

ZC Formulation:

Mixture of Capsule Suspension (CS) and Suspension Concentrate (SC).

Non-flammable

An insecticide for the control of Lepidoptera caterpillars such as Diamond-back moth (*Plutella xylostella*) in brassicas, American bollworm (*Helicoverpa armigera*) in tomatoes, Fall armyworm (*Spodoptera frugiperda*) in maize and other caterpillars in other crops as listed on the label.

Chemical group:

Chlorantraniliprole is an Anthranilamide.
Lambda-cyhalothrin is a synthetic Pyrethroid.

TRB Certificate No.: 19-21-D-08

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Syngenta Group Company

LXXXXXXX ZIMB/04X PPE XXXXXXX

 **Ampligo® 150ZC**

syngenta.

Reg. No.
12-D-136-55-D-194-1

Net content:
250 ml



**DANGER
POISON**

Composition (mass/volume)

Chlorantraniliprole: 100 g/litre
Lambda-cyhalothrin: 50 g/litre
Inert ingredients: to 1 litre



Before using this product read and understand the entire label.

Date of manufacture / Batch No:

Please refer to inkjet print.

Shelf Life: 2 years if stored in a cool dry place in original unopened container.

Emergency Call Number:

Swiss Toxicological Information Centre
(24 h) +41 44 251 51 51

Manufacturer: Syngenta Crop Protection AG,
Basel, Switzerland

Registered by: Syngenta Agro AG

32 Sandringham Drive,
Alexandra Park, Harare.
Tel.: 08677005432/08677005434

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TO CAUSE A HAZARD IN THE USE, STORAGE OR DISPOSAL OF THIS SUBSTANCE IS AN OFFENCE.

PRECAUTIONS

- Handle with care; avoid splashing/contact; poisonous by swallowing, inhalation and contact with the skin.
- Wear suitable protective clothing, i.e. for mixing – impermeable gloves, overalls, eye/face protection; for application - overalls, hat, and solid footwear.
- DANGEROUS TO FISH.
- TOXIC TO BEES.
- KEEP OUT OF REACH OF CHILDREN.
- KEEP APART FROM FOOD, FOODSTUFFS, seeds and fertilizers
- Store in original container in a cool, dry place and keep under lock and key
- Use only on the crops for which the product is registered.
- Avoid drift onto adjacent crops or soil.
- Do not eat, drink or smoke while handling this product.
- On completion of mixing/spraying remove protective clothing and wash entire body and change clothing.

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- Decontamination of Sprayer – after use clean the sprayer thoroughly and ensure that all traces of Ampligo150 ZC are removed. Make use of the following method: (a) Drain tank then rinse tank, sprayer boom and hoses with clean water for at least 10 minutes. (b) Fill tank with clean water and add to it 1,0 litre household bleach (5%) or 1,5 litres household bleach (3,5%) per 200 litres of water. Rinse hoses and sprayer boom and leave in the tank for 15 minutes whilst agitating. Drain through the nozzle outlets. (c) Repeat step (b) and thereafter, rinse thoroughly with clean water and dispose of the wash water at a site designated for the disposal of pesticides.
- Empty container disposal – invert the empty container over the spray tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container 3 times with a volume of water equal to at least 10% of that of the container. And the rinsate to the contents of the spray tank. Destroy the empty container by perforation and flattening. Place it in a secure disposal area and offer it for recycling. DO NOT use it for any other purpose.

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SYMPTOMS OF POISONING

There are no specific symptoms of poisoning known for this compound. May cause tingling numbness in exposed areas (paraesthesia). The effect is transient, may be lasting up to 24 hours.

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FIRST AID

Eye contact: Rinse eyes with clean water for several minutes. Go to a doctor.

Skin contact: Remove contaminated clothing; wash affected skin with soap and water.

Go to a doctor if skin is affected.

If inhaled: Move to clean air.

If swallowed: DO NOT induce vomiting; repeatedly administer medicinal charcoal in plenty of water. Seek medical advice immediately if a large volume of concentrate was ingested.

Note: Never give anything to an unconscious patient.

NOTE TO PHYSICIAN

If gastric lavage is performed, take care to prevent aspiration of gastric contents. Consider administration of activated charcoal and a laxative.

No specific antidote is known. Apply symptomatic therapy.

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USER'S RISK

The user bears the risk for damage resulting from factors beyond the manufacturer's control.

All recommendations for use of the product are based on the current state of the manufacturer's knowledge.

Since the manufacturer cannot control the application, use or storage of the product, the manufacturer cannot accept responsibility therefore.

Since the occurrence of resistance cannot be foreseen, the manufacturer accepts no responsibility for any loss or damage to crops resulting from failure of Ampligo® 150 ZC to control a resistant strain of the target pest.

PRODUCT INFORMATION

Mode of Action and Spectrum of Activity

Chlorantraniliprole is a novel substituted anthranilamide insecticide which activates insect ryanodine receptors.

The proposed IRAC mode of action group is 28. It is highly potent on Lepidoptera mainly, but also on some Coleoptera and Diptera. Chlorantraniliprole is systemic in plants, with long-lasting protection and has excellent rainfastness.

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Lambda-cyhalothrin is a pyrethroid insecticide which disrupts sodium channel modulators. The proposed IRAC mode of action group is 3. It offers rapid knockdown, residual control and anti-feeding and repellency properties against some pests. Lambda-cyhalothrin is not systemic in plants.

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INSECTICIDE RESISTANCE MANAGEMENT (IRM)

Ampligo® 150 ZC contains chlorantraniliprole, a Group 28 insecticide, and lambda-cyhalothrin, a Group 3A insecticide, based on the International Resistance Action Committee (IRAC) Mode of Action classification. Repeated and exclusive use of Ampligo® 150 ZC or other Group 28 or Group 3A insecticides may create resistant insect populations. Follow these recommendations to prevent or delay the development of insecticide resistance to Ampligo® 150 ZC:

- Do not apply more than the recommended applications of Ampligo® 150 ZC per season for any crop.

Refer to “Directions for use” for the particular crop guidelines.

- Apply Ampligo® 150 ZC or other Group 28 or Group 3A insecticides using a “window” approach to avoid exposure of multiple successive pest generations to the same mode of action. A window is defined as the period of residual activity with insecticides of the same mode of action within an approximate 30 day period.
- Two successive applications of Ampligo® 150 ZC may be made within a treatment window to protect new growth or control high pest populations.
- Following a window of use with Ampligo® 150 ZC or other Group 28 or Group 3A insecticides, rotate to a window using effective insecticides with a different mode of action.

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- Incorporate IPM practices (cultural and biological control) into the pest management program.
- Monitor insect populations for loss of field efficacy.
- Target the most sensitive life stage of the pest, typically small larvae.
- If you experience difficulty with control, and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternate method of control for your area.

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DIRECTIONS FOR USE.

Warnings

PRE HARVEST INTERVAL

Minimum number of days between last application and harvesting:

Tomatoes:

7 days; broccoli & cauliflower: 3 days; cabbage & Brussels sprout: 7 days; tobacco & leafy vegetables: 14 days; peas and beans: 15 days; soybeans: 21 days.

For export crops DO NOT apply more than 2 times per crop cycle.

Compatibility:

Ampligo® 150 ZC is compatible with most insecticides and fungicides. As compatibility can be adversely affected by the quality of the water used in the mixture, the manufacturer recommends that a trial mixture be done using the water intended for spraying.

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Mixing:

Half fill the sprayer tank with clean water. Shake the Ampligo® 150 ZC container well. Add the recommended volume of Ampligo® 150 ZC to the water while agitating. Top up tank with required volume of water.

Always stir the spray mixture well and apply within a few hours. Do not prepare more spray mixture than is needed for the immediate operation.

Application

In all cases apply as a full cover spray. Avoid run-off. Make sure the equipment is properly calibrated to give even distribution at the correct volume. Do not spray during the hot hours of the day, if the foliage is wet or if rain is imminent or if windy.

Spray intervals: Depend on scouting results.

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RATES

CROP	PEST	DOSAGE	APPLICATION DETAILS
Leafy vegetables and salad crops: e.g. cabbages, broccoli, cauliflower, kale, endive, lettuce	Lepidoptera: Diamond back moth (DBM; <i>Plutella xylostella</i>); Other caterpillars (<i>Helicoverpa</i> spp.; <i>Spodoptera</i> spp.)	0,2-0,4 Lt/ha (1-4 sprays) in 200-1000 Lts water per ha	<ul style="list-style-type: none"> Application timing and frequency should be based on economic thresholds. Apply as required by scouting. Add wetting agent to waxy Brassica crops. Insect Resistance Management: Alternate with insecticides with different mode of action such as Match® and Proclaim®.
Potatoes & Fruiting Vegetables: e.g. tomatoes, peppers, chillies, eggplants, cucumbers, squash, courgettes, melons	Lepidoptera: American bollworm (<i>Helicoverpa armigera</i> ; <i>Heliothis</i> spp.); Other caterpillars (<i>Agriotes ipsilon</i> ; <i>Potato tuber moth</i> ; <i>Spodoptera</i> spp.; <i>Trichoplusia ni</i> ; <i>Tuta absoluta</i>)	0,2-0,4 Lt/ha (1-4 sprays) in 200-1000 Lts water per ha	<ul style="list-style-type: none"> Application timing and frequency should be based on economic thresholds. Apply as required by scouting. To control boring species, time applications before they bore into the fruits or stems. IRM: Alternate with insecticides with different mode of action such as Match® and Proclaim®.

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CROP	PEST	DOSAGE	APPLICATION DETAILS
Pulses: e.g. peas, beans, soyabeans, cowpeas	Lepidoptera: <i>Helicoverpa</i> spp., <i>Spodoptera</i> spp., <i>Trichoplusia ni</i> .	0,2 Lt/ha (1-2 sprays) in 200-1000 Lts water per ha	As for Fruiting Vegetables
Tobacco Lands: TRB Certificate No.:19-21-D-08 Harvest interval: 7 days	Lepidoptera: Budworm (<i>Heliothis armigera</i>) Leafminer (<i>Phthorimaea operculella</i>)	Mix 56ml Ampligo® 150 ZC in 100 litres water and apply a minimum 250 litres / ha of the mixture. Mix 65 ml Ampligo® 150 ZC in 100 litres water and apply a minimum 250 litres / ha of the mixture.	<ul style="list-style-type: none"> Scout for pests every 7 days from transplanting up to topping time. Apply Ampligo® if there are more than 10 budworms on 100 plants. On topped plants ensure good spray penetration of the apical bud. Repeat the application every 7-10 days depending on re-infestation and pest pressure. For Leafminer apply Ampligo® at the first signs of leaf mining. Ensure full cover sprays every 7-10 days. Do not exceed a maximum of 3 sprays per crop cycle.

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CROP	PEST	DOSAGE	APPLICATION DETAILS
Maize	Lepidoptera: Fall armyworm (<i>Spodoptera frugiperda</i>). Maize stalk borers (<i>Chilo</i> spp; <i>Busseola</i> spp; & <i>Sesamia</i> spp).	0,24 Lt/ha (1-4 sprays) in 200-400 Lts water per ha aiming to cover the funnel, tassel or silks depending on where the pest is feeding.	<ul style="list-style-type: none"> • Scout for pests every 7 days after emergence up to hard dough stage. • Apply Ampligo® at the first sign of pest presence during the early development stages of the larvae. • Repeat the application after 10 - 14 days depending on re-infestation and pest pressure. • Do not exceed a maximum of 3 sprays per crop cycle.

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