



WHO CLASS IV

# NIMBECIDINE®

Botanical Insecticide/Nematicide/Miticide



Guarantee: **Azadirachtin 0.03%**  
 Formulation: **Emulsifiable concentrate**  
 Classification: **Botanical Extract**

## General Description

NIMBECIDINE is a totally natural, neem-oil based preparation for the control of a wide range of insect pests and mites and soil nematodes on numerous crops. Its unique modes of action allow for the control of a very broad spectrum of pests including caterpillars, whiteflies, diamond-backmoth, aphids, leafminer, fruitworms, bollworms, beetles, wireworms, stem borers, armyworms, cutworms, spidermites, etc.

## Mode of Action

It shows characteristics of several pesticidal molecules in a single product because it works in

### FIVE different ways:

1. Insect growth regulator (disrupts insect molting by antagonizing the insect hormone ecdysone.)
2. Antifeedant (feeding deterrent). Upon ingestion of nanogram quantities, insects become quiescent and stop feeding.
3. Oviposition deterrent (prevents laying of eggs on leaves).
4. Sterilant (interferes with insect breeding).
5. Residual insecticidal properties and repellent.

## Other Features and Benefits

- ✓ It is safe to the operator and does not harm beneficial insects (such as predators, parasites and pollinators).
- ✓ Contains several active ingredients - thus ideal for breaking insect and nematode resistance to conventional pesticides.
- ✓ It is biodegradable, ecofriendly and thus ideal for use in Integrated Pest Management (IPM).
- ✓ Internationally certified for organic farming.
- ✓ It is an effective supplement for many synthetic pesticides.

## Recommended Application Rates

Crop	Pests	Rates	Spray Interval
Vegetables (e.g. tomatoes)	Aphids, Whitefly, Caterpillar, Leafminer, Spidermites	2.5-3L/Ha 50-60ml/20L	1st spray at 15 days after planting / transplanting (3 -4 sprays at an interval of 15 - 20 days).
French beans	Aphids, <i>Spodoptera exigua</i> , Fruit worm ( <i>Helicoverpa armigera</i> )	2.5-3L/Ha	
Snowpeas	Thrips, Aphids, Leafminer, Caterpillar, Whitefly	50-60ml/20L	
Cucurbits e.g. squash cucumber, etc.	Aphids, Whitefly nymphs, Caterpillar, Leafminer and Cucumber beetles	2.5-3L/Ha 50-60ml/20L	
Flowers e.g. roses	Thrips, Aphids, Whiteflies	2.5-3L/Ha	

Use half the rate when you mix with other insecticides especially pyrethroids.

Pre-harvest Interval: 12 hours

### Soil Application (Drenching)

Tomatoes: Drench 8Lt/ha (8ml/10m<sup>2</sup>) to control Cutworms, wireworms, etc.

Nematode Control: Drench soil at 6-8Lt/ha (6-8ml/10 m<sup>2</sup>) or combine 4L/ha + other nematicide. Apply early before nematode infestation occurs and alternate with other nematicides.

**Compatibility:** Compatible with numerous chemical pesticides except highly alkaline ones.

**Phytotoxicity:** Non-phytotoxic on most crops. However, always undertake tests on small areas before large-scale application.



Aphid



Caterpillars



Spidermites

*Spodoptera spp*

Whitefly

## Osho Chemical Industries Ltd.

Industrial Area Office: Osho Complex, Sasio Rd. off Lunga Lunga, Industrial Area

Postal Address: P. O. Box 49916 - GPO 00100 Nbi-Kenya

Pilot Line: (+254) 020 391 2000, (+254) 0711-045 000, (+254) 0733-880 480

Customer Service: (+254) 020 391 2500, (+254) 0711-045 500 Fax: (+254) 020 3912600, (+254) 0711-045 600

E-mail: oshochem@oshochem.com Website: www.oshochem.com

