



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 27, 2020

Ana Koster
Global Regulatory Affairs Manager
Certis USA LLC
9145 Guilford Road, Suite 175
Columbia, MD 21046

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Add
Supplemental Labeling for Hemp
Product Name: Gemstar LC
EPA Registration Number: 70051-45
Application Date: 03/17/2020
OPP Decision Number: 561734

Dear Ms. Koster:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval is only for supplemental labeling that is an addendum to the master labeling. This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

This supplemental labeling contains some new and/or revised uses and/or directions that may be additional to the uses and/or directions found on the label on or attached to the container, but this supplemental labeling does not by itself constitute the complete set of use directions. The complete set of use directions is set forth on the container label as combined with this supplemental labeling.

A stamped copy of your labeling is enclosed for your records. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

Page 2 of 2
EPA Reg. No. 70051-45
OPP Decision No. 561734

If you have any questions, please contact Cody Kendrick by phone at (703) 347-0468 or via email at kendrick.cody@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'JKausch', written in a cursive style.

Jeannine Kausch, Product Manager 92
Microbial Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

SUPPLEMENTAL LABELING: HEMP
Gemstar[®]LC

INSECTICIDAL VIRUS



For Use in Organic Production



Active Ingredient:

Polyhedral occlusion bodies (OBs) of the nuclear polyhedrosis virus of <i>Helicoverpa</i>	
zea (corn earworm)*	0.64%
OTHER INGREDIENTS:	<u>99.36%</u>
TOTAL	100.00%

*Contains at least 2 billion OBs/mL of product

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

This Supplemental Labeling expires on October 31, 2021 and must not be used or distributed after this date.

MANUFACTURED BY:
Certis USA LLC
9145 Guilford Road, Suite 175
Columbia, MD 21046

**EPA Reg. No. 70051-45
EPA Est. No. 70051-CA-1**



ACCEPTED
04/27/2020
Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 70051-45

DIRECTIONS FOR USE

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

This labeling must be in possession of the user at the time of application.

Read the label affixed to the container for Gemstar® LC before applying.

Use of Gemstar® LC according to this labeling is subject to the use precautions and limitations imposed by the label affixed to the container for Gemstar® LC.

CROP

Hemp

PEST

Larvae of corn earworm (*Helicoverpa zea*, also known as the tomato fruitworm or cotton bollworm), old world bollworm (*Helicoverpa armigera*), tobacco budworm (*Heliothis virescens*).

RATE

4-10 fl. oz. of product/acre.

APPLICATION

Larvae ingesting the virus stop feeding within several days, become pale and lethargic, and then die as the virus replicates throughout their bodies. Virus released from dead larvae may infect other larvae feeding nearby.

Because the virus must be ingested by larvae in order to initiate infection, thorough spray coverage is essential for good insect control. Several days may elapse between treatment and cessation of larval feeding due to the virus infection. Large larvae may cause considerable damage as they continue to feed, even if they eventually succumb to virus infection. Therefore, treat when larvae are young (early instars) and are actively feeding, before extensive damage has occurred. When insect infestations are heavy, use the higher label rates and/or spray more frequently. Increasing the frequency of applications is usually more effective than raising the application rates at improving the level of insect control.

Frequent application at low rates is usually more effective than infrequent application at high rates.

Lower rates can be used during vegetative stages of crop growth.

When insect infestations are heavy, use the higher label rates and/or spray more frequently. Increasing the frequency of label applications is usually more effective than raising application rates at improving the level of insect control.

When flowers, fruit, or other harvested structures are present, use higher rates and/or increased frequency of sprays.

Gemstar® LC can be applied by ground or aerial sprayers (both conventional and ultra-low volume) or with overhead sprinkler irrigation equipment (chemigation), as long as the equipment provides thorough coverage of plants with minimal runoff. The amount of water or other carrier needed per acre will depend on weather, spray equipment, and local experience. Typical spray volumes are 20-100 gallons of water per acre for ground application and 5-20 gallons of water per acre for conventional aerial application. For aerial ULV application, apply in a minimum of 2 quarts of an approved oil-based carrier.

For chemigation instructions, please refer to the “Chemigation Instructions” or the “For Application via Overhead Sprinkler Irrigation” instructions on the label affixed to the container for Gemstar® LC for more information.