



## HELIVAX & SPODOVAX

A biological insecticide containing Nuclear Polyhedrosis Virus (NPV) of cotton bollworm and cutworm respectively.

### PROPERTIES

A liquid concentrate containing atleast 2 billion POBs per ml of *Helicoverpa armigera* and *Spodoptera litura* respectively.

### MODE OF ACTION

These products contain naturally occurring insecticidal viruses. They are selective in controlling only cotton bollworm and leaf cutworm. After ingestion by the caterpillar on the sprayed crops the poly occlusion bodies of the viruses (POB) are dissolved rapidly in the mid gut due to alkaline pH. This releases infectious virus particles that penetrate the caterpillar's cell nucleus and cause death within 2 to 7 days. This effect can also spread to healthy bollworms in the cotton field.

### DOSAGE

Hand operated sprayer : 100 ml /200 litres water per acre.

Power sprayer : 100 ml /60 litres water per acre.

Ultra low volume sprayer : 100 ml /5 litres water per acre.

The recommended rate is 100 ml per acre. Apply twice during the cycle of the target pests. First spray can be given when the egg masses initially appear and the second within 4 to 7 days when eggs are hatched to young ones.



Spodovax infected cutworm



Spodovax infected cutworm



Helivax infected Bollworm

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