

**Sineria**



Our Knowledge, Your Success.

# EPISODE<sup>®</sup> 480SC

NEW GENERATION, HIGHLY ACTIVE INSECTICIDE,  
DERIVED FROM NATURAL OCCURRING SOIL FUNGI  
AGAINST LEPIDOPTERA PESTS AND THRIPS

## ACTIVE INGREDIENT: Spinosad 480 gr/ltr

- Spinosyn based insecticide
- Episode 480SC is an insecticide with a novel mode of action which is derived from a family of natural fungi obtained by fermentation of *Saccharopolyspora spinosa* bacteria.
- The neural mode of action underpinning spinosad insecticides targeting binding sites on nicotinic acetylcholine receptors (nAChRs) of the insect nervous system are distinct from other insecticides. Episode 480SC binds to the nAChRs which results in the disruption of acetylcholine neurotransmission, thus killing insects via the hyperexcitation of their nervous system.
- Episode 480SC also has secondary effects as a  $\gamma$ -amino-butyric acid (GABA) neurotransmitter agonist.
- Episode 480SC has so far proven not to cause cross-resistance with any other known insecticides.

## EPISODE 480SC CHARACTERISTICS



## IPM COMPATIBLE

- Episode 480SC has relatively low impact on beneficial organisms following application.
- Always apply pesticides during the evening when bees are not foraging.
- Episode 480SC has a highly favorable mammalian and non-target toxicology and environmental fate profile.

## DIRECTIONS FOR USE:

Episode 480SC should be mixed with water to be ready for use. It may be applied with various types of spraying equipment.

## RATE OF APPLICATION:

Crop	Pest	Application Rate
Ornamentals	Thrips, Caterpillars	150 - 300 ml/ha
Vegetables	Thrips, Caterpillars, Leafminers	150 - 300 ml/ha
Herbs	Thrips	75 - 150 ml/ha

*Always alternate with insecticides with different mode of action through the season to prevent the development of resistant pests*

## Unique mode of action with excellent efficacy against the targeted pests!

### IRAC MoA Classification Version 9.1, December 2018

See section 7.4 for further information on sub-groups.  
See section 7.3 for criteria for descriptors of the quality of MoA information.

Main Group and Primary Site of Action	Sub-group or exemplifying Active Ingredient	Active Ingredients
Nicotinic acetylcholine receptor (nAChR) allosteric modulators - Site I Nerve action	Spinosyns	Spinetoram, Spinosad

## APPLICATION TIMING

- It is recommended to apply Episode 480SC upon the first appearance of pests.
- Ensure thorough coverage of the canopy with the spraying mixture.
- In case of high pest pressure, repeat application at 7-10 days intervals





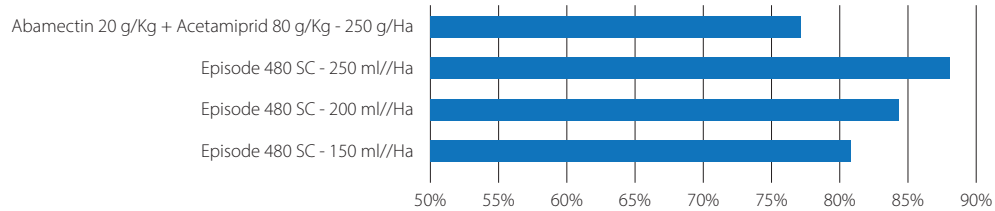
## FIELD TRIALS

Extensive field research has proven the efficacy of Episode 480SC.

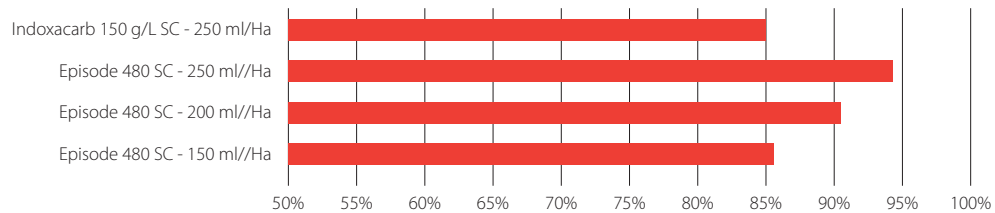
### 1. Episode 480SC trial against thrips and caterpillars in tomato plants Spain, 2019.



#### Thrips - % Control against untreated



#### Caterpillars - % Control against untreated



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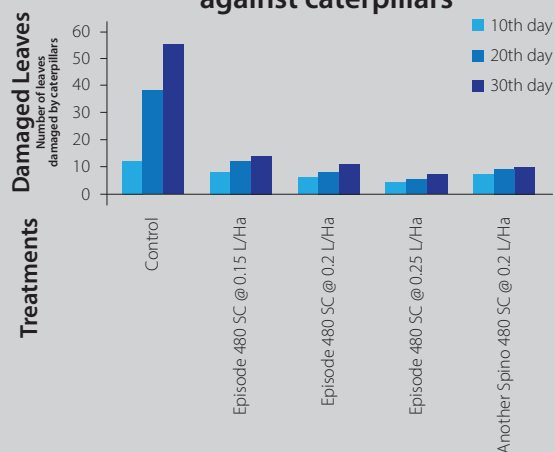


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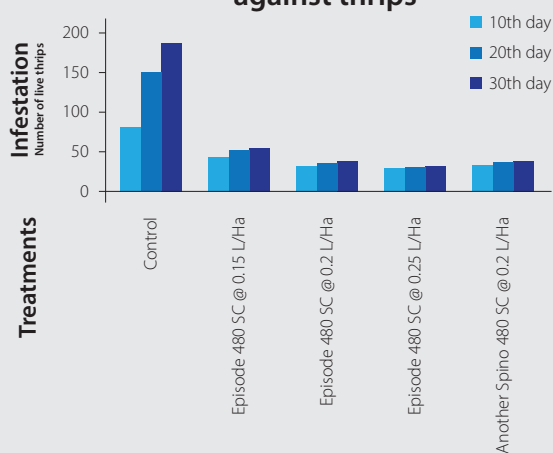
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## Effect of Episode 480 SC against caterpillars



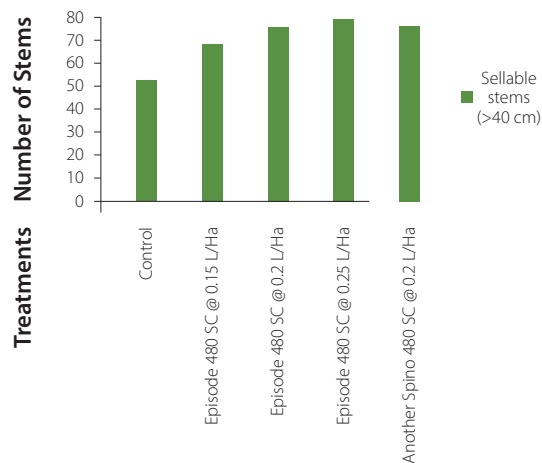
## Effect of Episode 480 SC against thrips



## 2. Episode 480SC trial against thrips and caterpillars on roses Kenya.



## Effect of Episode 480 SC on Rose Yield



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