

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

1. Handle with care. Avoid splashing and contact with eyes, nose and mouth.
2. Poisonous by swallowing, inhalation and contact with skin.
3. **WEAR FULL PERSONAL PROTECTIVE EQUIPMENT (PPE)** i.e. rubber gloves, rubber boots, overalls, hood, goggles and respirator when preparing and using with this product.
4. **KEEP APART FROM FOOD AND FOOD STUFFS.**
5. **DO NOT** eat, drink or smoke while preparing and applying this product.
6. On completion of spraying remove personal protective clothing, wash face, hands and body with soap and running water before engaging in any activities.
7. **KEEP OUT OF REACH OF CHILDREN AND UNIFORMED PERSONS.**
8. **TOXIC TO LIVESTOCK AND DOMESTIC PETS, VERY TOXIC TO AQUATIC ORGANISMS AND CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.**
9. Store in the original container and **KEEP UNDER LOCK AND KEY.**
10. **DO NOT** contaminate drinking pools, streams, water bodies with the chemical or empty containers.
11. Prevent drift onto other crops and areas not under treatment.

SYMPTOMS OF POISONING:

There are no specific symptoms of poisoning known for this compound. May cause tingling numbness in exposed area. The effect is transient.

FIRST AID:

Inhalation: Move victim to fresh air. If not breathing properly, give artificial respiration. Seek medical attention.
Skin contact: Remove contaminated clothing and shoes and launder. Wash thoroughly with soap and running water.

Eye contact: Flush immediately with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Ingestion: If swallowed, wash the mouth with water provided person is conscious. Induce vomiting. Obtain medical attention immediately.

Call Drug and Toxicology Information Services (DATIS) on +263242307148/+263786100098 for more information.

NOTE TO PHYSICIAN:

There is no specific antidote. Treat symptomatically.

EMPTY CONTAINER DISPOSAL

Invert the container over the spray tank or mixing tank. Allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water to a minimum of 25% of the container. Add the rinsate to the contents of the spray tank. Destroy the empty container by perforation and flattening. **DO NOT** use for any other purposes. If possible, offer the container for recycling and reuse.

CLEANING OF APPLICATION EQUIPMENT

After use, ensure traces of Lastrole 150 ZC are removed. Use the following method:

- a) Drain and rinse tank, spray boom and hoses with clean water for at least 10 minutes (rinse at least 3 times).
- b) Fill tank with clean water and add to it 1 liter of household bleach (Sodium hydrochloride, 5%) per 200 liters of water. Rinse hoses and spray boom and leave in tank for 15 minutes whilst agitating. Drain through nozzle outlets.
- c) Repeat step (b) and after that, rinse thoroughly with water. Dispose of the wash water safely in a collection sump where it will not contaminate crops, grazing, rivers, dams and boreholes.

WARRANTY:

The excellent results which this chemical normally yields are not however warranted or guaranteed as the effectiveness can be greatly influenced by factors outside the control of either the manufacturer or the distributor. No warranty whatsoever expressed or implied is therefore given concerning the effectiveness of this chemical. Any responsibility is specifically excluded for any damage, injury or loss of any kind of loss during or resulting from its handling, use or storage whether or not such has been in accordance with label directions.

Lastrole 150 ZC

Reg. No.:
24-D-194-21-D-136-131
TRB No.:
25-27-D-118

CONTENTS:
250ML



Composition:.....	mass/volume
Chlorantraniliprole:.....	100 g/L
Lambda-cyhalothrin:.....	50 g/L
Inert ingredients:.....	850 g/L

Chemical group: Anthranilamide / Synthetic Pyrethroid

An insecticide for the control of Lepidoptera caterpillars in maize, cabbage, potato, tomato and other crops listed; and aphids in wheat.

Manufactured by:
Shandong Weifang Rainbow Chemical Co., Ltd.
Binhai Economic Development Area, Weifang, Shandong, China
Tel: +86-531-88975222, 88875231

Distributed By:
Trowbar Enterprises (PVT) LTD. T/A MAGUIRES
196 Harare Drive, Borrowdale, Harare, Zimbabwe
+263 (0)242 852 131

Date of Manufacture:
Expiry Date:
Batch No.:

Rainbow
all about growing



INSECTICIDE

DIRECTION FOR USE: USE AS DIRECTED.

MIXING INSTRUCTIONS

Half fill the spray container with clean water. Add the required amount of Lastrole 150 ZC to the spray container and top up with water to the required volume while agitating continuously. Use the prepared mixture immediately. **DO NOT** prepare more spray mixture than is needed for immediate application. **DO NOT** allow to stand overnight.

APPLICATION RATES:

Crop	Pest	Dosage	Application directions
Tobacco	Lepidoptera: Budworm (Heliothis armigera) Leafminer (Phthorimaea oper cutella)	Mix 50ml Lastrole 150 ZC in 100 litres water and apply a minimum 250 litres / ha of the mixture. Mix 65 ml Lastrole 150 ZC in 100 litres water and apply a minimum 250 litres / ha of the mixture.	• Scout for pests every 7 days from transplanting up to topping time. • Apply Lastrole 150 ZC if there are more than 10 budworms on 100 plants. • On untopped 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 Lastrole 150 ZC 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.
Maize	Lepidoptera: Fall armyworm (Spodoptera frugiperda). Maize stalk borers (Chilo spp; Busseola spp; & Sesamia spp.)	0,24 Lt/ha (1-4 sprays) APPLICATION DETAILS in 200-400 Lts water per ha aiming to cover the funnel, tassel or silks depending on where the pest is feeding.	• Scout for pests every 7 days after emergence up to hard dough stage. • Apply Lastrole 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.
Leafy vegetables and salad crops: e.g. cabbages, broccoli, cauliflower, kale, endive, lettuce	Lepidoptera: Diamond back moth (DBM; Plutella xylostella); Other caterpillars (Helicoverpa spp.; Spodoptera spp.)	0,2-0,4 Lt/ha (1-4 sprays) 200-1000Lts water per ha	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
Pulses: e.g. peas, beans, soyabeans, cowpeas	Lepidoptera: Helicoverpa spp., Spodoptera spp., Trichoplusia ni.	0,2 Lt/ha (1-2 sprays) in 200-1000 Lts water per ha	As for Fruiting Vegetables
Potatoes & Fruiting Vegetables e.g. tomatoes, peppers, chillies, eggplants, cucumbers, squash, courgettes, melons	Lepidoptera: American bollworm (Helicoverpa armigera; Heliothis spp.); Other caterpillars (Agrotis ipsilon; Potato tuber moth; Spodoptera spp.; Trichoplusia ni; Tuta absoluta)	0,2-0,4 Lt/ha (1-4 sprays) in 200-1000 Lts water per ha	• 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

RE-ENTRY PERIOD

DO NOT enter the treated area for at least 24 hours after treatment.

COMPATIBILITY

Compatible with most of the commonly used pesticides and other crop protection products. However, all mixtures should be tested prior to field application.

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Tomatoes: 3 days. **Broccoli & Cauliflower:** 3 days. **Cabbage & Brussels sprout:** 7 days. **Leafy vegetables:** 14 days. **Peas & Beans:** 15 days. **Soyabeans:** 21 days;