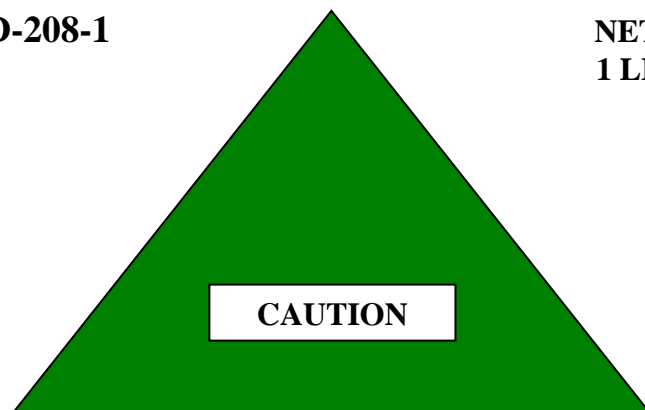


ACHTA 1% EC

REG. No: 16-D-208-1

NET CONTENTS:
1 LITRE



HARMFUL IF SWALLOWED

COMPOSITION: (mass/volume)

Neem oil.....30% w/w
Azadirachtin.....1% w/w
Inert ingredients.....69% w/w

Chemical group: Bio Insecticide

A BIO INSECTICIDE CONTAINING EXTRACT FROM NEEM SEEDS FOR THE CONTROL OF VARIOUS PESTS IN VEGETABLES, FRUIT TREES AND OTHER HORTICULTURAL CROPS.

Registered By:
Pivotal Agro-Services P/L
P. O. Box WGT 450 Westgate, Harare,
Telephone: 309800 / 25

Manufactured by:
Tagros Bioscience
A Division of Tagros Chemicals India

Batch No:

Date of Manufacture:

Date of Expiry:

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

PRECAUTIONS:

1. Handle with care and avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Harmful if inhaled or absorbed through the skin.
2. **KEEP OUT OF REACH OF CHILDREN.**
3. **KEEP APART FROM FOOD AND FOODSTUFFS.**
4. Remove contaminated clothing and wash before re-use.
5. Wash exposed parts of the body with soap and water after use and before eating, drinking or smoking.
6. **DO NOT CONTAMINATE PONDS, WATERWAYS AND DITCHES BY STORAGE OR DISPOSAL.**
7. Triple rinse empty containers: invert the empty container over the spray tank or mixing 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 a volume of 10% of this container. Add the rinsing to the contents of the spray tank.
8. Destroy empty containers by puncturing and burying. **DO NOT** use for any other purpose.
9. Store in a cool, dry place away from direct sunlight and in original tightly closed container. **KEEP UNDER LOCK AND KEY.**
10. **DO NOT** store above 35 degrees C.
11. **DO NOT** eat, drink or smoke during application

SYMPTOMS OF POISONING:

Occasional diarrhoea, nausea and general discomfort when taken orally.

Mild irritation to the mucous membrane of the eye and skin irritation could occur. Reduced motor activity, shallow respiration, nasal discharge reaction may occur.

FIRST AID:

If on skin: In case of skin contact, remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water. Get medical attention if irritation occurs.

If in eyes: Flush eyes with large amounts of water for at least for 15 minutes. Get medical attention if irritation occurs.

If swallowed: Drink two glasses of water. Induce vomiting. Get medical attention if person feels unwell. Never give anything by mouth to an unconscious person.

If inhaled: Remove subject to fresh air and keep him/her warm and at rest. If breathing is difficult, give oxygen. If breathing has stopped, apply artificial respiration. Get medical attention.

NOTE TO PHYSICIAN:

There is no known antidote for exposure to this material. Treatment of overexposure should be directed at the control of symptoms and clinical condition.

WARRANTY:

This product and the recommendations concerning its use should give excellent results, but since the performance and effectiveness of crop protection chemicals can be greatly influenced by factors outside the manufacturer's control, the manufacturer and seller give no guarantee or warranty, expressed or implied, concerning the use of this product and they assume no responsibility for damage or injury arising from the use thereof.

GENERAL INFORMATION:

ACHTA 1% EC is a bio insecticide containing Azadirachtin extracted from neem seed kernels as a principle active compound. It acts on insects by repelling them, inhibiting feeding and disrupting their growth, metamorphosis, reproduction and hatching rates. In larvae, azadirachtin can inhibit moulting, preventing them from developing into pupae.

MIXING INSTRUCTIONS:

Shake well before use.

Add the required amount of **ACHTA** to a partially filled tank while agitating. Add the remaining quantity of water while stirring vigorously. The volume of total water required will depend on crop stage, crop cover, the total area to be treated and the type of sprayer used.

COMPATIBILITY:

Compatible with other pesticides or fungicides. Do not tank mix with Captan, Lime Sulphur, Triphenyltin hydroxide or other alkaline compounds as this may cause phytotoxicity or reduced efficacy.

SPRAYING INSTRUCTIONS:

- Spray at the initial symptoms of the pest damage
- Number of sprays depends on the level of infestation.
- Spray **ACHTA** in the early morning or late afternoon hours.
- Do **NOT** spray under hot conditions or symptoms of phytotoxicity (leaf cupping and defoliation) may occur.
- Avoid spray drift on to adjacent crops. **DO NOT** spray against the wind

DIRECTIONS FOR USE:

1. Apply **ACHTA** preventatively or when first signs of the pest are noticed.
2. Spray **ACHTA** in the early morning or late afternoon hours.
3. Do **NOT** spray under hot conditions or phytotoxicity (leaf cupping and defoliation) may occur
4. Repeat spray at 7-10 day intervals.
5. Under high pest incidence, use product at short intervals
6. After the first 2 sprays, monitor insect pressure and adjust to spraying at 14 day intervals or as necessary.
7. Thoroughly cover foliage or apply up to run-off conditions
8. Spray during morning or evening hours
9. Use "pH" correctors depending on the spray water quality
10. Mix well before application
11. Use oil adjuvant to maximise biological activity on selected pests

RAINFASTNESS:

ACHTA should be applied a minimum of one hour before rainfall or overhead irrigation. Use a "rain fastener" in case of high rainfall areas. Repeat spraying if rain occurs within two to three hours of spraying.

Re-Entry Interval: 4 hours

Pre-Harvest Interval: All crops – 0 days

Rotational Crops:

Use of **ACHTA** in accordance with label directions is expected to result in normal growth of rotational crops in most situations.

RATES:

Apply at the rate of **1.0 – 1.4 l/ha or 400ml per 100 litres** of water. Spray volume between **250-500** litres water per hectare.

CROP TYPE	CROPS	PESTS
Leaf Vegetables	Broccoli, Cabbage, Cauliflower, Lettuce	Aphids, Diamond back moth, Cabbage borer, Leaf rollers, Mites, Thrips, Whitefly.
Root Vegetables	Beet root, Carrots Sweet Potato	Aphids, Beetles, Leaf hoppers, Loopers, Mites, Thrips, Whitely
Fruiting Vegetables	Chilies, Eggplant, Pepper	Aphids, Beetles, leafhoppers, Stink bugs, Thrips, Weevils
Citrus Fruits	Grapefruit, Lemon, Lime, Oranges, Mandarin	Aphids, Beetles, Psylla, Whitefly, Leafhoppers, Loopers, Leaf miner, Mites, Thrips, Weevils
Pome Fruits	Apples, Pears	Aphids, Beetles, Leafhoppers, Leaf rollers, Fruit flies, Mites, Thrips, Whiteflies.
Stone Fruits	Apricot, Nectarine, Peaches, Plums	Aphids, Beetles, Leafhoppers, Leaf rollers, Fruit flies, Mites, Thrips, Whiteflies.
Cucurbits	Cucumber, Pumpkin, Squash, Watermelons	Aphids, Beetles, Leaf miner, Whitefly, Leaf rollers, Mites, Thrips
Berries	Blackberry, Blueberry, Gooseberry, Strawberry	Aphids, Beetles, Thrips, Mites Whitefly, Bugs
Bulb Vegetables	Onion, Garlic, Shallots	Aphids, Beetles, Leafhoppers, Mites, Thrips, Whitefly
Legume Vegetables	Peas, Chickpeas, Lentil Green beans	Aphids, Beetles, Leaf miner, Mites, Bollworms, Whitefly
Solanaceaus	Potato Tomato	Aphids, Beetles, Tuta absoluta, Leaf miner, Jassids, Whitefly.
Nut Trees	Almond, Macadamia, Peacan, Walnut	Aphids, Beetles, Mealybugs, Stink bugs, Nutborers, Scales

**FOR FURTHER INFORMATION ON THIS PRODUCT
CONTACT PIVOTAL AGRO-SERVICES (04) 309800/ 25.**