Please read instructions on	reverse before comple	ting form.			Form App	rovec	. OMB No.	<u> 2070-006</u>	O. Approvel expires 2-28-9	
	ř	Jnited States			į		Registra	ation	OPP Identifier Number	
Environmental Protection Age			\n 0\			_				
			псу			Amend	ment			
Washington, DC 20460					~	Other				
		Application	on for	Pesticio	le - Sect	ion	ı			
1. Company/Product Number				2. EPA Product Manager 3. Proposed Classification						
70051-41			Dennis Szuhay					· —		
			PM#						None Restricted	
4. Company/Product (Name) CLV LC			Microbial Pesticides Branch							
5. Name and Address of Applicant (Include ZIP Code)				6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3)						
Certis USA, L.L.C.			(b)(i), my product is similar or identical in composition and labeling to:							
9145 Guilford Road, Suite 175			EPA Reg. No.							
Columbia, MD 21046	5									
Check if this is a new address			Produc	t Name _						
			Sec	tion - I						
Amendment - Explain	below.			[ ]	Final printed	label	ls in repsons	e to		
					Agency lette					
Resubmission in resp	onse to Agency letter	dated			"Me Too" A	pplica	ation.			
Notification - Explain	below.			一	Other - Expl	ain be	NOTIFI	^ ATI (^)	<b>3</b> A	
[							NOTIFI	CATIO	2-1/	
Explanation: Use addition  Notification to revise phrase "CL\"	nal page(s) if necessar	y. (For sectio	niand Se	ction II.)	Da	ate	Reviewe	d: 10 7	47-01	
of warranty and conditions of sale	e" and the statement "Read	d this Limited Wa	rranty and L	iability before	e buving or usin	na this	product". We I	nave replace	d_theke with/the heading	
"Warranty" to be consistent with the EPA to comply with the NOP	other Certis USA, L.L.C. pr	oduct labels. Ad	ided logo for	the Organic	Materials Revi	b∰ Yhs	EUM GOILEDY	s his produce	thas almady been approved by	
98-10 and EPA regulations at 40	CFR 152.46, and no other	changes have b	een made to	the labeling	or the confider	ntial st	atement of form	ula of this pr	oduct. Junderstand that it is a	
violation of 18 U.S.C. Sec. 1001 to CFR 152.46, this product may be									s of PR Notice 98-10 and 40	
CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.  Section - III										
1. Material This Product Will	Be Packaged In:									
Child-Resistant Packaging	Unit Packaging		Water	Solubie Pa	ckaging		2. Type of	Container		
Yes	Yes			Yes				Metai		
✓ No	V No			No V			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Plastic		
<u></u>	If "Yes"	No nos	if "Yes		No nec	<b>.</b>	1 1	Glass   Paper		
* Certification must	Unit Packaging wgt.	No. per container	Packag		No. per container			Other (S	pecify)	
submitted	ļ <u></u>				<u> </u>					
3. Location of Net Contents Information 4. Size(s) Retail Container 5. Location of Label Directions										
Label Container 1 quart — on container										
6. Manner in Which Label is Affixed to Product  Lithograph Paper glued Stenciled  Other										
				ion - IV	/					
1. Contact Point /Complete	items directly below f	or identificatio	n of indivi	idual to be	contacted, i	f nec	essary, to pr	ocess this	application.)	
Name			Title	-				Telephone	No. (Include Area Code)	
]			Director	ector of Regulatory Affairs			301-483-38C5			
									C. Lucta Application	
Certification I certify that the statements I have made on this form and all attachm			manta tha	nente thereta are this assurate and complete				6. Date Application		
l acknowledge that an	y knowlinglly false or :								(Stamped)	
both under applicable I	aw.								* * * * * * * * * * * * * * * * * * * *	
			3. Title	. Title				* , *	b gr	
Christine A. Duely.			Director of Regulatory Affairs				.			
				<u> </u>	<del></del> -				<b>.</b>	
4. Typed Name			5. Date						•	
Christine A. Dively			may 28,2004				İ	 		
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### INSECTICIDAL VIRUS

A Liquid Concentrate Insecticidal Virus for Control of Caterpillar Pests

### FOR ORGANIC PRODUCTION

NOTIFICATION

OMRI Listed

ACTIVE INGREDIENT*:	Date	Roviewad:	102	204	net Contents:
Polyhedral occlusion bodies (Obs) of the nuclear polyhedrosi of Anagrapha falcifera	Rev	100 March 0.64%	$=\gamma_{i}\gamma_{i}\gamma_{i}\gamma_{i}\gamma_{i}\gamma_{i}\gamma_{i}\gamma_{i}$		EPA Est. No. 70051-CA-001
OTHER INGREDIENTS:		99.36%	7/		Lot Number:
TOTAL		100.00%	V	1	Lot Hallbor.

# CAUTION

Manufactured by Certis USA, L.L.C. 9145 Guilford Road Suite 175 Columbia, MD 21046



CLV LC is an Insecticidal Virus for control of various pest caterpillars on field and greenhouse crops and ornamentals. Read this label carefully. Refer to the Technical Bulletin for Additional Guidelines for Use.

#### FIRST AID STATEMENTS

If on skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

if swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Hot Line Number: 1-800-255-3924.

#### PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS (AND DOMESTIC ANIMALS):

**CAUTION:** Avoid contact with skin, eyes or clothing. Causes moderate eye irritation. Harmful if inhaled. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

#### PERSONAL PROTECTIVE EQUIPMENT:

Applicators and other handlers must wear:

- · Long-sleeved shirt and long pants
- · Shoes plus socks.

Mixers/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic reactions.

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

#### **USER SAFETY RECOMMENDATION**

Wash hands before eating, drinking; shewing gum, using tobacco, or using the toilet.

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

<sup>\*</sup>This lot contains at least 2 billion Obs/ml

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not re-use empty containers.

**STORAGE:** Store this product in original sealed container in a cool, dry place inaccessible to children and pets. Store at temperatures below 90°F. Bioactivity may be impaired by storage above 90°F. Storing the product in a freezer or refrigerator will extend its shelf-life.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Pesticide, spray mixture or rinsate that cannot be used should be disposed of on site or in an approved waste disposal facility in accordance with Federal and local regulations.

CONTAINER DISPOSAL: Plastic container - 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 burning is allowed, stay out of smoke. Glass container - triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved State and local procedures.

#### **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 in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For 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 exemptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 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.

#### **GENERAL INFORMATION**

CLV LC is a highly selective insecticide for use against the insects and on the crops listed on this label. Always follow these directions:

Treat when larvae are young (early instars) and are actively feeding. Apply before extensive damage has occurred. When insect infestations are heavy, use the higher label rates.

Thorough spray coverage is essential for good insect control. Apply CLV LC by conventional ground or aerial application equipment with quantities of water to provide thorough coverage of infested plants without runoff. The amount of water needed per acre will depend on weather, spray equipment, and local experience. Use the application amount of CLV LC in 20-100 gallons of water per acre for ground application and in at least 5 gallons of water for aerial application.

A spreader/sticker and ultraviolet screening agent may enhance the performance of this product.

Fill the mix tank with desired quantity of water. Use agitation during mixing. If a spreader/sticker or ultraviolet screen is used, add prior to the addition of CLV LC. Mixing time can be reduced by premixing CLV LC with a small amount of water and vigorously agitating before adding to the tank. Mix final formulation for 10-30 minutes.

## TECHNICAL BULLETIN CLV LC INSECTICIDAL VIRUS

#### PRODUCT DESCRIPTION

CLV-LC contains an insecticidal baculovirus (scientific name: Anagrapha falcifera nuclear polyhedrosis virus) that is specific to Lepidoptera. Because of this specificity, CLV LC provides a unique opportunity for biological control of caterpillars without harmful effects on humans, domestic animals, wildlife, beneficial insects and plants.

#### **BIOLOGICAL PROPERTIES and MODE OF ACTION**

CLV LC is an insecticidal virus which must be ingested by larvae in order to be effective. Upon ingestion, the viral occlusion bodies (OBs) dissolve in the larval midgut and release infectious virions. These enter the cells lining the digestive tract and replicate in the nuclei of those cells. The resulting progeny virus infect other tissues within the larva, which stops feeding and eventually dies from massive viral infection. After death, the larva disintegrates, releasing billions of new OBs which may infect other larvae upon ingestion. Death occurs 3 to 7 days after ingestion of CLV LC, depending on dosage and ambient temperature. Death may occur more quickly at higher temperatures and higher dosage.

Baculoviruses have been found only in invertebrates, no member of this family is known to infect vertebrates or plants. CLV LC does not reproduce in mammalian cells. No adverse effect to fish, wildlife or beneficial organisms have been observed.

This product can be inactivated by continuous exposure to temperatures above 90°F. For best results, keep the product refrigerated or frozen when not in use.

## PRODUCT INFORMATION Application

CLV LC biological insecticide is for use against the reliowing species of pest caterpillars on the crops listed below: Cotton bollworm (Helicoverpa zea), tobapco public political political capital poper (Trichoplusia ni), and diamondback motor (Plutella xylostella).

•••

#### **APPLICATION RATES**

CROP	RATE		
	Billions Obs Per Acre	MIs Per Acre	Fluid Oz Per Acre
Vegetables: Tomatoes, lettuce, cabbage, beans, peppers, celery, escarole, sweet corn, peas, asparagus, beets, cauliflower, cucumber, broccoli, onion	200	100 - 200	3.4 - 6.8
Other Crops: Cotton, alfalfa, soybeans, peanuts, potatoes, corn, wheat, sweetpotatoes, tobacco, sunflower, sugarbeets	200	100 - 200	3.4 - 6.8
Floriculture: Chrysanthemum, gypsophila, gerbera, rose, carnation, azalea, gladiolus, cyclamen, saintpaulia, geranium, Bouvardia	200	100 - 200	3.4 - 6.8

Repeat as necessary to maintain control. Make applications when larvae are small (first and second instars).

USE NON-CHLORINATED WATER AT A pH NEAR 7.0 IN THE SPRAY-TANK MIX.

CLV LC may be applied up to and including the day of harvest and storage.

#### WARRANTY

Certis USA, L.L.C. warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the insect problem, condition of the crop, incompatibility with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.

