


Reg # 58998-2

PM-18

1716

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060. Approval expires 11-30-93

(A)  United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration	OPP Identifier Number 197761
	<input checked="" type="checkbox"/> Other	
Application for Pesticide: NOTIFICATION RE: PR NOTICE 93-3		

Section I

1. Company/Product Number 58998-2	2. EPA Product Manager P Hutton	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Biobit Flowable Concentrate	PM# 18	
5. Name and Address of Applicant (Include ZIP Code) Novo Nordisk A/S Novo Alle 2880 Bagsvaerd Denmark <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below _____

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification to Comply with PR Notice 93-3

NOTIFICATION LABEL NOT REVIEWED PER PR NOTICE 93-3
DATE: 7/12/93

Section III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted.		If "Yes," Unit Package wgt. _____ No. per container _____	If "Yes," Package wgt. _____ No. per container _____		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product		
6. Manner In Which Label Is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other (Specify) _____					

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Janet M. Overholt	Title Registration Agent	Telephone No. (Include Area Code) 203-790-2500

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature <i>Janet M. Overholt</i>	3. Title Registration Agent	6. Date Application Received (Stamped)
4. Typed Name Janet M. Overholt	5. Date BEST AVAILABLE COPY 6/30/93	

Biobit® is the Registered Trademark of Novo Nordisk

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

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

**NOTIFICATION
LABEL NOT REVIEWED
PER PR NOTICE 88-8**

DATE 7/12/93

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ACTIVE INGREDIENT

Bacillus thuringiensis Berliner subspecies *kurstaki*,
8,000 International units (IU)/mg of product (equivalent to
32 billion IU/GAL).....1.6%
Inert Ingredients.....98.4%

STORAGE AND DISPOSAL:

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

Storage: Store in a cool, dry place. Keep containers tightly closed when not in use. Store in temperatures above freezing and below 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.

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. If burned, stay out of smoke.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment washwaters.

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

HOME GARDEN USE DISPOSAL INSTRUCTIONS

Securely wrap original container in several layers of newspaper and discard in trash.

DIRECTIONS FOR USE:

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

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

Refer to the Directions For Use Booklet attached to this container for further directions.

NOTICE OF WARRANTY: 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, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer.

Novo Nordisk holds U.S. registrations for the active ingredient. Biobit is manufactured by Novo Nordisk.

EPA Registration No. 58998-2
EPA Es: No. 58998-DN-001

BBFC633193.31

MANUFACTURED FOR:
Novo Nordisk
33 Turner Road
Danbury, Connecticut 06813-1907

NET CONTENTS

U S Gallons

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

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

Re-entry

Do not enter treated area without protective clothing until sprays have dried.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must include the following information:

inform workers of area of fields that must not be entered without appropriate protective clothing until sprays have dried. In case of accidental exposure, wash thoroughly with soap and water. If in eyes, flush with plenty of water. Get medical attention, if eye irritation persists.

When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written warnings must include the following information:

CAUTION: Area treated with Biobit Flowable Concentrate on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, wash thoroughly with soap and water. If in eyes, flush with plenty of water. Get medical attention if eye irritation persists.

APPLICATION

Biobit may be applied by ground or aerial equipment with quantities of water sufficient to provide thorough coverage of plant parts to be protected. The amount of water needed per acre will depend upon crop size, weather, spray equipment, and local experience.

MIXING

Fill spray or mixing tank half full of water. Begin agitation and pour Biobit into water while maintaining continuous agitation. Add other spray material (if any) and balance of water. Agitate as necessary to maintain suspension. Do not allow diluted mixture to remain in the tank for more than 48 hours.

The use of a spreader-sticker is recommended for hard to wet crops such as cold crops or to improve weather-fastness of the spray deposits. Combinations with commonly used spray tank adjuvants are generally not deleterious to Biobit, if the mix is used promptly. Before mixing in the spray tank, it is advisable to test physical compatibility by mixing all components in a small container in proportionate quantities.

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For smaller spray volumes mix the proper number of teaspoons of Biobit from the following chart to attain the desired rates:

<u>If the rate is:</u>	<u>Add this amount per gallon of mix:</u>
1.0 pts./acre	1 teaspoon
2.0 pts./acre	2 teaspoons
3.0 pts./acre	3 teaspoons
3.5 pts./acre	3.5 teaspoons

SPRAY VOLUMES

Aerial Application: Use recommended amount of Biobit in a minimum of 5 gallons of water per acre. Apply early morning or evening when air is calm.

Ground Applications: Use recommended amount of Biobit in a minimum of 20 gallons of water per acre.

Ground applications to trees and vines: Apply specific dosage per acre of Biobit in a minimum of 100 gallons of water per acre for dilute applications. Wet foliage thoroughly with spray but not to the point of excessive runoff. For mist blowers, use recommended amount of Biobit (per acre rate) in a minimum of 20 gallons of water per acre.

GENERAL USE INSTRUCTIONS

Biobit is a highly selective biological insecticide specific for the control of lepidopterous larvae. Biobit must be ingested by the larvae to be effective. For consistent control, apply at first sign of newly hatched larvae (1st and 2nd instar larvae). Susceptible larvae that ingest Biobit cease feeding within a few hours and die within 2-5 days.

Biobit may be applied up to and on the day of harvest.

For maximum effectiveness the following is recommended:

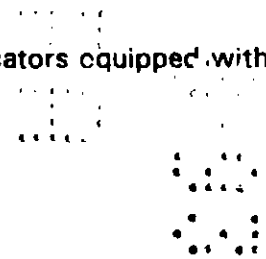
Monitor fields to detect early infestations.

Apply Biobit when eggs start hatching and larvae are small (early instars) and before significant crop damage occurs. Larvae must be actively feeding to be affected.

Repeat applications every 3 to 14 days to maintain control and protect new plant growth. Factors affecting spray interval include rate of plant growth, weather conditions, and reinfestation. Monitor populations of pests and beneficials to determine proper timing of applications.

Under conditions of heavy pest pressures or when large worms are present use the higher rate, shorten the application interval, and/or improve spray coverage to enhance control. When these conditions are present, a contact insecticide should be used to enhance control.

Thorough coverage is essential for optimum performance. Ground applicators equipped with directed drop nozzles can improve coverage.



APPLICATION RATES:

CROP GROUP				
FORAGE, FODDER, HAY				
	Crop	Pests	Rate (pts./acre)	Special Instructions
	Alfalfa (Hay & Seed) and Other Non-grass Animal Feeds, Grasses Grown For Feed (pasture, ranges, hay or silage)	Alfalfa Caterpillar Loopers	1.0-3.5	
		Armyworms	2.0-7.0	*
		European Skipper (Essex Skipper)	2.0-3.5	

CROP GROUP				
FRUITS & NUTS				
	Crop	Pests	Rate (pts./acre)	Special Instructions
	Pome and Stone Fruit Trees such as: Apples, Pears, Quince, Apricots, Cherries, Nectarines, Peaches, Plums, Prunes. Nut Trees such as: Almonds, Filbert, Chestnuts, Walnuts, Pecans.	Redhumped Caterpillar Tent Caterpillars Omnivorous Leafroller Tortrix Moths Cankerworms	2.0-7.0	
		Fruittree Leafroller Gypsy Moth Tufted Apple Budmoth Fall Webworm Variegated Leafroller Redbanded Leafroller Walnut Caterpillar Codling Moth Cutworms Filbert Leafroller Oblique Banded Leafroller		
		Filbert Webworm	2.0-3.5	
		Citrus Cutworm	2.0-4.5	
		Roughskinned Cutworm	1.0-2.0	

	<u>Crop</u>	<u>Pests</u>	<u>Rate (pts./acre)</u>	<u>Special Instructions</u>
	Citrus	Orangedog	1.0-3.5	
		Fruittree Leafroller Citrus Cutworm	2.0-7.0	
		Amorbia	3.5-5.5	** See Below
	Small Fruit and Berries such as: Blackberries, Blueberries, Currants, Raspberries, Strawberries, Cranberries.	Gypsy Moth Blueberry Leafroller Loopers Fruittree Leafroller Grape Berry Moth Oblique Banded Leafroller Achema Sphinx Moth (Hornworm)	2.0-3.5	
		Armyworms	2.0-7.0	*
		Tobacco Budworm	7.0	**See Below
		Grapes	Cherry Fruitworm Green Fruitworm	1.0-2.0
	Grape Leaf folder Grapeleaf Skeletonizer Omnivorous Leafroller Orange Tortrix Saltmarsh Caterpillar		2.0-4.5	

CROP GROUP

OTHER FRUITS

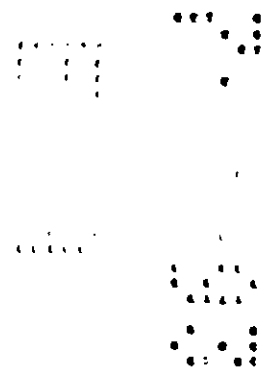
	<u>Crop</u>	<u>Pests</u>	<u>Rate (pts./acre)</u>	<u>Special Instructions</u>
	Bananas	Banana Skipper	2.0-3.5	
	Tropical Fruits	Hornworms Leafrollers Loopers Omnivorous Looper	2.0-7.0	
	Kiwi	Omnivorous Leafroller	2.0-7.0	



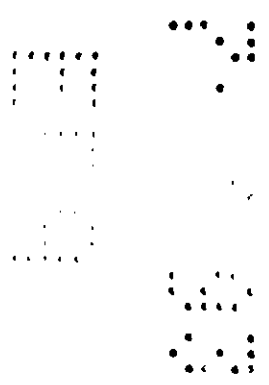
<u>Crop</u>	<u>Pests</u>	<u>Rate (pts./acre)</u>	<u>Special Instructions</u>
Pineapple	<i>Gummosos-Batrachedra commosae</i> (Hodges) <i>Thecla-Thecla basilides</i> (Geyr)	1.0-2.0	
Melons	(See Vegetable Crops, Cucurbits)		

CROP GROUPS
VEGETABLES AND COLE CROPS

<u>Crop</u>	<u>Pests</u>	<u>Rate (pts./acre)</u>	<u>Special Instructions</u>
Root & Tuber Vegetables, and leaves of Root and Tuber vegetables such as: Beets, Carrot, Horseradish, Radish, Potato Sweet Potato, Turnip and Turnip Greens, Sugarbeets.	Imported Cabbageworm Green Cloverworm	1.0-3.5	
	----- Hornworms -----	0.50-3.5	
	----- Cutworms Loopers Webworms Saltmarsh Caterpillar Omnivorous Leafroller -----	2.0-3.5	
	----- Armyworms -----	2.0-7.0	*
	----- Diamondback Moth -----	1.0-3.5	
	----- European Corn Borer -----	3.5-5.5	
	----- Alfalfa Caterpillar	0.50-1.0	



	Crop	Pests	Rate (pts./acre)	Special Instructions
	Bulb Vegetables such as: Garlic, Leeks, Onions, Shallot	Saltmarsh Caterpillar Omnivorous Leafroller Webworms ----- Hornworms ----- Imported Cabbageworm Green Cloverworm Loopers ----- Cutworms ----- Armyworms ----- Diamondback Moth ----- European Corn Borer ----- <i>Heliothis</i> spp.	2.0-3.5 0.50-3.5 1.0-3.5 2.0-3.5 2.0-7.0 1.0-2.0 3.5-5.5 3.5	 * Suppression Only **
	Leafy vegetables such as: Celery, Lettuce (Head and Leaf), Parsley, Endive, Spinach, Kale	Imported Cabbageworm Green Cloverworm ----- Hornworms ----- Cutworms Webworms ----- Loopers Diamondback Moth ----- Saltmarsh Caterpillar Omnivorous Leafroller ----- Armyworms ----- European Corn Borer	1.0-3.5 0.50-3.5 2.0-3.5 1.0-3.5 2.0-3.5 2.0-7.0 3.5-5.5	 *



	Crop	Pests	Rate (pts./acre)	Special Instructions
	Legume and foliage of Legume vegetables, such as: Lentils, Peas, Beans, Soybeans	Loopers ----- Hornworms ----- Podworms Imported Cabbageworm Green Cloverworm Saltmarsh Caterpillar Soybean Loopers Velvetbean Caterpillar ----- Armyworms ----- Diamondback Moth ----- European Corn Borer ----- Cutworms	1.0-3.5 ----- 0.50-2.0 ----- 2.0-3.5 ----- ----- ----- 2.0-7.0 ----- 1.0-3.5 ----- 3.5-5.5 ----- 2.0-5.5	----- ----- ----- ----- ----- * ----- ----- ----- ----- -----
	Fruiting Vegetables such as: Eggplant, Peppers, Tomatoes.	Imported Cabbageworm Diamondback Moth Green Cloverworm ----- Hornworms ----- Tomato Fruitworm (Heliothis) Variegated Cutworm Saltmarsh Caterpillar Loopers ----- Armyworms ----- European Corn Borer	1.0-2.0 ----- 0.50-3.5 ----- 2.0-3.5 ----- ----- ----- 2.0-7.0 ----- 3.5-5.5	----- ----- ----- ----- ----- * ----- ----- ----- ----- -----
	Brassica (cole) vegetables such as: Broccoli, Brussels sprouts, Cabbage, Cauliflower, Collards, Kohlrabi.	Hornworms ----- Webworms Loopers Cutworms Saltmarsh Caterpillar Omnivorous leafroller ----- Diamondback Moth Imported Cabbageworm Green Cloverworm ----- Armyworms ----- European Corn Borer	0.50-3.5 ----- 2.0-3.5 ----- ----- ----- 1.0-3.5 ----- ----- ----- 2.0-7.0 ----- 3.5-5.5	----- ----- ----- ----- ----- * ----- ----- ----- ----- -----

Crop	Pests	Rate (pts./acre)	Special Instructions
Cucurbit vegetables such as: Cucumbers, Melons, Pumpkins, Squash, Watermelon.	Imported Cabbageworm	1.0-3.5	
	Green Cloverworm		
	Diamondback Moth		
	Loopers		
	Saltmarsh Caterpillar		
	Melonworm		
	Pickleworm		
	Rindworm complex		
	-----	-----	-----
	Armyworms	2.0-7.0	*
	-----	-----	-----
	European Corn Borer	3.5-5.5	
	-----	-----	-----
	Hornworms	0.50-2.0	

OTHER VEGETABLES

Crop	Pests	Rate (pts./acre)	Special Instructions
Artichokes	Artichoke Plume Moth	2.0-4.5	
	-----	-----	-----
	Armyworms	2.0-5.5	*
	-----	-----	-----
	Loopers	1.0-4.5	
Asparagus	Armyworms	2.0-7.0	*
	-----	-----	-----
	Diamondback Moth	1.0-2.0	
	Green Cloverworm		
	Imported Cabbageworm		
	-----	-----	-----
	Loopers	1.0-3.5	
Malanga	Armyworms	2.0-7.0	*
	-----	-----	-----
	Saltmarsh Caterpillar	2.0-3.5	
Watercress	Loopers	1.0-3.5	
	Diamondback Moth		
	-----	-----	-----
	Armyworms	2.0-7.0	*
	-----	-----	-----
	Green Cloverworm	1.0-2.0	
	Imported Cabbageworm		
	-----	-----	-----
	Saltmarsh Caterpillar	2.0-3.5	
	-----	-----	-----
	European Corn Borer	3.5-4.5	
Sweet Corn	(see Other Crops, Corn)		

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CROP GROUP

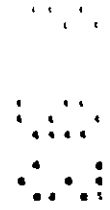
HERBS, SPICES, MINTS

<u>Crop</u>	<u>Pests</u>	<u>Rate (pts./acre)</u>	<u>Special Instructions</u>
Such as: Basil, Dill, Oregano, Thyme, Peppermint.	Loopers	1.0-3.5	
	-----	-----	
	Diamondback Moth Green Cloverworm Imported Cabbageworm	1.0-2.0	
	-----	-----	
	Armyworms	2.0-7.0	*
-----	-----	-----	-----
	European Corn Borer	3.5-5.5	

CROP GROUP

OTHER CROPS

<u>Crop</u>	<u>Pests</u>	<u>Rate (pts./acre)</u>	<u>Special Instructions</u>
Avocadoes	Loopers	3.5-4.5	
	-----	-----	
	Orange Tortrix Omnivorous Leafroller Omnivorous Looper Spanworm	2.0-7.0	
	-----	-----	
	Amorbia	2.0-7.0	Suppression Only **
Rice	Armyworms	2.0-5.5	*
	-----	-----	
	Loopers Saltmarsh Caterpillar	2.0-3.5	
	-----	-----	
	Cutworms	2.0-5.5	
	-----	-----	
	Green Cloverworm Velvetbean Caterpillar	1.0-2.0	
	-----	-----	
	<i>Heliothis</i> spp.	3.5	Suppression Only **



Crop	Pests	Rate (pts./acre)	Special Instructions
Cotton (Except CA & AZ)	Loopers	2.0-3.5	
	Armyworms	2.0-7.0	*
	Cotton Bollworm Tobacco Budworm	1.0-7.0	See Below
	<p><u>Special Instructions:</u> For early season management of <i>Heliothis</i> species. Initiate applications when 50% of plants are at pinhead square cotton stage independent of <i>Heliothis</i> 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.</p>		
Cotton (CA & AZ)	Armyworms	2.0-7.0	*
	Cotton Leaf Perforator Cotton Leafworm Saltmarsh Caterpillar	2.0-3.5	
	Loopers	2.0-3.5	
	Cotton Bollworm Tobacco Budworm	2.0-7.0	See Below
	<p><u>Special Instructions:</u> 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 of Biobit may not provide adequate control.</p>		
Canola/Rape Seed	Armyworms	2.0-7.0	*
	Diamondback Moth	1.0-2.0	
	Loopers	2.0-3.5	•••••
	<i>Heliothis</i> spp.	2.0-7.0	•••••
Corn Such as: Field, Sweet, Popcorn.	Armyworms	2.0-7.0	••••• *
	European Corn Borer (Whorl Stage Only)	2.0-5.5	•••••
	Southwestern Corn Borer	3.5-5.5	••••• Aids in Control

	Crop	Pests	Rate (pts./acre)	Special Instructions
	Hops	Armyworms ----- Loopers ----- Omnivorous Leaf-tier Spotted Cutworm Oblique Banded Leafroller	2.0-7.0 ----- 1.0-3.5 ----- 2.0-3.5	* -----
	Jojoba	Looper (<i>Anacamptodes</i> spp.)	2.0-3.5	
	Peanuts	Green Cloverworm Loopers Velvetbean Caterpillar Podworms ----- <i>Heliothis</i> spp.	2.0-3.5 ----- 3.5	----- Suppression Only **
	Persimmons, Pomegranate	Fall Webworm Filbert Webworm Omnivorous Leafroller Redhumped Caterpillar Tent Caterpillars ----- Citrus Cutworm	2.0-3.5 ----- 2.0-4.5	
	Safflower	Armyworms ----- Loopers Saltmarsh Caterpillar	2.0-7.0 ----- 2.0-3.5	* -----
	Sorghum	Headworm	2.0-3.5	
	Soybeans	(see Vegetable Crops, Legumes)		
	Sunflowers	Headmoth Loopers	2.0-3.5	
	Small Grains	Armyworms ----- Loopers	2.0-7.0 ----- 2.0-3.5	----- -----
	Tobacco	Tobacco Hornworm ----- Loopers ----- Tobacco Budworm	0.50-2.0 ----- 1.0-3.5 ----- 3.5	----- ----- ----- ----- Suppression Only **

14916

CROP GROUP
**FLOWERS BEDDING PLANTS,
 AND ORNAMENTALS**

	<u>Crop</u>	<u>Pests</u>	<u>Rate (pts./acre)</u>	<u>Special Instructions</u>
	Ornamentals Flowers, Bedding Plants	Armyworms	2.0-7.0	*
		Azalea Moth Diamondback Moth Ello Moth (Hornworm) Io Moth Loopers Oleander Moth Omnivorous Leafroller Omnivorous Looper Tobacco Budworm	1.0-2.0	

CROP GROUP
**GREENHOUSE,
 AND OUTDOOR NURSERY CROPS**

	<u>Crop</u>	<u>Pests</u>	<u>Rate (pts./acre)</u>	<u>Special Instructions</u>
	Such as: Flowers, Brassica, Fruiting Groups, Herbs, and Leafy	Armyworms <i>Heliothis</i> spp.	2.0-7.0	*
		Loopers	2.0-3.5	

CROP GROUP
TURF

	<u>Crop</u>	<u>Pests</u>	<u>Rate (pts./acre)</u>	<u>Special Instructions</u>
	Turf	Sod Webworm	3.5-7.0	
		Tropical Sod Webworm	3.5	
		Armyworms	3.5	*

CROP GROUP				
	Crop	Pests	Rate (pts./acre)	Special Instructions
	Home Garden Use	Biobit may be used for any labeled pest and crop using the rates, mixing, and general use instructions specified rates on this label.		

CROP GROUP				
Forests, Shade Trees, Ornamentals, Shrubs, Sugar Maple Trees				
	Crop	Pests	Rate (pts./acre)	Special Instructions
	Forests, Shade Trees, Ornamentals, Shrubs, Sugar Maple Trees	Gypsy Moth Spruce Budworm Browntail Moth	2.0-4.5	
		Tussock Moths Pine Butterfly Bagworm Leafrollers Tortrix Moths Mimosa Webworm Tent Caterpillars Jackpine Budworm Blackheaded Budworm Elm Spanworm Saddled Prominent Saddleback Caterpillars	1.5-3.5	
		Redhumped Caterpillar Spring Cankerworm Fall Cankerworm California Oakworm Fall Webworm	1.0-2.0	

Special Instructions

- * Armyworm Control: Biobit may be used to control small armyworms (first and second instar) when populations are light and full coverage sprays are applied. Repeat treatment as necessary. If mature larvae or heavy populations are present, a contact insecticide should be added to enhance control.
- ** Suppression Only: Use to aid in control of light to moderate populations of first and second instars in Integrated Pest Management conditions. Repeat treatments at four to five day intervals. The use of additional ovicidal or larvicidal insecticide will aid in control.

16 of 16

Novo Nordisk



**Novo Nordisk
Bioindustrials, Inc.**

33 Turner Road
P.O. Box 1907
Danbury, CT 06813-1907

Tel. 203-790-2600
FAX 203-790-2748

July 1, 1993

Mr. Phil Hutton
Product Manager (18)
Insecticide Rodenticide Branch
Registration Division (H7505C)
Office of Pesticide Programs
U.S. Environmental Protection Agency
401 M Street S.W.
Washington, D.C. 20460

RE: Response to PR Notice 93-3
Notification, Biobit® Flowable Concentrate, EPA Registration
No 58998-2

Dear Mr. Hutton:

This Notification is submitted to comply with PR Notice 93-3. No
other changes have been made to this label.

Sincerely,

Janet M. Overholt
Regional Manager
Regulatory Affairs
Plant Protection Division

Enc: EPA Form 8570-1
1 label

BEST AVAILABLE COPY


Reg # 58998-2

PM-18

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 11-30-93

(A)  EPA NOTIFICATION RE: PR NOTICE 93-3	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC, 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number 197758
	Application for Pesticide		

Section I

1. Company/Product Number 58998-2	2. EPA Product Manager P. Hutton	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Biocot Flowable Concentrate	PMA markings are not to be used on this label	
5. Name and Address of Applicant (Include ZIP Code) Novo Nordisk A/S Novo Alle 2880 Bagsvaerd Denmark <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i); my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
 Notification to comply with PR Notice 93-3.
 This product is a split label and alternative name for Biobit Flowable Concentrate
 EPA No. 58998-2.

NOTIFICATION LABEL NOT REVIEWED PER PR NOTICE 93-3

Section III

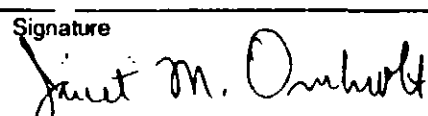
DATE: 7/17/93

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted.		If "Yes," Unit Package wgt	No. per container	If "Yes," Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner In Which Label's Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other (Specify) _____					

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)

Name Janet M. Overholt	Title Registration Agent	Telephone No. (Include Area Code) 203-790-2600
----------------------------------	------------------------------------	--

Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registration agent	
4. Typed Name Janet M. Overholt	5. Date 6/30/93	

BEST AVAILABLE COPY



**KEEP OUT OF REACH OF CHILDREN
CAUTION
STATEMENT OF PRACTICAL TREATMENT**

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

NOTIFIED...
LABEL NOT REVIEWED
PER PR NOTICE 88-8

DATE 7/12/93

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ACTIVE INGREDIENT:

Bacillus thuringiensis Berliner subspecies *kurstaki*, 8,000 International Units (IU)/mg of product (equivalent to 32 billion IU/GAL.)..... 1.6%
INERT INGREDIENTS..... 98.4%

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS: May cause eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

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

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product through any type of irrigation system.

RE-ENTRY: Do not enter treated area without protective clothing until sprays have dried.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must include the following information:

Inform workers of area of fields that must not be entered without appropriate protective clothing until sprays have dried. In case of accidental exposure, wash thoroughly with soap and water. If in eyes, flush with plenty of water. Get medical attention if eye irritation persists.

When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written warnings must include the following information:

CAUTION: Area treated with BIOCOT Flowable Concentrate on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, wash thoroughly with soap and water. If in eyes, flush with plenty of water. Get medical attention if eye irritation persists.

GENERAL USE INSTRUCTIONS: BIOCOT is a highly selective biological insecticide specific for the control of lepidopterous larvae. BIOCOT must be ingested by the larvae to be effective. For consistent control, apply at first sign of newly hatched larvae (1st and 2nd instar larvae). Susceptible larvae that ingest BIOCOT cease feeding within a few hours and die within 2-5 days. BIOCOT may be applied up to and on the day of harvest. For maximum effectiveness the following is recommended: Monitor fields to detect early infestations. Apply BIOCOT when eggs start hatching and larvae are small (early instars) and before significant crop damage occurs. Larvae must be actively feeding to be affected. Repeat applications every 3 to 14 days to maintain control and protect new plant growth. Factors affecting spray interval include rate of plant growth, weather conditions, and re-infestation. Monitor populations of pests and beneficials to determine proper timing of applications. Under conditions of heavy pest pressures or when large worms are present use the higher rate, shorten the application interval, and/or improve spray coverage to enhance control. When these conditions are present a contact insecticide should be used to enhance control. Thorough coverage is essential for optimum performance. Ground applicators equipped with directed drop nozzles can improve coverage.

APPLICATION: BIOCOT may be applied by ground or aerial equipment with quantities of water sufficient to provide thorough coverage of plant parts to be protected. The amount of water needed per acre will depend upon crop size, weather, spray equipment, and local experience.

MIXING: Fill spray or mixing tank half full of water. Begin agitation and pour BIOCOT into water while maintaining continuous agitation. Add other spray material (if any) and balance of water. Agitate as necessary to maintain suspension. Do not allow diluted mixture to remain in the tank for more than 48 hours.

The use of a spreader-sticker is recommended for hard to wet crops or to improve weather-fastness of the spray deposits. Combinations with commonly used spray tank adjuvants are generally not deleterious to BIOCOT if the mix is used promptly. Before mixing in the spray tank, it is advisable to test physical compatibility by mixing all components in a small container in proportionate quantities.

SPRAY VOLUMES:

Aerial Application: Use recommended amount of BIOCOT in a minimum of 5 gallons of water per acre. Apply early morning or evening when air is calm.

Ground Application: Use recommended amount of BIOCOT in a minimum of 20 gallons of water per acre.

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

Storage: Store in a cool place. Keep containers tightly closed when not in use. Store in temperatures above freezing and below 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.

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. If burned, stay out of smoke.

Crop	Pests	Rate (pts/acre)	Special Instructions
Cotton	Loopers	2.0-3.5	
	Armyworms	2.0-7.0	1)
	Cotton Bollworm Tobacco Budworm	1.0-7.0	2)

1) BIOCOT may be used to control small armyworms (first and second instar) when populations are light and full coverage sprays are applied. Repeat treatment as necessary. If mature larvae or heavy populations are present, a contact insecticide should be used to enhance control.

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

NOTICE OF WARRANTY: 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, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. Novo Nordisk holds U.S. registrations for the active ingredient. BIOCOT is manufactured by Novo Nordisk.

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EPA Registration No. 58998-2
EPA Est. No. 58998-DN-002

BCTX693(93-3)

MANUFACTURED FOR:
Novo Nordisk
33 Turner Road
Danbury, Connecticut 06813-1907

NET CONTENT
(U.S. GALLONS)



July 1, 1993



**Novo Nordisk
Bioindustrials, Inc.**

33 Turner Road
P.O. Box 1907
Danbury, CT 06813-1907

Tel. 203-790-2600
FAX 203-790-2748

Mr. Phil Hutton
Product Manager (18)
Insecticide Rodenticide Branch
Registration Division (H7505C)
Office of Pesticide Programs
U.S. Environmental Protection Agency
401 M Street S.W.
Washington, D.C. 20460

RE. Response to PR Notice 93-3
Notification, Biocot™ Flowable Concentrate, EPA Registration
No. 58998-2

Dear Mr. Hutton:

This Notification is submitted to comply with PR Notice 93-3. No
other changes have been made to this label.

Sincerely,

Janet M. Overholt
Regional Manager
Regulatory Affairs
Plant Protection Division

Enc: EPA Form 8570-1
1 label

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