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

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OFFICE OF PESTICIDES AND TOXIC SUBSTANCES

Novo Nordisk A/S c/o Ms. Janet M. Overholt Novo Nordisk Bioindustrials, Inc. 33 Turner Road Danbury, Ct. 06813

Dear Ms. Overholt:

Foray 48 B Flowable Concentrate Final Printed Labeling Subject: EPA Registration No. 58998-7

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable subject to the following comments.

- Based on your declared potency of 10,600 IU/mg, adjust your declaration of active ingredient to 2.1%.
- Replace kin with skin in the Hazards to Humans and Domestic Animals statements.
- Replace the Environmental Hazard Statements with Do not contaminate water when disposing of equipment washwaters.
- Provide an expiration date based on potency loss in storage.

A stamped copy of the label is enclosed for your records. Submit five (5) copies of final printed labeling.

Sincerely,

Phil Hutton

Product Manager 17

Insecticide-Rodenticide Branch Registration Division (H7505C)

FORAY[™] 48B FLOWABLE CONCENTRATE

KEEP OUT OF REACH OF CHILDREN

CAUTION

ACCEPTED with COMMENTS in EPA Letter Dated:

If in eyes, flush with plenty of water. medical attention if irritation persists.

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ACTIVE INGREDIENT:

58148-7

| Bacillus thuringiensis subsp. kurstaki 10,600 International Units (IU)/mg of product | |
|--|---|
| (equivolent to 48 billion IU/gallon) 2.29 | 6 |
| Inert Ingredients97.89 | 6 |
| Total 100.09 | 6 |

PRECAUTIONARY STATEMENTS:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May cause eye irritation. Avoid contact with kin, eyes, open wounds or clothing. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Aerial and ground application is permissible where tree canopy exists. Do not contaminate water when disposing of equipment washwaters.

BEST AVAILABLE COPY

DIRECTIONS FOR USE:

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

FORAY contains the spores and endotoxin crystals of Bacillus thuringiensis kuntaki. FORAY is a stomach poison and has high specific activity against lepidopterrous larvar. After ingestion, larvae stop feeding within hours and die 2-5 days later. Maximum activity is exhibited against early instar larvae. FORAY 48B Flowable Concentrate may be used for both ground and aerial application. The product should be shaken or stirred before use. Add some water to the tank mix, pour the recommended amount of FORAY 48B into the tank and then add the remaining amount of water to obtain the proper mix ratio. Agitate as necessary to maintain the suspension. The diluted mix should be used within 72 hours.

Ground Application: Use an adequate amount of tank mix to obtain thorough coverage without excessive run off. Use the recommended per acre dosages of **FORAY 48b** in the following amounts of water:

High Volume Hydraulic Sprayers Mist Blowers 100 gallons 10 gallons

Aerial Application: FORAY 48B may be applied aerially, either alone or diluted with water at the dosages shown in the application rates table. Spray volumes of 32-128 ounces per acre are recommended. Best results are expected when FORAY 48B is applied to dry toliage.

RE-ENTRY: FORAY may be applied up to and including the day of harvest.

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

Storage: Store in a cool, dry place. Keep containers tightly closed when not in use. Store in temperatures above freezing and below 32 degrees C (90 degrees F).

Pesticide Disposal: Pesticide waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility in accordance with federal and local regulations.

BEST AVAILABLE COPY

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. It burned, stay out of smoke.

APPLICATION PATES:

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| Crop | Pests | Rate* | Dosage* |
|---------------------------------------|---------------------------------------|------------|--------------|
| | | (pts/acre) | (BIU/Acre) |
| Forests, Shade Trees. | Gypsy moth | 1.3-6 | 8-36 |
| Ornamentals, | Spruce budworm, | | |
| Shrubs, | browntail moth | | |
| Sugar Maple | Douglas fir | | |
| Trees, Seed | tussock moth, | | |
| Orchards, Ornamental Fruit, Nut | coneworm | 1.3-5 | . 8-30 |
| and Citrus | Tussock moths, pine | | |
| Trees | butterfly, bagworm, | | |
| | leafrollers, | | |
| | tortrix, mimosa | | |
| | webworm, tent | | |
| | caterpillar, | | |
| | jackpine budworm, | | |
| | black headed | | |
| | budworm, elm | | |
| | spanworm, saddled | | |
| | prominent | | |
| | saddleback | | |
| | caterpillar and | | |
| | hemlock !ooper | 1-2.7 | 6-16 |
| | · · · · · · · · · · · · · · · · · · · | 7 —— | 5 1.5 |
| | Redhumped caterpillars, | | |
| | spring and | | |
| | fall cankerworm, | | |
| | California oakworm, | | |
| | fall webworm | 0.7-1.3 | 4-8 |
| | | | |

^{*} Use the higher recommended rates on advanced larval stages or under high density larval populations.

| Crop | Pests | Rate* | Dosage* |
|----------------------------|--------------------------------|------------|---------|
| | (pts/acre) | (BIU/Acre) | |
| Cotton (Except AC & AZ) | Loopers | 1.3-2.3 | |
| A0 & A2, | Armyworms | 1.3-4.6 | |
| | Cotton bollworm, Tobacco | | |
| | Budworm | 1.0-4.6** | |

**Special Instruction: For early season management of Heliothis species. Initiate applications when 50% of plants are at pinhead square cotton stage independent of Heliothis egg and larval counts or at first egg lay, whichever occurs earlier. Continue applications on a five day spray interval up to the pyrethroid spray window.

| Cotton (CA & AZ) | Armyworms | 1.3-4.6 |
|------------------|-------------|------------|
| · | Cotton leaf | |
| | perforator, | |
| | Cotton | |
| | leafworm, | |
| | Saltmarsh | |
| | caterpillar | 1.3-2.3 |
| | Loopers | 1.3-2.3 |
| | Cotton | |
| | bollworm, | |
| | Tobacco | |
| | budworm | 1.3-4.6*** |
| | 2001101111 | 1.0-7.0 |

***Special Instructions: Repeat as necessary throughout the season to maintain control. If egg laying frequency indicates future moderate to heavy larval populations, time application spray to coincide with the second instar larvae. During periods of high temperatures, larvae will progress through first to third instars very rapidly and early application timing is necessary for control. When plant cover is dense and larvae are feeding in the lower 2/3 portion of the plant, aerial application may not provide adequate control.

EPA Reg. #58998-7 EPA Est. #58998-DN-001

WARRANTY NOTICE: NOVO NORDISK MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE OR OTHERWISE, EXPRESS OR IMPLIED, concerning this product or its uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label. In no case shall the seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer.

MANUFACTURED FOR:

NOVO NORDISK 33 Turner Road Danbury, CT 06813-1907

| NET CONTENT (U.S. GALLONS) |
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| *************************************** |

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