

Heligen

Novel Mode of Action Insecticide
for Corn Earworm (CEW)



EFFECTIVE, ECONOMICAL AND
LONG-LASTING CEW MANAGEMENT

NEW IPM TOOL FOR SOYBEAN



20 years of
Lepidopteran
pest management



World's largest
Baculovirus research
center and
manufacturing facility



Strong commitment
to provide field
technical assistance



Wide network of
research partners

AgBiTech

Science. Nature. Viable Agriculture.

NOVEL AND HIGHLY SELECTIVE MODE OF ACTION Effective Insecticide for the Control of Corn Earworm (CEW)



TARGET PESTS: *Helicoverpa zea* - AKA Corn earworm (CEW), Soybean podworm (SPW), and Cotton bollworm (CBW).

ACTIVE INGREDIENT (A.I.): *Helicoverpa armigera* Nucleopolyhedrovirus (HearNPV)

FORMULATION: Suspension concentrate (SC) **RATE:** 1.28to1.6floz/acre.

NOVEL MODE OF ACTION: **GROUP 31 INSECTICIDE** Heligen® will control CEW larvae resistant to chemical insecticides. A unique set of baculovirus proteins (PIF complex) promotes generalized cell infection and ultimately, death. Infected larvae release billions of viral particles after death, leading to continued secondary infection cycles and long persistence in treated fields.

HOW TO USE HELIGEN®

Thorough crop coverage is essential, as the A.I. in Heligen® must be ingested by larvae to be effective. Heligen® is most effective when applied to small larvae at very early infestation levels.

Heligen Application
Threshold:
≤5 small (≤½") larvae
per 25 sweeps

Instar	Age (Days)	Size Category	Length (inches)	Actual Size	Heligen® timing
1st	0-2	Very Small	1/8"		✓✓
2nd	2-4	Small	1/4"		✓✓
3rd	4-8	Medium (small)	1/2"		✓
4th	8-11	Medium (large)	3/4"		✗
5th	11-14	Large	1"		✗
6th	14-18+	Large (snake)	1 3/4"		✗

* Do not use Heligen® as a curative treatment. In this situation, alternative control methods should be considered.

WHAT TO EXPECT AFTER APPLICATION:

Up to 3 days after application: Infected larvae continue to feed but become lethargic and move to the upper canopy – becoming more exposed to heat and more vulnerable to predators.

4-6 days after application: Feeding gradually stops and, often, sick larvae hang upside down from the leaves. Their skin bursts open, releasing billions of viral particles onto the plant canopy. These particles are effectively dispersed by wind, rain, and many arthropods, including predators that feed on the dead larvae.



At 1st appearance of
CEW ≤5 small larvae
per 25 sweeps

Heligen

Heligen® Application Window

V3

R3

COMPATIBILITY: Heligen is compatible as a tank mix partner with insecticides, fungicides, herbicides, and fertilizers. Ensure tank mixture solution pH is ≤8 prior to adding Heligen to the tank.

CAUTION: Spray solution pH above 8 may damage the virus and reduce performance of Heligen.

For more information: www.agbitech.us

