

**50% MORE
CONCENTRATED
THAN LEADING BRAND**

Against	African cotton bollworm (Corn earworm) and Native budworm (<i>Heliothis armigera</i> & <i>Heliothis punctigera</i>)
Active Ingredient	Min. 7.5×10^{12} /L Polyhedral Inclusion Bodies of <i>Heliothis armigera</i> nucleopolyhedrovirus (HearNPV)
Formulation Type	Suspension concentrate
Standard Dosage	100 – 200 ml per ha
Crops	<p>Horticultural crops Sweetcorn, Potatoes, Berryfruits, Brassicas, Asian greens, Cucurbits, Celery, Eggplant, Peppers, Tomatoes, Leafy vegetables, Beans, Peas, Flowers, Pome fruit</p> <p>Broadacre crops Cereal grains, Oilseeds, Peanuts, Lucerne, Pulses, Fodder crops, Cotton</p>



Pest

H. armigera & *H. punctigera* are widespread pests of enormous economic importance. The larvae are extremely polyphagous and feed on most plant structures including stems, leaves, flower heads and fruits.

Product

HELICOVEX® offers highly effective control of *H. armigera* & *H. punctigera*. The virus can kill the young instar larvae and can prevent damage. Moreover, the use of HELICOVEX® has a sustainable control effect on *Heliothis* populations. Unlike Bt's HELICOVEX® virus can effectively control up to L3 (> 7mm in length) larvae.

Benefits

- Non-toxic, no MRL requirements and no (minimum) withholding period. Highly selective against *Heliothis armigera* and *Heliothis punctigera* so very suited for integrated and organic pest management and preservation of other native Lepidoptera species.
- Contributes to resistance management of traditional insecticides.
- High quality formulation meaning lower rates than other NPV's - (up to 3.75 times more concentrated)
- Compatible with foliar fertilizers, fungicides and other insecticides (pH in tank mix 5 – 8.5)
- Excellent shelf life (2 years at 5 °C) and rainfastness.

Monitoring for *Heliothis*

HELICOVEX® is most effective on L1 larvae. Target application to coincide with neonate larvae emerging from their eggs. This can be achieved by setting of adult pheromone traps to monitor for egg laying activity. Traps need to be checked every 5 - 7 days to predict first egg lay and hatching. Monitoring traps and MyTraps online monitoring software can be purchased from OCP online at www.ocp.com.au, or Freecall: **1800 634 204** or contact your local area rep.



How To Use

All Crops:

Thorough coverage of the crop is essential as HELICOVEX® needs to be ingested to be effective. HELICOVEX® should be applied between 25 and 35°C when larvae are actively feeding. HELICOVEX® is more effective on smaller larvae. HELICOVEX® should not be applied on larvae larger than 13 mm in length. Under extremely high pest pressure or sub-optimal application conditions, or when protection against damage is vital, additional control options should be considered. The use of Synertril Horti Oil @ 250ml/100L is recommended to improve coverage.

Horticultural crops:

Use a higher rate when flowers, fruit or economic parts of the crop are present, under high pest pressure conditions or to control larvae greater than 7 mm in length. Use lower rates during vegetative stages of crop production. HELICOVEX® has a short residual activity and re-treatment may be required at 2 to 3 day intervals.

Broadacre crops:

Sorghum:

Application should be made 3 days after 50% of panicles have reached 100% flowering.

Cotton:

HELICOVEX® should not be applied on larvae larger than 7 mm in length. When applied alone, HELICOVEX® is unlikely to reduce larval numbers below threshold if the initial population exceeds 4 per metre of row. HELICOVEX® should be used in accordance with the Cotton Best Management Practices Manual.

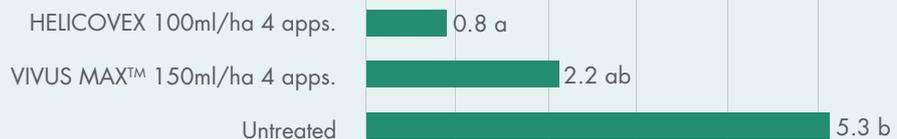
Chickpeas:

The addition of powdered milk at a rate of 1.0 kg/ha may improve the performance of HELICOVEX® in this crop. HELICOVEX® is unlikely to reduce larval numbers below threshold if the initial population exceeds 6 per metre of row.

Sweetcorn:

Application should be made from the early vegetative growth stage through to tasselling and prior to the emergence of silks. HELICOVEX® has short residual activity and re-treatment will be required, depending on egg counts, crop growth rates and weather conditions.

Mean number of *Heliothis* Larvae per metre of row Chick Pea Agrisearch Trial (Condamine, QLD 2012)



Mean Number of *Heliothis* Larvae per Metre of Row

Mean Percentage of Cobs with *Heliothis* Damage Agrisearch Trial (Bathurst, NSW 2014)



Mean Total Number *Heliothis* Larvae per Cob

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