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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

APR 6 1994

E. M. Bellet, PhD  
DELTA BIOLOGICAL PRODUCTS, INC.  
Rt 1, P. O. Box 639  
Bastrop, LA 71220

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 02/21/94 in Response to PR Notice 93-7  
EPA Reg. No. 43567-1  
DELTA BT

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

Page 2

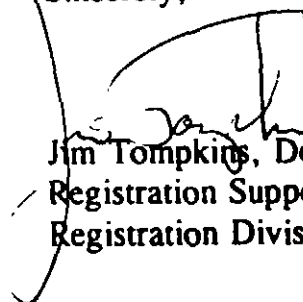
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division

E. M. Bellet, PhD  
DELTA BIOLOGICAL PRODUCTS, INC.  
RT 1 BOX 639  
BASTROP LA 71220

Comment for: EPA Reg Nr.43567-1  
DELTA BT

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

Gloves are not required for applicators and other handlers because the dermal and skin toxicity levels are 4. Please refer to page 17 of the Main Labeling Guidance.

Remove the statement "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." from its current position within the Agricultural Use Box and place it above the Agricultural Use Box.

Correct the typographical errors circled on your proposed label.

**FRONT PANEL**

**DELTA BT  
DELTA BT-BIOLOGICAL INSECTICIDE**

**ACTIVE INGREDIENTS:**

Bacillus thuringiensis, subspecies kurstaki 26.4%

**INERT INGREDIENTS:** 73.6%

**TOTAL** 100.0%

**Keep Out Of Reach Of Children**

**CAUTION**

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Induce vomiting and call a physician.

**IF ON SKIN:** Wash thoroughly with soap and water.

**IF IN EYES:** Hold eyelids open and flush with copious amounts of clean water for 10-15 minutes.

See Side Panel for Additional Precautionary Statements

**SHAKE WELL BEFORE USING**

**MANUFACTURED BY:**

Delta Biological Products, Inc.

6376 Airport Road

Bastrop, LA 71220

EPA Reg. No. 43567-1

EPA Est. No. 43567-LA-01

NET CONTENTS: 1 quart

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
APR 6 1994

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

43567-1

**BEST AVAILABLE COPY**

## **LEFT SIDE PANEL**

### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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

Delta BT may be applied up to the day of harvest.

Delta BT may be applied by aerial equipment or conventional ground equipment with quantities of water necessary to ensure complete, uniform coverage of infested plant foliage. Apply Delta BT in at least 1 to 10 gallons of total spray volume per acre by air and in at least 10 to 20 gallons of total spray volume per acre by ground. Higher spray volumes increase coverage. Ground application on trees should be made with 100 to 400 gallons of spray volume per acre. Add Delta Bt to agitated spray solution. Agitate tank mixes thoroughly and continuously.

Do not mix more Delta BT than can be used in a 12 hour period.

### **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 in 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 box only apply to uses of this product that are covered by the Worker Protection Standard.

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.

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

## **LEFT SIDE PANEL CON'T**

### **PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS:** Avoid inhalation or contact with eyes. Avoid breathing spray mist.

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

#### **Personal Protective Equipment**

**Applicators and other handlers must wear:**

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

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

#### **User Safety Recommendations**

Users should:

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

### **STORAGE AND DISPOSAL**

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

**STORAGE:** Store in a cool place. Do not allow spray solution to stand more than 12 hours before use. Do not use or store near heat and/or open flame.

**PESTICIDE DISPOSAL:** Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent), adding rinsate to spray tank. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not reuse container.

**RIGHT SIDE PANEL**

**GENERAL INFORMATION**

Delta BT is a highly selective, highly concentrated biological insecticide for use against larvae (caterpillars or worms) of lepidopterous insects. Delta BT must be eaten by the targeted larvae to be effective. Once a lethal dose is ingested, Delta BT paralyzes the midgut of the larvae. Usually within 1 hour the larvae stop feeding, thus crop damage is halted. Affected larvae move slowly, discolor, shrivel, darken and die from starvation within several days.

Larvae must be actively feeding on treated, exposed plant parts. Complete coverage of plant foliage where larvae are feeding is essential for effective pest control. A suitable spreader sticker, cleared for use on growing harvested crops, may be added to increase spray coverage, uniform deposition, and adherence. Treat when larvae are young (1st and 2nd instars) before crop is extensively damaged. Monitoring insect infestation by close scouting and early attention to infestation is highly recommended. For heavy infestation and mature worms, use the higher label rates. Re-treat at intervals necessary to maintain control, usually 3-14 days depending on factors such as plant growth rate, rainfall after treatment, and moth activity.

The following pests may be treated with **Delta BT**. Complete coverage of plants and trees is essential for effective control of the following pests.

<b>CROP</b>	<b>PEST</b>	<b>RATE (FL OZ. PER ACRE)</b>
<b>Cotton</b>	Cotton boll worm, tobacco budworm, cabbage looper, armyworm, green cloverworm, homworm, saltmarsh caterpillar, velvetbean caterpillar, soybean looper	2.5 to 4

**NOTE:**

- For heavy infestations and mature worms use up to 4 L. oz. per acre (1 gal. per 32 acres)
- If significant eggs are present tank mix **Delta BT** with an ovicide.\*
- In early season cotton to control moderate to high populations of newly hatched tobacco budworms and cotton bollworms, **Delta BT** can be mixed with a carbamate.\*\*
- In mid-season cotton to control mature worms or heavy populations of tobacco budworms and cotton bollworms, **Delta BT** can be mixed with a pyrethroid.\*\*
- In late season cotton to control mature worms or heavy populations of tobacco budworms and cotton bollworms **Delta BT** can be mixed with an organophosphate.\*\*\*
- All tank mixes shall be in accordance with the more (most) restrictive of label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such tank mixing.

\*Larvin 3.2 (thiodicarb 32.5% a.i., AF) or Lannate LV (methomyl 29% a.i., LV)

\*\*Scout X-Tra (tralomethrin 11% a.i., EC)

\*\*\*Bolstar 6E (sulprofos 64% a/o, EC) or Coracrop 8E (profenofos 73% a.i., E)

**RIGHT SIDE PANEL CON'T**

<b>CROP</b>	<b>PEST</b>	<b>RATE (FL OZ. PER ACRE)</b>
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<b>Soybeans</b>	<b>Cabbage looper, soybean looper, armyworm, green cloverworm, hornworm, saltmarsh caterpillar, velvetbean caterpillar, pod worms (cotton bollworm, tobacco budworm)</b>	<b>2.5 to 4</b>
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**NOTE:**

- For heavy infestations and mature worms use up to 4 fl. oz. per acre (1 gallon per 32 acres).
- To control large populations of large soybean loopers and armyworms in soybeans, Delta BT can be mixed with a carbamate, such as Larvin 3.2 (thiodicarb 32.5% a.i., AF) or Lannate LV (methomyl 29% a.i., LV) in accordance with the more (most) restrictive of label limitations and precautions. No label dosage rate should be exceeded. This product can not be mixed with any product containing a label prohibition against such tank mixing.

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<b>Tobacco, peanuts, safflower, sunflower, sugarbeets, rice</b>	<b>Cotton bollworm, tobacco budworm cabbage looper, armyworm, green cloverworm, hornworm, saltmarsh caterpillar, velvetbean caterpillar, soybean looper</b>	<b>2.5 to 4</b>
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**NOTE:** For heavy infestations and mature worms use up to 4 fl. oz. per acre (1 gal. per 32 acres).

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<b>Vegetables beans, broccoli, brussel sprouts, cabbage, cauliflower, celery, cucumbers, lettuce, mustard greens, melons, potatoes, spinach, tomatoes, turnip greens, beets, carrots, chard, chinese cabbage, cole crops, cucurbits, endives, escarole, eggplant, kale, kohlrabi, lentils, mint, onions, parsley, peas, pepper, turnips, watermelons</b>	<b>Cabbage looper, imported cabbage worm, diamondback moth, corn earworm, green cloverworm, melonworm, rindworm, pickleworm saltmarsh caterpillar, tomato fruitworm, variegated cutworm, webworm</b>	<b>2.5 to 4</b>
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**NOTE:**

- For heavy infestations and mature worms use up to 4 fl. oz. per acre (1 gallon per 32 acres).
- For hand held sprayers used to treat vegetables use: 1/2 fl. oz. or approximately 15 milliliter of Delta BT in a gallon of water.



## RIGHT SIDE PANEL CON'T

CROP	PEST	RATE (FL OZ. PER ACRE)
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Greenhouse flowers, ornamentals, plants, shade trees, forest	Cabbage looper, omnivorous looper, cankerworm, oakworm, oleanderworm spanworm, saddleback caterpillar, tussock moth, armyworm, gypsy moth, spruced budworm, webworm, diamondback moth, hornworm, leafroller, redhumped caterpillar, tent caterpillar	2.5 to 4
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### NOTE:

- For heavy infestations and mature worms use up to 4 fl. oz. per acre (1 gallon per 32 acres).
- For hand held sprayers use: 1.2 fl. oz. or approximately 15 milliliters of **Delta BT** in a gallon of water.

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Rangeland, Pastureland pasture, hay, small grains, forage crops, rangeland, alfalfa, turf	European skipper, rangeland caterpillar, fall armyworm, sod webworm, alfalfa caterpillar, looper	2.5 to 4
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### NOTE:

- For heavy infestations and mature worms use up to 4 fl. oz. per acre (1 gallon per 32 acres).

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Orchards, fruit trees, forest land timber, pecan, walnut, almond, apple, orange, shade trees, spruce, grapes, berries, strawberries, pome, stone fruit, tropical fruits	Fall webworm, redhumped caterpillar, tent caterpillar, leafroller, orangedog, fruittree leafroller, eastern spruce budworm, gypsy moth, bagworm, cankerworm, fruitworm, hornworm, leaffolder, saltmarsh caterpillar, skeletonizer, tufted apple bedmoth, walnut caterpillar	2.5 to 4
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### NOTE:

- For heavy infestations and mature worms use up to 4 fl. oz. per acre (1 gallon per 32 acres).
- For hand held sprayer use: 1.2 fl. oz. or approximately 15 milliliters of **Delta BT** in a gallon of water.
- Trees should be sprayed using high volumes of water to provide uniform coverage.

## WARRANTY

Delta Biological Products, Inc. makes no warranty, expressed or implied, concerning this material except those which are contained on this label.

NOTE: LARVIN 3.2 IS A TRADEMARK OF RHONE POULENC; LANNATE 2.4 IS A TRADEMARK OF DUPONT; SCOUT X-TRA IS A TRADEMARK OF HOECHST; BOLSTAR 6E IS A TRADEMARK OF MILES; CURACRON 8E IS A TRADEMARK OF CIBA-GEIGY.