

PM 18 63947-7

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
63947-7

Date of Issuance:  
APR 29 1994

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

Term of Issuance:  
Conditional

Name of Pesticide Product:  
Bactec BBT Granular  
Biological  
Insecticide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Bactec Corporation  
2001 Holcombe Blvd. #203  
Houston, Texas 77030

Notes: 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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 63947-7."
- b. Replace "var." in the ingredients statement with "subspecies."
- c. In the precautionary statements, modify "Causes eye irritation." to read "Causes eye and skin irritation."

Signature of Approving Official:

*See pp. 2+3*

Date:

*4/29/94*

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2.

- d. Directly in front of the statement "Applicators and other handlers must wear:" insert the heading "PERSONAL PROTECTIVE EQUIPMENT:".
  - e. In the personal protective equipment section modify "...shoes plus socks and protective eyewear." with "... shoes plus socks, protective eyewear and a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)." Note that this PPE requirement may be deleted from your label via a future amendment if it is demonstrated via sample submission that your product will not produce dust in the same manner as the major inert component of your product.
  - f. Add the following statements to the statement of practical treatment, "If swallowed: drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol. Get medical attention." and "If inhaled: remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention."
  - g. Delete the phrase "highly specific." You may claim that our product does not harm specific life stages of specific insects when supporting data is submitted which supports such claims.
  - h. In the Agricultural Use Requirements block, delete "notification of workers".
  - i. Replace "...or pesticide regulation." with "...for pesticide regulation."
3. Submit a five (5) batch analysis of samples to ensure equivalency between the end-use product and the material sold in commerce within 15 months of the date of this letter.
  4. Submit an actual storage stability study on your product within 15 months of the date of this notice. Please note changes, if any, in the visual appearance and smell of the product over time.

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- 5. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, 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 conditions.

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

Sincerely,



Phillip Hutton  
Product Manager 18  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

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# BACTEC BBT-

## GRANULAR BIOLOGICAL INSECTICIDE

<b>ACTIVE INGREDIENT:</b>	<i>Bacillus thuringiensis, var. kurstaki,</i> 2,200 International Units of potency per milligram - 1.00 Billion International Units per pound	0.44%*
<b>INERT INGREDIENTS:</b>		99.56%
<b>TOTAL:</b>		100.0%

\* Potency units should not be used to adjust use rates beyond those specified in the Directions for Use section.

**KEEP OUT OF REACH OF CHILDREN**

**WARNING - AVISO**

**PRECAUTIONARY STATEMENTS - HAZARDS TO HUMANS AND DOMESTIC ANIMALS:**  
Harmful if swallowed, inhaled or absorbed through the skin. Causes eye irritation. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Applicators and other handlers must wear: Long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear. Follow manufacturer's instructions for cleaning and maintaining PPE. If no instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**STATEMENT OF PRACTICAL TREATMENT:** If on skin, wash with plenty of soap and water. Get medical attention if irritation persists. If in eyes, flush with plenty of water. Get medical attention if irritation persists.

**ENVIRONMENTAL HAZARDS:** Do not contaminate water when disposing of equipment wash waters.

EPA Registration No. 63947-

US Patent No. 4,950,471

EPA Establishment No.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

**APR 29 1994**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
63947-7

NET WEIGHT:

**BEST AVAILABLE**

**DIRECTIONS FOR USE:**

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. NOT FOR HOUSEHOLD USE.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible or pesticide regulation.

**Chemigation:** Do not apply this product through any type of irrigation system.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers and restricted-entry interval. The requirements in this box only apply to the uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is: coveralls, waterproof gloves, shoes plus socks and protective eyewear.

**GENERAL:**

BBT™ is a highly specific biological insecticide for control of caterpillars (larvae) of lepidopterous insects. Shortly after eating a lethal dose of BBT™, the larvae become paralyzed, stop eating and die within 1-3 days. Close observation and attention to insect infestations is strongly recommended. Thorough coverage and correct application timing are needed to achieve maximum results. Larvae must eat BBT™ to be affected and induce mortality.

- \* Treat when larvae are young (early instars) before the crop is extensively damaged.
- \* Larvae must be actively feeding on treated, exposed plant parts.
- \* Thorough coverage is needed to provide a uniform distribution of BBT™ on the plants of larval feeding.
- \* Under heavy pest population pressure, use the higher label rates.
- \* Repeat applications if re-infestation occurs.

**STORAGE & DISPOSAL:**

Do not contaminate feed, food, or water by storage or disposal. **STORAGE:** Tightly reclose containers of unused BBT™ and store in a dry, well-ventilated, cool place. **PRODUCT/CONTAINER DISPOSAL:** Wastes resulting from the use of the product may be disposed of on site or at an approved waste disposal facility. Completely empty bag into application equipment and dispose of empty bag in a sanitary landfill, by incineration, or if allowed by state and local authorities, by burning (if burned, stay out of smoke).

**BEST AVAILABLE**

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### APPLICATION RATES

CROP	PEST ( <i>Scientific Name</i> )	LBS/ACRE
FIELD CORN, SWEET CORN, SEED CORN and POP CORN	European Corn Borer ( <i>Ostrinia nubilalis</i> )	10 lbs/ac broadcast or
	Southwestern Corn Borer ( <i>Diatraea grandiosella</i> )	5 - 10 lbs/ac banded over-row in ground application

**COMMENTS:**

For ground and aerial equipment: First generation worms - apply BBT™ directly over corn whorls when 15% of corn plants show shot hole feeding in SEED CORN, when 25% of plants show shot hole feeding in irrigated and/or SWEET CORN or when 35% of plants show shot hole feeding in dry land FIELD CORN. Second generation worms - apply BBT™ when field counts indicate 50 egg masses/100 plants or when first hatch occurs, whichever comes first. A second application is recommended for heavy populations.\*

Fall Armyworm (*Spodoptera frugiperda*) 10 lbs/ac

**COMMENTS:**

For ground and aerial equipment: apply BBT™ directly over corn whorls when 10% of plants show feeding damage in irrigated and/or SWEET CORN, when 35% of plants show feeding damage in SEED CORN or when 75% of plants show feeding damage in dry land FIELD CORN. A second application may be necessary for heavy populations.\*

TOBACCO Tobacco Budworm (*Heliothis virescens*) 5 - 10 lbs/ac

**COMMENTS:**

For ground application: apply BBT™ manually or with properly calibrated ground equipment.\*

\* In all cases, consult your State Agricultural Extension Service or Experiment Station specialist for specific local recommendations.

**DISCLAIMER:** The labeled directions for the use of this product reflect the opinion of experts, based on field use and tests. 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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use or application of the product contrary to the label directions, all of which are beyond the control of BACTEC CORPORATION. All such risks shall be assumed by the user.

BACTEC CORPORATION warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the purpose stated on this label when used in accordance with the directions under normal conditions of use, subject to the risks referred to above. Any damages arising from a breach of this warranty shall be limited to product replacement and shall not include consequential commercial damages such as loss of profits or values or any other special direct or indirect damages.

BACTEC CORPORATION makes no other express or implied warranty, including any other express or implied warranty of FITNESS or MERCHANTABILITY. The sale of this product does not include a license under any patent controlled by BACTEC CORPORATION.

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