

70051-41

8-9-2002

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division (7511C)
1200 Pennsylvania Avenue NW
Washington, DC 20460

EPA Reg. Number:

70051-41

Date of Issuance:

AUG 9 2002

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

CLV LC

Name and Address of Registrant (include ZIP Code):

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

Note: Changes in labeling differing in substance from that accepted in connection with the registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA Sec. 3(c)(7)(A) provided you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes listed below before you release the product for shipment:
 - a. Change EPA Reg. No. to read 70051-41
 - b. Add to your labeling the total under the Active and Inert Ingredient Statements
3. Submit five(5) copies of the revised final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.
4. Submit five batch analysis to justify the appropriateness of the visual microscopic counts of polyhedron inclusion bodies by January 8, 2003.

Signature of Approving Official:

(See second page for signature)

Date:

AUG 9 2002

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5. You **must** remove the statements "such as", "other crops such as", and floriculture such as" from the crop section of your labeling.
6. You **must** submit the Technical Bulletin with your amended labeling within 30 days of the date of this conditional registration.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely,



Janet L. Andersen, Ph.D., Director
Biopesticides and Pollution Prevention Division

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ACCEPTED
with COMMENTS
in EPA Letter Dated

AUG 9 2002

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
70051-41

CLV LC
A Liquid Concentrate
Biological Insecticide
for Control of Caterpillar Pests

CLV LC is an IVP (Insecticidal Virus Product) 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.

Active Ingredient*

Polyhedral occulsion bodies (Obs) of the
nuclear polyhedrosis virus of Anagrapha
falcifera.....0.64%

Inert Ingredients..... 99.36%

*This lot contains at least 2 billion Obs/ml

KEEP OUT OF REACH OF CHILDREN

CAUTION

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, preferable mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

EPA Reg. no. 70051-
EPA Establishment No. 70051-IL-001

PERSONAL PROTECTIVE EQUIPMENT

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.

CERTIS

MANUFACTURED BY:
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Columbia, MD 21046

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)**

Precautionary Statements: Avoid inhalation or contact with skin, eyes or clothing. Avoid breathing spray mist.

Personal Protective Equipment: Applicators and other handlers must wear
Long-sleeved shirt and long pants
Shoes plus socks

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

USER SAFETY RECOMMENDATION

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

ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment washwaters.

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 at 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.

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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 exceptions 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. CLV LC should be applied 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. Generally, use the recommended 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.

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Fill the mix tank with desired quantity of water. Agitation should be used during mixing. If a spreader/sticker or ultra-violet 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. Final formulation should be mixed for 10-30 minutes.

PRODUCT INFORMATION

Application

CLV LC biological insecticide is recommended for use against the following species of pest caterpillars on the crops listed below: Cotton bollworm (*Helicoverpa zea*), tobacco budworm (*Heliothis virescens*), beet armyworm (*Spodoptera exigua*), cabbage looper (*Trichoplusia ni*), and diamondback moth (*Plutella xylostella*).

Recommended Application Rates

CROP	RATE		
	lb/acre Per Acre	Mk per Acre	gallon Per Acre
Vegetables such as: 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 such as: Cotton, alfalfa, soybeans, peanuts, potatoes, corn, wheat, sweetpotatoes, tobacco, sunflower, sugarbeets	200	100-200	3.4-6.8
Floriculture such as: Chrysanthemum, gypsophila, gerbera, rose, carnation, azalea, gladiolus, cyclamen, saintpaulia, geranium, Bouvardia	200	100-200	3.4-6.8

Repeat as necessary to maintain control.
Applications should be made 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.

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LIMITATION OF WARRANTY AND CONDITIONS OF SALE

Read this Limited Warranty and Liability before buying or using this product.

Certis USA, L.L.C., warrants that this product conforms to the chemical description on the label and if used in accordance with directions for use, is fit for the purpose referred to. It is impossible, however, to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of Certis USA, L.L.C. All such risks are expressly assumed by the buyer.

Certis USA, L.L.C. makes no other warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above. Under no circumstances shall the manufacturer be held liable for consequential or indirect damages resulting from the use or handling of this product. Damages caused by this product shall be limited to the purchase price.

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