Please read instructions	on reverse before comple	ting form.		Form Apr	proved	. OMB No. 2	070-0060	Approval e	xpires 2-28-95
	U	Inited States				Registra	tion	OPP Identifi	ier Number
<b>ŞEPA</b>	Environmental	Protection	n Agency	/		Amenda		22	0000
		ngton, DC 204		•	X	Other		23	9623
	NOTIFIC				<u> </u>			<u> </u>	·—————————————————————————————————————
	<del></del>	Application		ticide - Sec	'	1	1		·····
1. Company/Product Nu			i i	EPA Product Mon	ager		3. Pro	posed Classi	ification
	58998-2			J Anderson			[X_	None	Restricted
4. Company/Product (Na Biocot Flowa	ame) ble Concentrate		PM	18			L		
5. Name and Address o	f Applicant (Include ZiP Co	ode)	6.	Expedited Rev	/iew.	In accorda	nce with	FIFRA Sect	ion 3(c)(3)
Novo Nordisk	A/S		1	(i), my product i					
Novo Alle			to:					•	
2800 Bagsvaer	d		EI	PA Reg. No					
Check is	if this is a new address		i	roduct Name_					
		<u>-</u>	Section						
			00000						<del></del>
Amendment - Ex	kplain below.			Final printe		ls in response	to		
Resubmission in	response to Agency letter	r dated		"Me Too"					
X Notification - Ex	plain below.			Other - Exp	olain b	elow.			
Evolunation: Use of	lditional page(s) if necessar	n/ /For costin	n I and Coation	- 11 N					
Notification	to revise REI to	o 4hrs as	allowed	by Policy S	State	ement on	Worker	Protect	ion
Standard; Red	luced Restricted	Entry Int	ervals fo	r Certain F	est:	icides, I	Effecti	ve May 3	, 1995
	under PR Notice								
			Section	1 - III					
1. Material This Produc	t Will Be Packaged In:								
Child-Resistant Packagi	ing Unit Packaging		Water Solu	ıble Packaging		2. Type of	Container		
☐ Yes •	Yes		Yes			1	Metal		
No	l		No.				Plastic		
							Glass Paper		
* Certification mus	st If "Yes" Unit Packaging wgt	No. per L. container	If "Yes" Package w	No. per /gt containe			Other (	Specify)	
be submitted		ı		ŀ			_		
3. Location of Net Cont	tents Information	4. Size(s) Re	tail Container		5. L	ocation of Lal		ons	· · · · · · · · · · · · · · · · · · ·
Label	Container	İ			1	On Labe		npanying pro	duct
	bel is Affixed to Product	Lithor	at an h	Othe	1				
O. Manner III Which Lai	Del IS ATTIXED to Product	Paper	graph glued :iled		o,				-
		Stend	Section	1 - IV	<del></del>				
1. Contact Point (Com	nplete items directly below	for identificati		<del></del>	l, if ne	cessary, to p	ocess this	s application.	)
Name			T	ional Manag		<u> </u>			le Area Code)
i	nchez Lopez, Ph.D	).	1	ulatory Aff		3		-757-473	
		Certific	ation					6. Vald Ap	
I certify that the	statements I have made o	n this form and	d all attachme	nts thereto are tru	ue, ac	curate and co	mplete.	· Rettived	
_	hat any knowingly false or	misleading sta	tement may b	e punishable by fi	ine or	imprisonmen	or	(Sta	mpęd)
both under applic	Caule law.							4	ε <b>t 4</b> ε <b>Ψ</b>
2. Signature	~ 10 1	,	3. Title R	egional Man	iagei				
Cairen	M/Johe/		R	egulatory A	Af fai	irs			
	it of							-	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
4. Typed Name	U		5. Date	155	۔۔۔				# <b>.</b> . , .
Carmen M. Sa	nchez Lopez, Ph.I	D.	Les Les	f. 12, 188.	>				
<u>}</u>	• •		1 <i>Y' 1</i> 7	• • •				1	

## KEEP OUT OF REACH OF CHILDREN CAUTION



ACTIVE INGREDIENT: Bacillus thuringiensis Berliner subspecies kurstaki, 8,000 International Units (IU)/mg of product (equivalent INERT INGREDIENTS......98.4%

PRECAUTIONARY STATEMENTS:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: Avoid contact with skin, eyes, or clothing.

**USER SAFETY RECOMMENDATIONS:** 

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT: Applicators and other handlers must wear: Long-sleeved shirt and long pants, waterproof gloves, shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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.

STATEMENTS OF PRACTICAL TREATMENT:

If on Skin: Wash with plenty of soap and water. Get medical attention

If in Eyes: Flush with plenty of water. Call a physician if eye irritation persists.

**DIRECTIONS FOR USE FOR AGRICULTURAL APPLICATIONS:** 

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.

## 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) 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 Phours.

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.

#### 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.

GENERAL USE INSTRUCTIONS: BIOCOT is a biological insecticide 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 Factors affecting spray interval protect new plant growth. include rate of plant growth, weather conditions, and re-Monitor populations of pests and beneficials to infestation. 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. This product can be mixed and used with other pesticides only in accordance with the most restrictive of label limitations and precautions. This product cannot be mixed with any product containing a label prohibition against such mixing. No label dosage rates may be exceeded.

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. agitation and pour BIOCOT into water while maintaining continuous agitation. Add other spray material (if any) and balance of water. Agitate as necessary to main suspension. Do not allow diluted mixture to remain in the tank for more than 48 hours.

The use of a spreader-sticker approved for use on growing crops is recommended for hard to wet crops or to improve weatherfastness 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

BEST COPY AVAI

NET CONTENT

(U.S. GALLONS)

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

BCFC895

MANUFACTURED FOR: Novo Nordisk

33 Turner Road, Danbury, Connecticut 06813-1907

#### SHUM ACCOMES:

Ground Application: Use recommended amount of BIOCOT in ground 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 conditions, spray equipment used and local experience.

Aerial Application: Use recommended amount of BIOCOT in aerial equipment undiluted or with quantities of water sufficient to provide thorough coverage of plant parts to be protected. In the western U.S. 5-10 gallons per acre is the normal minimum; in the eastern regions a minimum of 2-3 gallons is normally used. The minimum amount of water needed per acre will depend upon crop size, weather conditions, spray equipment used and local experience.

Crop	Pests	Rate (pts/acre)	Special Instruction
Cotton	Loopers	2.0-3.5	
	Armyworms	2.0-7.0	1)
	Cotton Bollworm Tobacco Budworm	1.0-7.0	2)
Soybeans	Loopers	1.0-3.5	
	Podworms Green Cloverworm Saltmarsh Caterpillar Soybean Loopers Velvetbean Caterpillar	2.0-3.5	
	Armyworms	2.0-7.0	1)
	Cutworms	2.0-5.5	
Peanuts	Loopers Green Cloverworm Velvetbean Caterpillar Podworms	2.0-3.5	
	Heliothis spp.	3.5	3)

#### SPECIAL INSTRUCTIONS

This product can be mixed and used with other pesticides only in accordance with the most restrictive of label limitations and precautions. This product cannot be mixed with any product containing a label prohibition against such mixing. No label dosage rates may be exceeded.

- 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/Helicoverpa species, initiate applications at pinhead square stage when eggs are present. For best results, application should be timed to coincide with egg hatch. Continue applications on 5 day intervals. Addition of an ovicide may be beneficial. Preservation of beneficial insects should be considered in selecting an ovicide. Applications of Biocot may continue throughout the season. As the larval population increases through the season, increase rates of Biocot, and tank mix with other larvicides for increased control. When the crop canopy is dense and larvae are feeding in the lower canopy, aerial application of Biocot may not provide adequate deposit for acceptable control.
- 3) 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 insecticides will aid in control.

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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Please read instructions on reverse before completing form Form Approved. OMB No. 2070-0060. Approval expires 2-28-95 **OPP Identifier Number** Registration United States **Environmental Protection Agency Amendment** 239630 Washington, DC 20460 NOTIFICATION Other Application for Pesticide - Section I 1. Company/Product Number 2. EPA Product Manager 3. Proposed Classification 58998-2 J. Anderson None Restricted 4. Company/Product (Name)
Biobit Flowable Concentrate PM# 18 5. Name and Address of Applicant (Include ZIP Code) 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling Novo Nordisk A/S Novo Alle 2800 Bagsvaerd EPA Reg. No. Check if this is a new address Product Name Section - II Amendment - Explain below. Final printed labels in response to Agency letter dated Resubmission in response to Agency letter dated \_\_\_\_ "Me Too" Application. Notification - Explain below. Other - Explain below. Explanation: Use additional page(s) if necessary. (For section I and Section II.) Notification to revise REI to 4hrs as allowed by Policy Statement on Worker Protection Standard; Reduced Restricted Entry Intervals for Certain Pesticides, Effective May 3, 1995. Notification under PR Notice 95-3 Section - III 1. Material This Product Will Be Packaged In: Child-Resistant Packaging Unit Packaging 2. Type of Container Water Soluble Packaging Metal Yes\* Yes Yes Plastic No Glass Paper If "Yes" No. per \* Certification must Unit Packaging wgt. Package wat Other (Specify) be submitted 3. Location of Net Contents Information 4. Size(s) Retail Container 5. Location of Label Directions On Label ledaJ Container On Labeling accompanying product 6. Manner in Which Label is Affixed to Product Lithograph Paper glued Stenciled Section - IV 1. Contact Point. (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) Telephone No. (Include Area Code) Regional Manager, Regulatory 916-757-4738 Carmen M. Sanchez Lopez, Ph.D. 6. Date Application Certification Received 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 Regional Manager, Regulatory Affairs

5. Date

kat-12, 1995

Carmen M. Sanchez Lopez, Ph.D.

4. Typed Name

# KEEP OUT OF REACH OF CHILDREN CAUTION



#### **ACTIVE INGREDIENT**

#### PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS Avoid contact with skin, eyes, or clothing.

#### USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

#### PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: Long-sleeved shirt and long pants, waterproof gloves, shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### 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.

#### STATEMENTS OF PRACTICAL TREATMENT

If on Skin: Wash with plenty of soap and water. Get medical attention.

If in Eyes: Flush Ath plenty of water. Call a physician if eye irritation persists.

## DIRECTIONS FOR USE FOR AGRICULTURAL APPLICATIONS:

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.

Directions For Use, Cont.

Agricultural Use Requirements: Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions For Use section for information about this standard.

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

#### 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°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.

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 Est. No. 58998-DN 002

EPA Est. No.

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.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### 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) 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 4 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.

#### **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 approved for use on growing crops is recommended for hard to wet crops such as cole 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 companior in proportionate quantities.

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#### **SPRAY VOLUMES**

Ground Application: Use recommended amount of Biobit in ground 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 conditions, spray equipment used and local experience.

Aerial Application: Use recommended amount of Biobit in aerial equipment undiluted or with quantities of water sufficient to provide thorough coverage of plant parts to be protected. In the western U.S. 5-10 gallons per acre is the normal minimum; in the eastern regions a minimum of 2-3 gallons is normally used. The minimum amount of water needed per acre will depend upon crop size, weather conditions, spray equipment used and local experience.

## **GENERAL USE INSTRUCTIONS**

Biobit is a biological insecticide 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. This product can be mixed and used with other pesticides ordy in accordance with the most restrictive of label limitations and precautions. This product cannot be mixed with any product containing a label prohibition against such mixing. No label dosage rates may be exceeded.

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

## APPLICATION RATES:

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

## CROP GROUP

CROP GROUP

## FRUITS & NUTS

<u>Crop</u>	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.	Citrus Cutworm Navel Orangeworm Redhumped Caterpillar Tent Caterpillars Omnivorous Leafroller Tortrix Moths Cankerworms Peach Twig Borer Fruittree Leafroller Gypsy Moth Tufted Apple Budmoth Fall Webworm Variegated Leafroller Redbanded Leafroller Walnut Caterpillar Codling Moth Cutworms Filbert Leafroller Oblique Banded Leafroller	2.0-7.0	
	Filbert Webworm	2.0-3.5	<u></u>
	Roughskinned Cutworm	1.0-2.0	

Crop		Pests	Rate (pts./acre)	Special Instructions
Citrus		Orangedog	1.0-3.5	
		Fruittree Leafroller Citrus Cutworm	2.0-7.0	
		Amorbia	3.5-5.5	** See Below
Bluebe: Curran Raspbe:	rries s: erries, rries, ts,	Gypsy Moth Blueberry Leafroller Loopers Fruittree Leafroller Grape Berry Moth Oblique Banded Leafroller Achema Sphinx Moth (Hornworm)	2.0-3.5	·
Cranbe		Armyworms	2.0-7.0	*
		Tobacco Budworm	7.0	**See Below
Grapes		Cherry Fruitworm Green Fruitworm	1.0-2.0	
		Grape Leaffolder Grapeleaf Skeletonizer Omnivorous Leafroller Orange Tortrix Saltmarsh Caterpillar	2 0-4.5	

## CROP GROUP

## OTHER FRUITS

Crop	Pests	Rate (pts./acre)	Special Instructions
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	

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

CROP	GROUPS	3
VEGET COLE	CROPS	AND

Crop	Pests	Rate (pts./acre)	Special <u>Instructions</u>
Root & Tuber Vegetables, and leaves of Root and Tuber wegetables	Imported Cabbageworm Green Cloverworm	1.0-3.5	
such as:  Beets, Carrot,  Horseradish,	Hornworms	0.50-3.5	
Radish, Potato Sweet Potato, Turnip and	Loopers Webworms	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:	Saltmarsh Caterpillar Omnivorous Leafroller Webworms	2.0-3.5	
Garlic, Leeks, Onions, Shallot		0.50-3.5	
	Imported Cabbageworm Green Cloverworm Loopers	1.0-3.5	
	Cutworms	2.0-3.5	
	Armyworms	2.0-7.0	*
	Diamondback Moth	1.0-2.0	
	European Corn Borer	3.5-5.5	
	Heliothis spp.	3.5	Suppression Only **
Leafy vegetables such as:	Imported Cabbageworm Green Cloverworm	1.0-3.5	
Celery,	Hornworms	0.50-3.5	
Lettuce (Head and Leaf), Parsley, Endive,	Cutworms Webworms	2.0-3.5	
Spinach, Kale	Loopers Diamondback Moth	1.0-3.5	
	Saltmarsh Caterpillar Omnivorous Leafroller	2.0-3.5	
	Armyworms	2.0-7.0	*
	European Corn Borer	3.5-5.5	

	Crop	Pests	Rate (pts./acre)	Special Instructions
	Legume and foliage of Legume	Loopers	1.0-3.5	
ļ ţ	vegetables,	Hornworms	0.50-2.0	_
	such as: Lentils, Peas, Beans	Podworms Imported Cabbageworm Green Cloverworm Saltmarsh Caterpillar Soybean Loopers Velvetbean Caterpillar	2.0-3.5	
		Armyworms	2.0-7.0	*
		Diamondback Moth	1.0-3.5	
		European Corn Borer	3.5-5.5	
		Cutworms	2.0-5.5	
	Fruiting Vegetables such as:	Imported Cabbageworm Diamondback Moth Green Cloverworm	1.0-2.0	
	Eggplant, Feppers,	Hornworms	0.50-3.5	
	Tomatoes.	Tomato Fruitworm(Heliothis) Variegated Cutworm Saltmarsh Caterpillar Loopers	2.0-3.5	
		Armyworms	2.0-7.0	*
		European Corn Borer	3.5-5.5	
	Brassica	Hornworms	0.50-3.5	
	(cole) vegetables such as: Broccoli, Brussels sprouts,	Webworms Loopers Cutworms Saltmarsh Caterpillar Omnivorous leafroller	2.0-3.5	
	Cabhage, Cauliflower, Collards, Kohlrabi.	Diamondback Moth Imported Cabbageworm Green Cloverworm	1.0-3.5	
		Armyworms	2.0-7.6	*
		European Corn Borer	3.5-5.5	

	Cron	Pests	Rate	Special
	Crop Cucurbit vegetables such as: Cucumbers, Melons,	Imported Cabbageworm Green Cloverworm Diamondback Moth Loopers	(pts./acre) 1.0-3.5	<u>Instructions</u>
	Pumpkins, Squash, Watermelon.	Saltmarsh Caterpillar Melonworm Pickleworm Rindworm complex		
		Armyworms	2.0-7.0	*
		European Corn Borer	3.5-5.5	
		Hornworms	0.50-2.0	
OTHER VE	EGETABLES			
	Crop	Pests	Rate (pts./acre)	Special Instructions
	Artichokes	Artichoke Plume Moth	2.0-4.5	
1		Armyworms	2.0-5.5	*
		Loopers	1.0-4.5	
1	Asparagus	Armyworms	2.0-7.0	*
		Diamondback Moth Green Cloverworm Imported Cabbaceworm	1.0-2.0	
		Loopers	1.0-3.5	
	Malanga	Armyworms	2.0-7.0	*
		Saltmarsh Caterpillar	2.0-3.5	
	Watercress	Loopers Diamondback Moth	1.0-3.5	
		Armyworms	2.0-7.0	*
		Green Cloverworm Imported Cabbageworm	1.0-2.0	
		Saltmarsh Caterpillar	2.0-3.5	
		European Corn Borer	3.5-4.5	
,	Sweet Corn	(see Other Crops, Corn)		

CROP GROUI	P			14 of 16
HERBS, SP	ICES, MINTS			
<u>C</u> :	rop	Pests	Rate (pts./acre)	Special Instructions
1	uch as:	Loopers	1.0-3.5	
O:   T1	asil, Dill, regano, hyme, eppermint.	Diamondback Moth Green Cloverworm Imported Cabbageworm	1.0-2.0	
		Armyworms	2.0-7.0	*
		European Corn Borer	3.5-5.5	
OTHER CRO	PS		Rate	Chagial
<u>C</u>	rop	Pests	(pts./acre)	Special Instructions
A	vocadoes	Loopers	3.5-4.5	
		Orange Tortrix Omnivorous Leafroller Omnivorous Looper Spanworm	2.0-7.0	
		Amorbia	2.0-7.0	Suppression Only **
R	ice	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	
		Heliothis spp.	3.5	Suppression Only **
	anola/Rape	Armyworms	2.0-7.0	*
),	eed	Diamondback Moth	1.0-2.0	
		Loopers	2.0-3.5	
		Heliothis spp.	2.0-7.0	
	orn	Armyworms	2.0-7.0	*

European Corn Borer

(Whorl Stage Only)

Southwestern Corn Borer

2.0-5.5

3.5-5.5 Aids in Control

Such as:

Popcorn.

Field, Sweet,

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Crop	Pests	Rate (pts./acre)	Special Instructions
Hops	Armyworms	2.0-7.0	*
	Loopers	1.0-3.5	
	Omnivorous Leaftier Spotted Cutworm Oblique Banded Leafroller	2.0-3.5	
Jojoba	Looper (Anacamptodes spp.)	2.0-3.5	
Persimmons, Pomegranate	Fall Webworm Filbert Webworm Omnivorous Leafroller Redhumped Caterpillar Tent Caterpillars	2.0-3.5	,
	Citrus Cutworm	2.0-4.5	
Safflower	Armyworms	2.0-7.0	*
	Loopers Saltmarsh Caterpillar	2.0-3.5	
Sorghum	Headworm	2.0-3.5	
Sunflowers	Headmoth Loopers	2.0-3.5	
Small Grains	Armyworms	2.0-7.0	*
	Loopers	2.0-3.5	
Tobacco	Tobacco Hornworm	0.50-2.0	
	Loopers	1.0-3.5	
	Tobacco Budworm	3.5	Suppression Only **

## Special Instructions

This product can be mixed and used with other pesticides only in accordance with the most restrictive of label limitations and precautions. This product cannot be mixed with any product containing a label prohibition against such mixing. No label dosage rates may be exceeded.

- \* 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.

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Crop	Pests	Rate (pts./acre)	Special Instructions
Hops	Armyworms	2.0-7.0	*
	Loopers	1.0-3.5	
	Omnivorous Leaftier Spotted Cutworm Oblique Banded Leafroller	2.0-3.5	•
 Jojoba	Looper (Anacamptodes spp.)	2.0-3.5	
Peanuts	Green Cloverworm Loopers Velvetbean Caterpillar Podworms	2.0-3.5	
	Heliothis spp.	3.5	Suppression Only **
Persimmons, Pomegranate	Fall Webworm Filbert Webworm Omnivorous Leafroller Redhumped Caterpillar Tent Caterpillars	2.0-3.5	
	Citrus Cutworm	2.0-4.5	
Safflower	Armyworms	2.0-7.0	*
	Loopers Saltmarsh Caterpillar	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	2.0-7.0	*
	Loopers	2.0-3.5	_
Tobacco	Tobacco Hornworm	0.50-2.0	
	Loopers	1.0-3.5	
	Tobacco Budworm	3.5	Suppression Only **

CROP	GROUP
	GIVOUE

FLOWERS BEDDING PLANTS, AND ORNAMENTALS

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

## CROP GROUP

GREENHOUSE,
AND OUTDOOR NURSERY CROPS

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

## CROP GROUP

TURF

Crop	Pests	Roto (pts /acre)	Special Instructions
Turf	Sod Webworm	3.5-7.0	
	Tropical Sod Webworm	3.5	
	Armyworms	3.5	*

#### 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, Seed Orchards, Ornamental Fruit, Nut & Citrus Trees	Elm Spanworm Gypsy Moth  Spruce Budworm Browntail Moth Douglas Fir Tussock Moth Coneworm	2.0-10.0	
		Buckmoth  Tussock Moths Pine Butterfly Bagworm Leafrollers Tortrix Moths Mimosa Webworm Tent Caterpillars Jackpine Budworm Blackheaded Budworm Saddled Prominent Saddleback Caterpillars	1.5-4.0	
		Redhumped Caterpillar Spring Cankerworm Fall Cankerworm California Oakworm Fall Webworm	1.0-2.0	

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- \*\* 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.