

# DUDUTHRIN® 1.75 EC



WHO CLASS II

*A contact, residual and stomach acting insecticide for the control of insect pests in beans, tomatoes, maize, wheat, barley, mangoes, cotton, carnations, roses and pasture.*

ACTIVE INGREDIENT 17.5g/L Lambda-cyhalothrin.

FORMULATION Emulsifiable concentrate

PCPB REGISTRATION NO. PCPB(CR) 0481

MODE OF ACTION Duduthrin is a contact, residual and stomach acting insecticide with repellent properties. It is photostable but not fumigant or systemic. It disrupts nervous transmission thus knocking it down instantly.

SPECTRUM OF CONTROL Duduthrin controls a very wide range of foliar and soil surface pests including aphids and other sucking pests, beetles, weevils and caterpillars. Duduthrin provides effective protection against a wide range of insect pests.

## CROP RECOMMENDATION

CROP	PEST	RATE/lt./ha	ML/20 lt.	TIMING
Cotton	Bollworms, Stainers, Sucking pests	1 lt in 200-400 lt of water	65	Spray soon after flowering begins. Repeat every 2 weeks
beans, tomatoes, cabbage and kale	Bollworms, Leafworms, Whiteflies, Aphids, Beetles	1 lt in 200-400 lt of water. (Maintain concentration for higher volume of water)	65	Spray when insects appear. Repeat as necessary. When Spraying DUDUTHRIN on cabbage, etc, Agral 90 (5 ml in 20 lt Water) may be required to aid wetting. Pre-harvest interval 3 days
Roses	Aphids, Flower Beetles, Bud worms, thrips, Whiteflies	1 lt in 1000 lts of water	65	Spray at the first sign of insect attack.Repeat treatments as necessary.
Mango	Leaf eating Caterpillars, Fruit borers, Sucking pests	1 lt in 1000 lts of water.	65	Spray when insects appear. Pre-harvest interval 7 days
Beans & Maize	Cutworms	0,3 lt in 120 lt of water	50	Spray along planted rows only when soils are wet preferably towards evening.
Wheat and Barley	Aphids	0,5 lt in 300 lt of water.	35	Spray when infestation is expected and early enough to prevent BYDV. May be applied by air at 30lt of water /ha. Compatible with several fungicides and herbicides.
Maize, Pastures,	Army worm	0,5 lt in 300 lt of water.	65	Spray at first signs of infestation. Keep livestock off until 24 hours are over
Maize	Stalk borer	0,3 lt in 200 lt of water.	25-30	Apply on maize at knee height (about 40cm in height) Use 25-30ml in 20lt of water to cover 1000m2. Use cone nozzle and high pressure.

## COMPATIBILITY

Duduthrin is compatible with most commonly used pesticides, insecticides, fungicides and herbicides. However do not tank mix with any product unless your own prior testing has shown that the combination is physically compatible, effective and non-injurious under your condition.

## MAIN ADVANTAGES

- Photostable - good persistence in the field.
- Broad spectrum of activity - will control the major crop pests in one spray.
- Quick knockdown and repellency - stops pest damage to crops immediately.
- High activity at low doses - low environmental impact, very low residue on crops, very short pre-harvest interval.
- Has contact, residual and stomach action - ensures pest control whether or not the pest is actually sprayed.
- Mite activity - unlike most pyrethroid insecticides, Duduthrin when applied on a regular spray schedule, especially using high volume ground equipment (e.g for control of cotton, vegetable and top fruit pests), can eliminate or reduce the number of specific acaricide sprays required during a season.
- Rapid penetration into waxy cuticle of plant - Rainfast upon drying of spray
- Stable in water with pH 5 - 9 - No need for extra buffer solutions.

## AVAILABLE PACKS

50ml, 100ml, 200ml, 500 ml, 1LT, 20 LT.

## HANDLING PRECAUTIONS

- Wear protective gloves and face shield when handling the concentrate.
- Wash concentrate from skin or eye immediately
- Wash hands and exposed skin before meals and after work.
- Do not contaminate ponds, waterways or ditches with chemical or used container
- Wash out container thoroughly, empty washings into spray tank and dispose of safely. Crush or cut it, then bury it.
- Keep unused product in original container tightly closed, lock up out of reach of children and away from food.
- Destroy and burn or bury empty containers.

## ENVIRONMENT AND WILDLIFE

Toxic to fish and aquatic invertebrates. Do not contaminate water supplies by disposal of product waste. Keep livestock out of treated areas.

## FIRST AID INSTRUCTIONS

**Eye splashes** - Flush the eyes with water for at least 15 minutes and obtain medical attention.

**Skin Splashes:** Remove contaminated clothing and bath thoroughly with water and soap

**Ingestion:** If conscious, INDUCE VOMITING and obtain medical attention immediately.

**Inhalation:** Apply irritation-comforting spray on the mucous membrane of the respiratory tract.



LEADERS IN CROP PROTECTION

Duduthrin® 1.75 EC is a trade mark of Twiga Chemical Industries Ltd.