

INDOX 15SC™

Active Ingredient: Indoxacarb 150 gr/lit

The prime choice against Lepidoptera insects!

Indox 15SC™ is Lepidoptera insecticide with activity also on sucking insect pests. It is used primarily as a larvicide, although it also effective against the adult and egg stages of many pest species. Suitable for use as a foliar spray on a wide range of crops.

Indox 15SC™ Main Characteristics

- ✓ For the control of Lepidoptera and sucking insects on a wide range of crops
- ✓ Novel mode of action
- ✓ Acts as both contact and stomach insecticide with a good residual activity
- ✓ Important new tool in resistance management Programs
- ✓ Reduced Risk and Organophosphate (OP) Alternative Pesticides (EPA-USA)
- ✓ Suitable for IPM
- ✓ No phytotoxicity



Mode of Action

The active ingredient of Indox 15 SC™ is Indoxacarb which belongs to the Oxidiazine chemical group.

Indoxacarb is in a new class of chemistry with a new mode of action. Indoxacarb interferes with a group of ion channels by inhibiting the flow of sodium ions into nerve cells. This flow of sodium ions is essential to nervous system functioning. Disruption of these channels causes tremors, cessation of feeding, paralysis and death of insect pests.

The larva's nourishment ceases in a short time (2-8 hours) and then it dies between 24-60 hours.

Indoxacarb acts in a manner distinct from other sodium channel modulators (e.g. pyrethroids).

Indox 15SC™'s unique mode of action makes it an important new tool in resistance management Programs, Cross resistance to other insecticide groups is highly unlikely to occur.

Indox acarb is characterized as a "Reduced Risk and Organophosphate (OP) Alternative Pesticide" by the EPA-USA



Advantages of Indox 15SC™

- Low impact on human health
- Low toxicity to non-target organisms (birds, fish, plants)
- Low potential for groundwater contamination
- Low application rates
- Low pest resistance potential
- Compatibility with Integrated Pest Management practices



Crop/Pest	Dosage/ha	Application Directions
Potatoes Potato Tuber Moth (<i>Plutella xylositella</i>)	250 ml/ha	Apply in 500-1000 litres of water/ha ensuring good crop foliage cover.
Brassicas (Cabbage, Broccoli, Brussel Sprouts) Diamondback Moth (<i>Phthorimae operculella</i>)	250 ml/ha	Apply in 300-600 litres of water/ha and ensure thorough coverage of area where larvae feed.
Peas African Bollworm (<i>Helicoverpa armigera</i>)	250 ml/ha	Apply in 250-350 litres of water/ha and ensure thorough coverage of foliage. Start application at flowering or when eggs or small bollworm larvae are observed.

Pre-harvest Intervals: Brassicas- 3days, Potatoes -1 day, Peas -7days

Crop/Pest	APPLICATION DIRECTIONS					
Cotton Heliiothis bollworm (<i>Helicoverpa armigera</i>) Red Bollworm (<i>Diparopsis castanea</i>) Pink Bollworm (<i>Earias</i> spp)	Plant Height	Amount of Indox 15 SC/ha	Litres of spray mix per hectare			
			Mist blower	Tailboom	Knapsack	Aerial
	Up to 0.4m	57 ml	35	50	100	5
	0.4-0.9m	114 ml	65	100	100	10
	Over 0.9m	170 ml	100	150	100	15
	NOTE: For aerial spraying, add molasses to the spray mixture at 25% by volume to reduce evaporation and improve pesticide retention					
	GROUND ULV APPLICATION					
	Mix 34ml of Indox 15SC™ with 350 ml molasses and make up to 1 litre with clean water. Apply mixture as follows:					
	Plant Height	Swath on 1m wide rows	Walking speed (Metres/Second)	Height of sprayer above crop	Litres spray mix/ha	
	Up to 0.4m	4 rows	90	0.5-0.75m	1.7	
0.4-0.9m	3 rows	60	0.25-0.5m	3.3		
Over 0.9m	2 rows	60	Top of Crop	5.0		

Application

General Rate: 250 ml/ha, depending on:

- Crop
- Targeted Pest
- Pest Pressure

General Application Notes:

Apply when first signs of infestation are noticed or when moths are observed. It can be applied at 7-14 day intervals. Shorter intervals should be used early in the season during active vegetative growth. Do 2-3 consecutive applications of Indox 15SC™ and then alternate with products with a different mode of action. Do not exceed 5 Indox 15SC™ applications per season.

Supplier:

Sineria

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