



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 5, 2019

Brandi Reynolds
Ag Program Manager – Pesticide Division
Arkansas State Plant Board
P.O. Box 1069
Little Rock, AR 72203

Subject: Registration Action Under FIFRA Section 24(c)
Use of Heligen on Edamame (Immature Soybean) Throughout Arkansas to Control Corn
Earworm and Tobacco Budworm
EPA Special Local Need (SLN) No. AR190002
Your Submission Dated June 18, 2019

This letter acknowledges receipt of your notification to the U.S. Environmental Protection Agency (Agency) of a registration, pursuant to section 24(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as follows:

Product Name: Heligen
EPA Registration No.: 87978-2
24(c) Registrant: AgBiTech Pty Ltd
8 Rocla Court
Glenvale
Queensland, Australia 4350

The Agency has reviewed the submitted materials and determined that the subject SLN registration for use of Heligen on edamame (immature soybean) to control corn earworm and tobacco budworm is acceptable.

If you have any questions concerning this letter, please contact Daniel Schoeff by telephone at (703) 347-0143 or via email at schoeff.daniel@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeannine Kausch", is positioned above the typed name.

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

**SPECIAL LOCAL NEED
FIFRA Section
24(C) LABEL
HELIGEN®
EDAMAME
STATE OF ARKANSAS**

FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF ARKANSAS

HELIGEN

EPA Registration No.: 87978-2

EPA SLN No.: AR19-0002

**FOR USE ON EDAMAME (Immature Soybean)
FOR CONTROL OF CORN EAR WORM (a.k.a. PODWORM, BOLLWORM)
(*Helicoverpa zea*)
AND TOBACCO BUDWORM (*Heliothis virescens*)**

THIS LABEL IS VALID UNTIL DECEMBER 31, 2020
OR UNTIL OTHERWISE AMENDED, WITHDRAWN, CANCELED OR SUSPENDED

Active Ingredient*

Helicoverpa zea Nucleopolyhedrovirus ABA-NPV-U

Other Ingredients

TOTAL

By Weight

25.65%

74.35%

100.00%

* Contains a minimum of 7.5×10^9 occlusion bodies per milliliter of product

ENVIRONMENTAL HAZARDS

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.

Do not contaminate water when disposing of equipment wash water or rinsate.

DIRECTIONS FOR USE

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

This Special Local Need (SLN) label and the EPA registered HELIGEN product label must be in the possession of the user at the time of pesticide application.

Follow all applicable directions, restrictions, Worker Protection Standard requirements and precautions on the EPA registered HELIGEN label.

This use is only for Edamame (Immature Soybean).

USE INFORMATION

HELIGEN is a suspension concentrate that can be applied to control listed insect pests. HELIGEN is diluted with water for application.

APPLICATION INFORMATION, RATES AND TIMING

HELIGEN is labeled for the control of Podworm (*Helicoverpa zea*) larvae and Tobacco Budworm (*Heliothis virescens*) larvae when applied as a foliar spray in Edamame (Immature Soybeans). HELIGEN works best on larvae that are smaller than $\frac{1}{4}$ of an inch long (2nd instar) and should not be used to control larvae that are larger than $\frac{1}{2}$ inch long (3rd instar). Good coverage of the feeding sites of the larvae is essential, as the virus particles in HELIGEN need to be ingested to be effective. If larvae are feeding low down in a heavy crop canopy, and application of HELIGEN does not reach these areas, initial control from the spray will be sub-optimal. However, larvae that die from the HELIGEN spray will release large amounts of HzNPV, which will spread throughout the crop canopy.

Good coverage plus targeting actively feeding small larvae are the key factors in ensuring maximum performance of HELIGEN. Under high pest pressure or sub-optimal application conditions, or when immediate protection against damage is required, additional control options should be considered.

Apply HELIGEN at 1.2 to 2.4 fl. oz. per acre. Use a higher application rate when flowers, fruit or economic parts of the crop are present, under high pest pressure conditions or to control 3rd instar larvae. Use the lower application rate during vegetative stages of crop production. Re-apply HELIGEN at 7-day intervals during periods of continual pest infestation.

RESTRICTIONS

None

IMPORTANT

Before using HELIGEN, read and follow all applicable directions, restrictions, and precautions on the EPA-registered HELIGEN label.

This bulletin contains new or supplemental instructions for use of this product that does not appear on the package label. Follow the directions carefully.

Read the Warranty on the Federal product label before buying or using this product. If the Warranty terms are not acceptable, return the unopened package at once to the product retailer for full refund of purchase price paid. Use by the buyer or any other user constitutes acceptance of the terms of the Warranty on the Federal product label.

FOR PRODUCT INFORMATION CALL AGBITECH TOLL FREE: 866 930 2108