate and cover the area to the point of wetness, but avoid runoff. Do not use strainers finer than 50 mesh. Mix only the amount of diluted spray required for each application. A mixed suspension of Bio-Blast™ will remain effective for up to 8 hours. Agitate sprayer before applying to re-suspend any particles that may have settled out.

Important - Each foil pouch contains preservative packets. Do not add the packets to spray tank; discard with empty foil pouch. Use a clean sprayer for application. Contamination of equipment with insecticides, fungicides or borate termiticides may interfere with the action of the biological control agent in Bio-Blast™. Start with a new or clean sprayer, hoses, injection tools and mixing equipment. Identifying equipment as dedicated to Bio-Blast™ is recommended and will help prevent contamination. Do not tank mix with other pesticides. Bio-Blast™ must not be formulated into other end-use products.

APPLICATION DIRECTIONS:

Caution should be taken to avoid puncturing and injection into heat pipes, ducts, water and sewer lines and electrical conduits. Do not apply into heating or air conditioning duct work. To avoid electric shock, do not apply into electrical fixtures, sockets or switches.

Termites in Structures

Before applying Bio-Blast™, it is important to take the time to identify foraging areas of the termite infestation. Pay particular attention to infested wall voids, spaces between wooden members, under sill plates, door and window frames, baseboards, wood trim or any area being attacked or subject to attack. Carefully read the Specialized Termite Application section which describes treatment situations and techniques (nest cartons, mud shelter tubes, insulation) that may be encountered in structures. The effectiveness of this product is greatly enhanced if the spray is applied to as many foraging termites as possible. These treated termites will return to the colony and spread the biological active ingredient to others. Bio-Blast™ may be applied with a crack and crevice tool, as a coarse fan spray or by injection into infested wood. When injecting, a backslash guard on the treatment tool is recommended.

For the control of termites in accessible, localized areas of infested wood, apply a 0.5% dilution into galleries and voids in damaged wood and surrounding areas where wood is vulnerable. These sites include galleries and voids in sill plates, piers, girders, subfloors, floor joists, door and window frames, wood trim and any infested area which is exposed to access by termites from the soil or other points of entry. Spray a sufficient amount of the dilution to penetrate and thoroughly wet the area, but avoid runoff. Repeat treatments as necessary to maintain control.

Applications may be made to infestations which are difficult to reach or inaccessible by drilling holes approximately 8 to 10 inches apart and injecting a 0.5% dilution into the damaged wood or void spaces. Multiple holes may be drilled into the infested or vulnerable areas; however, treating one hole before the next is drilled will increase penetration of Bio-Blast™ into the target area. Inject a sufficient amount to spray to penetrate or cover the treatment area, approximately 10 - 15 seconds or to the point of runoff, if visible. Once the application has dissipated into the target area, a repeat application may be made to enhance penetration and coverage. Repeat treatments as necessary to maintain control.