

A dispersible concentrate contact and stomach insecticide with insect growth-regulant activity for the control of pests in citrus and grapes, as indicated.

'n Dispergeerbare konsentraat insekdoder met kontak- en maagaksie en insek-groeireguleerderaktiwiteit vir die beheer van plae in sitrus en duiwe, soos aangedui.

Registration Holder and Distributed by:
Makhro Home And Garden (Pty) Ltd

Reg. Nr. 2014 / 283523 / 07

21 Viben Street, Brackenfell 7560

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www.makhro.co.za

 **MAKHRO**
HOME AND GARDEN

TRIVOR®

Reg. Nr. L10879 – Act 36 of 1947

IRAC INSECTICIDE GROUP CODE 4A / 7C

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

acetamiprid (neonicotinoids)	186 g/l	asetamiprid (neonikotinoïede)
pyriproxyfen	124 g/l	piriproksifen

Registration Holder:

ADAMA South Africa (Pty) Ltd (1992/001741/07)

99 Jip de Jager Drive, Belville, 7530

Yellow band




HARMFUL
SKADELIK

Geel band



TRIVOR®

Reg. No. L10879 Act No. 36 of 1947

IRAC INSECTICIDE GROUP CODE 4A/7C

Aktiewe Bestanddeel: acetamiprid (neonicotinoids) 186 g/l
pyriproxyfen 124 g/l

Registration Holder: ADAMA South Africa (Pty) Ltd (Co. Reg. No. 1992/001741/07)



Office No: 021 981 4011

21 Viben Street, Brackenfell

Technical advise: 082 562 5330

Medical Emergency: 0861 555 777

HARMFUL

WARNINGS:

Withholding periods (minimum number of days between last application and harvest): Citrus... 84 days | Grapes... 42 days

- Handle with care
- Harmful if swallowed.
- Very toxic to aquatic life with long lasting effects.
- Toxic to birds.
- Moderately toxic to bees.
- Store in the closed, original container in a cool, well-ventilated area, away from direct sunlight, food, feed and other agricultural chemicals.
- Not flammable – but avoid contact with heat, flames and sparks and extremely high temperatures.
- Keep out of reach of children, uninformed persons and animals.
- In case of poisoning call a physician and show this label to him/her.
- **Re-entry interval:** Do not enter treated field until spray deposit has dried unless wearing protective clothing and gloves.

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. The action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label, the occurrence of resistance of the pest against the remedy concerned, as well as by the method, time and accuracy of 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 in the event of any uncertainty.

PRECAUTIONS:

- Do not inhale spray or spray mist, fumes or vapours.
- Avoid contact with skin, eyes and clothes.
- Wear rubber gloves, face shield or goggles and protective clothing when handling and using the concentrate or the prepared product. In the event of eye contact, flush out at once. In the event of skin contact, wash off at once. If spill on clothes, change and wash the clothes.
- Daily wash contaminated clothes and other protective equipment before reuse.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Do not eat, drink, or smoke during handling and application of the product, or before washing.
- While applying the product, avoid contact with the spray as far as possible. Avoid spray drift onto other crops, grazing, rivers or dams.
- Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the empty container three times in succession with one quarter on the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler (www.croplife.co.za).
- Do not bury or donate the container to any other parties that may use it as a container for food or beverages.

SYMPTOMS OF HUMAN POISONING: None known.

FIRST AID TREATMENT

General: In case of accident or unwellness, seek medical advice and show the safety data sheet or label to the medical advisor.

Inhalation: Move the person to fresh air, keep him/her warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Call the emergency contact centre or consult a physician for treatment advice.

Ingestion: Rinse mouth with water. Drink plenty of water, but do not administer anything by mouth to an unconscious person. Call the emergency contact centre or consult a physician for treatment advice.

Skin contact: Remove contaminated clothing and shoes, wash off with plenty of water and soap. Call the emergency contact centre or physician for treatment advice. Call the emergency contact centre or consult a physician for treatment advice.

Eye contact: Keep the eye open and rinse it slowly and gently with running water for 15 to 20 minutes. If present, remove contact lenses after the first 5 minutes; then continue rinsing the eye. Call the emergency contact centre or consult a physician for treatment advice.

NOTE TO PHYSICIAN: Treat symptomatically.

RESISTANCE WARNING

For the purpose of resistance management TRIVOR® is classified as a group code 4A and 7C insecticide. Any pest population may contain individuals naturally resistant to TRIVOR® and other group code 4A and 7C insecticides. The resistant individuals can eventually dominate the pest population if these insecticides are used repeatedly. These resistant pests may not be controlled by TRIVOR® or any other group code 4A and 7C insecticides.

To delay insecticide resistance:

- Avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate or tank-mix with products from different insecticide group codes.
- Integrate the control methods (chemical, cultural, biological) into insect control programmes.

For more information regarding resistance management contact the registration holder of this product.

DIRECTIONS FOR USE

Use only as indicated.

General

TRIVOR® is a combination of two active substances with different modes of action, namely pyriproxyfen and acetamiprid.

Pyriproxyfen is an insect growth regulator (Group 7C) that suppresses embryogenesis (egg development) and inhibits metamorphosis and development into adult insects. Its effects are slow to appear, but irreversible. Pyriproxyfen acts primarily through ingestion by the target insect with some contact and ovicidal activity that allows for extended residual control. The activity of pyriproxyfen depends on the insect development stage.

Acetamiprid is a member of the neonicotinoid (Group 4A) insecticide family and interferes with neurotransmission in target insects, causing feeding to cease within hours or even minutes and achieves mortality within 24 to 48 hours. Acetamiprid is absorbed through contact and ingestion by the insect. Some translaminar movement within plant tissue could occur.

Due to the mode of action of TRIVOR®, evidence of activity may be slower to appear than in the case of conventional contact insecticides.

Use restrictions

- Do not apply TRIVOR® by air.
- Do not apply TRIVOR® if rainfall that is likely to produce runoff is forecast within 48 hours of application.
- Do not apply TRIVOR® more than twice per growing season in citrus and more than once per growing season in grapes.
- Avoid application TRIVOR® while pollinators (bees) are actively foraging.
- Do not treat trees or plants that are under stress, for instance due to water logging, drought, soil compaction, nutrient deficiencies, root and stem diseases, or nematodes.

Compatibility

The compatibility of TRIVOR® with other products can be influenced by the formulation of those products and the quality of the dilution water. As formulations of products can change without the knowledge of ADAMA South Africa (Pty) Ltd and the quality of water can differ from farm to farm, a physical compatibility test should always be carried out prior to application.

For more information regarding product compatibility contact ADAMA South Africa (Pty) Ltd.

Mixing instructions

Shake the container prior to opening. Half fill the spray tank with clean water. Add the required quantity of TRIVOR® to the spray tank while agitating. Fill the spray tank with water to the required volume while agitating. Ensure constant effective agitation during mixing and application. Only prepare enough spray mixture for one day's use. Spray mixture should not be allowed to stand overnight.

APPLICATION

TRIVOR® can be applied with a suitable, correctly calibrated air-assisted sprayer, equipped with an efficient agitation mechanism, and that will be able to distribute the spray mixture evenly over the target area.

CROP AND TARGET	RATE	REMARKS
Citrus Mealy bug (<i>Plannococcus citri</i>) Thrips (<i>Scirtothrips aurantii</i>) Red scale (<i>Aonidiella aurantii</i>)	4 ml / 10 L (0.4 ml / 1 L)	Apply TRIVOR® at 90 % petal drop, as a full cover spray to the point of runoff, ensuring thorough coverage of fruit and foliage throughout the crop canopy. Monitor for thrips from the start of flowering and apply when the action threshold is reached, typically before calyx closure. Do not apply to well-established populations dominated by mature adult insects. Continue monitoring for thrips, and if numbers are moderate to high apply a second application after a minimum spray interval of 14 days. Monitor for mealy bug and red scale crawlers and apply when first crawlers are noticed. Do not apply to well-established populations dominated by mature adult insects. Continue monitoring for crawlers, and if required apply a second application after a minimum spray interval of 14 days. To delay the development of resistance, apply TRIVOR® as part of an integrated management strategy for the control of the pests indicated, followed by or alternating with insecticides with a different mode of action.
Grapes (grapevines) Mealy bug (<i>Planococcus ficus</i>)	5 ml / 10 L (0.5 ml / 1 L)	Apply TRIVOR® as a full cover spray to the point of runoff, ensuring thorough coverage of foliage throughout the crop canopy. Apply from 28 cm shoot length, but before the onset of flowering. Monitor for mealy bug crawlers and apply when first crawlers are noticed. Do not apply to well-established populations dominated by mature adult insects. To delay the development of resistance, apply TRIVOR® as part of an integrated management strategy for the control of the pest, by using insecticides with a different mode of action for follow-up applications.