

# BIO-NEEM™

READ THE ATTACHED PACKAGED LEAFLET BEFORE USE • KEEP OUT OF REACH OF CHILDREN AND ANIMALS

ACT / WET 36/1947 REG. No: ZAR L7052 NAM N-AR 2159

## BIOINSECTICIDE

**BIO-NEEM™** is an emulsion oil in water consisting of natural plant extracts and oils from the Neem tree *Azadirachta indica*. It can be used to control the leafminer on potatoes and snout beetle on apples and grapes.



IRAC Insecticide Group Code	26
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Not classified as hazardous under GHS.

## ACTIVE INGREDIENTS

**Azadirachtin**

**1.5 g/ℓ**

### REGISTRATION HOLDER:

**Agro Organics (Pty) Ltd.**

REG. No 2000/005499/07

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GRIFFON POISON INFO CENTRE

### SEE CONTAINER FOR:

NETMASS/BATCHNO./MANUFACTURINGDATE



### WARNINGS

- **RE-ENTRY:** Do not enter the treated area before the spray deposit has dried unless wearing protective clothing

### PRECAUTIONS

- Keep out of reach of children.
- Do not handle until all safety precautions have been read and understood.
- Empty all pesticides from the container by placing it upside down over the spray tank and holding it there for at least 30 seconds.
- Triple rinse statement:
  - Fill with one-quarter of clean water
  - Shake for 30 seconds
  - Decant into spray tank for 30 seconds
- **NEVER USE THE CONTAINER FOR ANY OTHER PURPOSE.** Puncture the rinsed container to render it useless and send it to a CropLife SA-approved recycler. PET containers cannot be recycled and must be incinerated after cleaning.

### FIRST AID

Most important symptoms and effects, both acute and delayed:

- **INHALATION:**  
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Seek medical attention if irritation occurs.
- **INGESTIONS:**  
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention if you feel unwell.
- **SKIN CONTACT:**  
Remove contaminated clothing; wash affected area with water for 15 minutes. Seek medical attention if irritation occurs.
- **EYE CONTACT:**  
Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. Seek medical attention if irritation occurs.

### RESISTANCE WARNING

- Avoid exclusive, repeated use of insecticides from the same insecticide group code (**BIO-NEEM™** belongs to group code 26) Alternate or tank mix with products from different insecticide group codes.
- Integrate control methods (chemical, cultural and biological) into insect control programs.
- Contact your local distributor for specific information on resistance management.

### INSTRUCTIONS

- **Compatibility:** A compatibility test must be carried out before mixing **BIO-NEEM™** with any other product.
- **Mixing instructions:** SHAKE CONTAINER THOROUGHLY before adding to mixing tank.
- Use clean water with pH 6-7 and an appropriate wetter/sticker.
- Stir water in mixing tank when **BIO-NEEM™** is added and agitate during application.
- Use mixture on same day.
- Ensure good coverage (wetting) of foliar parts.
- Do not apply directly before irrigation or irrigate within two days after application of the product, or if the wind is blowing too strong.
- Store between: 10-35°C

## DIRECTIONS FOR USE

- Use only as indicated:

# DIRECTIONS FOR USE:

## APPLES

PEST / DISEASE	APPLICATION RATE	REMARKS
<b>Snout beetle</b> <i>Phlyctinus collosus</i>	<b>500 mℓ BIO-NEEM™</b> + 400 g Bio-Insek per 100 ℓ water	<ul style="list-style-type: none"><li>• Wet all plant parts thoroughly. Apply 2 sprays. The first after 75% petal drop and the second 4 weeks later. If required a third spray can be applied mid-January to prevent late damage.</li></ul>

## POTATO

PEST / DISEASE	APPLICATION RATE	REMARKS
<b>Leafminer</b> <i>Liriomyza huidobrensis</i>	<b>500 mℓ BIO-NEEM™</b> per 100 ℓ water	<ul style="list-style-type: none"><li>• Spray 300-500 ℓ of spray mixture/ha depending on stage of development. Wet all plant parts thoroughly. Apply preventative by spraying every week.</li></ul>

## VINEYARD

PEST / DISEASE	APPLICATION RATE	REMARKS
<b>Snout beetle</b> <i>Phlyctinus collosus</i>	<b>500 mℓ BIO-NEEM™</b> + 400 g Bio-Insek per 100 ℓ water	<ul style="list-style-type: none"><li>• Apply when damage is noticed and if necessary 3-4 weeks later.</li></ul>

**DISCLAIMER:** Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions; quality of dilution water; compatibility with other substances not indicated on the label as well as by the method, time and accuracy of the application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions, which could not have been foreseen in terms of the registration.

**CONSULT THE SUPPLIER OR REGISTRATION HOLDER IN THE EVENT OF ANY UNCERTAINTY.**