



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

EPA Reg. Number:

Date of Issuance:
MAY 09 1994

62637-8

Term of Issuance:
Conditional

Name of Pesticide Product:
BMP 123 (10G)

NOTICE OF PESTICIDE:
 x Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):
Becker Microbial Products, Inc.
9464 N.W. 11th Street
Plantation, FL 33322

101/5465,256
18

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. Modify the active ingredient percentage to "0.32%" and the inert ingredients percentage to "99.68%" based on your product's potency of 1600 IU/mg.
- b. Replace the statement "Avoid inhalation or contact with eyes." with "Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust."
- c. In the personal protective equipment section, add "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.

CONCURRENCES

SYMBOL	Signature of Approving Official:			Date:	5/6/94
	SURNAME				
DATE	EPA Reg. 9578-6				

2.

- d. Delete the word "specifically." You may claim that your product does not harm specific life stages of specific insects when supporting data is submitted which supports such claims.
- e. Modify the graphics surrounding the agricultural use requirements box so that the statements in the box are located in a clearly separate box on the product labeling with lines or other graphic indicators to separate them from the surrounding text.

3. Submit further details relative to the storage stability study on your product by including observations relative to the formulation's composition over time. Please note changes, if any, in the visual appearance and smell of the product over time.

4. Submit the studies listed below by December 21, 1994.

<u>Guideline Reference Number</u>	<u>Title of Study</u>
154A-16	Avian Oral
154A-19	30 Day Freshwater Fish Toxicity/Pathogenicity Testing
154A-20	Freshwater Aquatic Invertebrate Toxicity/Pathogenicity Testing
154A-24	Honey Bee Toxicity/Pathogenicity Test
154A-13	Analysis of Samples ¹

The Avian Oral and Freshwater Fish study requirements can also be satisfied by submitting data waiver requests which are reviewed and found satisfactory by the Agency on or before 12/21/94.

5. The basic Confidential Statement of Formula dated 11/3/93 which lists Bacillus thuringiensis subspecies kurstaki Strain BMP 123 as the active ingredient is the only formulation currently approved under this registration. Your alternate formulation described in your CSFs dated 11/3/93 and 4/7/94 has been determined not to be similar to your basic formulation. A copy of the Similarity Clinic review is enclosed for your information. Should you wish to submit data and/or rationale to demonstrate that the alternate formula is similar from an acute toxicity aspect to the basic formula, this may be done via a formulation amendment application in the future.

CONCURRENCES

SYMBOL	1See	page 40	of the	Guidance	for the	Reregistration	of	
	Pesticide	Products	Containing	Bacillus thuringiensis	as the	Active	IngredientYou must analyze for lepidopteran active toxin as per.....
SURNAME	Footnote 5.							
DATE								

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6. 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)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

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BMP 123 (10 G)
BIOLOGICAL LARVICIDE GRANULE FORMULATION

ACTIVE INGREDIENT: *Bacillus thuringiensis* subspecies *kurstaki* Strain BMP 123
 1600 International Units (IU) per milligram (Equivalent to 0.728 Billion
 IU per pound)..... 1.60%
 Potency units should not be used to adjust rates beyond those specified in the Directions
 for Use Section.
 INERT INGREDIENTS..... 98.40%
 TOTAL.....100.00%

KEEP OUT OF REACH OF CHILDREN
CAUTION
 Hazards to Humans and Domestic Animals

STATEMENTS OF PRACTICAL TREATMENT

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if
 Irritation persists.
IF INHALED: Remove victim to fresh air.
IF IN EYES: Flush eyes with plenty of water. Get medical attention if
 irritation persists.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Avoid inhalation or contact with eyes. Wash thoroughly with soap and water after handling.

Personal Protective Equipment (PPE): Applicators and other handlers must wear,

- Long sleeved shirt and long pants.
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

User's should wash hands before eating, drinking, chewing gum, using tobacco or using toilet.

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

ACCEPTED
 with COMMENTS
 in EPA Letter Dated

MAY 06 1994

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

62637-8

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DIRECTIONS FOR USE: It is a violation of federal law to apply this product in a manner inconsistent with its labeling. 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 requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance 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) and restricted entry interval. The requirements in this block only apply to 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

BMP 123 (10 G) is a granular formulation of *Bacillus thuringiensis* subspecies *kurstaki* formulated specifically to control certain Lepidopterous larvae.

BMP 123 (10 G) is a microbial larvicide for use against the listed lepidopterous insects. Close scouting and early attention to insect infestations are recommended. The active ingredient in BMP 123 (10 G) must be ingested to be effective.

APPLICATION:

Crop	Pest	Pounds/Acre
Field corn, sweet corn, seed corn, and popcorn.	European corn borer (<i>Ostrinia nubilalis</i>)	10 lbs/acre
	Southwestern Corn Borer (<i>Diatraea grandiosella</i>)	or 5-10 lbs/acre
	First and second generation.	banded over row with ground application.

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Ground or Aerial Application:

First Generation: Apply BMP 123 (10 G) directly to corn whorls when larvae are small. Treat seed corn when 25% of the plants show feeding in the whorls and field corn when 35% of the plants show feeding. Adequate control cannot be achieved if larvae are large or have begun stalk boring and plants show a higher level of infestation.

Second Generation: Apply BMP 123 (10 G) when scouting shows 50 egg masses per 100 plants and the first hatch is occurring or follow your State Extension Service recommendations. A second application may be necessary under conditions of intensive population pressure.

Crop	Pest	Pounds/Acre
Field corn, sweet corn, seed corn, and popcorn.	Fall armyworm (<i>Spodoptera frugiperda</i>)	10lbs / acre

Ground or Aerial Application: Apply BMP 123 (10 G) directly to corn whorls. Treat sweet corn when 10-12% of the plants show whorl feeding. Field corn should be treated when 75% of the plants show whorl feeding damage. Treatment thresholds vary for different types of corn so State Extension specialists should be consulted for specific recommendations. Under high pressure a second may be necessary.

Tobacco	Tobacco budworm (<i>Heliothis virescens</i>)	5-10 lbs / acre
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Ground Application: Apply BMP 123 (10 G) should be applied by hand or in properly calibrated mechanical ground equipment.

STORAGE AND DISPOSAL: Do not contaminate water, food, or feed by storage and disposal.

Storage: Store in a cool, dry place.

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

Container Disposal: Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned stay out of smoke. Do not reuse container.

NOTICE TO USER: Seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than indicated on the label. User assumes all risks of use, storage, or handling not in strict accordance with label instructions.

Becker Microbial Products, Inc.
9464 N.W. 11th Street
Plantation, FL 33322

EPA Registration Number: 62637-8
EPA Establishment Number:

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