



FREDO

Reg. No. L8568, Act No. 36 of 1947 | Reg. Nr. L8568, Wet Nr. 36 van 1947

Read the label before use
Keep out of reach of children and animals

An emulsifiable concentrate contact and stomach insecticide with insect growth regulatory activity for the control of the larval or nymph growth stages of citrus red scale in citrus and the control of mango scale in mangoes

'n Emulgeerbare konsentraat kontak- en maaginsekdoder met insekgroeireguleerde aktiwiteit vir die beheer van larf of nimf **groeistadiums** van rooidopluis on sitrus en mangodopluis in mango's

Hazard Statements

May be fatal if swallowed and enters airways.
Causes mild skin irritation
Causes serious eye damage.
May cause drowsiness or dizziness.
Toxic to aquatic life with long lasting effects.

Precautionary Statements

Avoid breathing dust/fume/gas/mist/ vapours/spray.
Avoid release to the environment.



Danger

INSECTICIDE GROUP CODE - 7C

INSEKDODER GROEP KODE - 7C

ACTIVE INGREDIENT

Pyriproxyfen(phenylether)100 g/l

Manufactured for and registered by/
Vervaardig vir en geregistreer deur:

Sharda International Africa (PTY) LTD

Reg. No./Reg. Nr. 2010/002268/07

P. O. Box/Posbus 82021, Southdale, 2135

Tel: 031-764-3011

UN No./VN Nr. 1993

AKTIEWE BESTANDDEEL

Piripoksifen(fenieleter) 100 g/l

BATCH NO. LOT NR.	
EXPIRY DATE VERVAL DATUM	

Contents/Inhoud

5ℓ

WARNINGS

- May be fatal if swallowed and enters airways.
- Causes mild skin irritation
- Causes serious eye damage.
- May cause drowsiness or dizziness.
- Toxic to aquatic life with long lasting effects.
- **Withholding periods: Allow the following minimum number of days between the last application and harvest of the crop.Citrus (oranges) preventive applications – 90 days,Mangoes 60 days.**
- Handle with care
- Keep out of reach of children,uninformed persons and animals.
- Store away from food and feedstuff.
- FLAMMABLE-Do not store or handle near open flame.
- Re-entry:Do not enter the treated area within 1 day after application unless wearing protective clothing.
- In case of poisoning call medical doctor and make this label available to him/her.

Although this remedy has been 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 and the occurrence of resistance of the weeds 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 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

- Avoid breathing dust/fume/gas/mist/ vapours/spray.
- Avoid release to the environment.
- Wear eye protection/face protection.
- IF SWALLOWED: Get emergency medical help immediately.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If skin irritation occurs: Get medical help.
- Do NOT induce vomiting.
- Collect spillage.
- Store locked up.
- Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can disposed of as non-hazardous **wast**.
- Do not inhale fumes of the insecticide concentrates or spray mist.
- **Wear protective clothing**(overall,rubber boots,gloves and face shield) when handling the concentrate.
- Do not eat,drink or smoke whilst handling this product or before washing hands and face.
- After use and/or accidental skin contact,wash thoroughly with soap and water.
- Was contaminated clothing after use.
- Prevent the contamination of food,feedstuff,eating utensils and drinking water.
- Prevent spray mist drift onto other crops,grazing,rivers,dams or areas not under treatment.
- Clean the spray equipment after use and dispose of the wash water where it will not contaminate crops,grazing or any other water sources.
- Triple rinse the empty container in the following manner:Invert the empty container over the spray tank and allow to drain for 30 seconds:after the flow slowed to a drip rinse the empty container three times with a volume of water equal to a minimum of 10% of that of the container by perforation and flattening and do not use for any other purpose.

RELEVANT SUBSTANCES:

Components	%
Pyriproxfen	< 10
2-ethylhexan-1-ol	< 5
Calcium dodecyl benzene sulphonate	< 3
Hydrocarbons, C10, aromatics, <1% naphthalene	< 80

SYMPTOMS OF HUMAN POISONING

This product may cause irritation of eyes, nose and/or skin.

FIRST AID TREATMENT

Remove the patient from the source of poisoning and keep him/her quiet and reassured.
In the case of skin contact,wash with plenty of soap and water.
In the case of eye contact, flush with water for at least 15 minutes.
If swallowed do not make person vomit. Call a doctor immediately and make this label available to him/her.

NOTE TO THE PHYSICIAN

Give the patient copious amounts of water and treat symptomatically.

RESISTANCE WARNING

For resistance management **FREDO** is a group code **7C** insectide. Any insect population may contain individuals naturally resistant to **FREDO** and other group code **7C** insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. **FREDO** or any other group code **7C** insecticide may not control these **resistent** insects.
To delay insecticides resistance:
• Avoid exclusive repeated use of insecticides from the same insecticide group code.
• Alternate or tank mix products from different insecticide group codes.
Integrate other control methods (chemical, cultural, biological) into insect control programmes.
For specific information or resistance management contact the registration holder of this product.

USE RECOMMENDATIONS

Ensure complete spray droplet cover of the trees.
Combine this treatment with an ant control programme.
It is recommended to only to apply irrigated healthy trees.
Do not spray when the air temperature exceeds 30 °C.
The addition of mineral oil to **FREDO** may detrimentally affect fruit colouring and yield in citrus and mangoes.

Biological Control

- Hymenoptera scale parasites(*Aphytis holoxanthus* and *A. Lingnanensis*) can be released in orchards after a **FREDO** spray.
- The coccinellid mealybug predator (*Cryptolaemus montrouzien*) can be released in **FREDO** treated orchards 45 days after spraying **FREDO**.
- Late **FREDO** sprays may have a negative effects on some coccinellid predators.

DIRECTIONS FOR USE - USE ONLY AS DIRECTED

Compatibility

FREDO is compatible with mineral spray oils.

Mixing Instructions

Half fill the spray tank with clean water, add the required amount of **FREDO** followed by the required amount of oil. Make up to the required volume with water. Ensure thorough agitation during mixing and spraying. Spray after mixing and do not allow the spay mixture to stand for any length of time.

Application Instructions

Apply as a full cover spray to the trees. Ensure that the entire tree (trunk, branches, leaves, fruit) is thoroughly covered by the **FREDO** spray mixture.
Regular scouting of red scale in orchards will determine the number of treatments required to prevent citrus red scale movement to fruit.

NOTE: **FREDO** only controls the immature stages of the insects. Mature red scale on the citrus fruit will not be controlled.

CROP/AREA/SITUATION	DOSAGE PER 100 € WATER	REMARKS
CITRUS(Oranges) Red Scale (<i>Aonidiella aurantii</i>) Limpopo Province, Mpumalanga Lowveld, North West Province, Northern Cape	Preventive Sprays	Preventive Sprays: Little or no scale on the fruit during the previous summer and at harvest, and live scale difficult to find on the tree framework.
A. Red Scale under		
Commercial control – Apply two sprays	1st spray 30mℓ FREDO + 300mℓ mineral oil 2nd spray 30mℓ FREDO + 200mℓ mineral oil OR 30mℓ FREDO + 200mℓ mineral oil	Apply as full cover spray as soon as crawler movement is noticed (usually at bud burst),but not before 15 August. Apply as a full cover spray at 80 – 100% petal drop or shortly thereafter(5 to 8 weeks after the first spray.) Following a season of two or three sprays that gave a commercially clean orchard: Apply as a full cover spray at 80 – 100% petal drop. Only use this application if there are no harsh thripicides in the spray programme. Scout orchards thoroughly and treat with a mineral oil in summer if necessary.
OR Single maintenance spray		
B. Red Scale not under Commercial control	1st spray 30mℓ FREDO + 300mℓ mineral oil 2nd spray 30mℓ FREDO + 200mℓ mineral oil 3rd spray 30mℓ FREDO + 300mℓ mineral oil	Scale densities vary from moderate infestations on the branches and crop to severe infestations where the trees are in a state of terminal decline. Apply as a full cover spray as soon as crawler movement is noticed (usually at bud burst)but not before 15 August. Apply as a full cover spray at 80 – 100% petal Drop or shortly thereafter. Apply as a full cover spray in late November or early December.
Eastern Cape & Western Cape A. Red Scale under Commercial control Apply two sprays	Preventive Sprays	Preventive Sprays: Little or no scale on the fruit during the previous summer and at harvest, and live scale difficult to find on the tree framework. Apply as a full cover spray as soon as the first crawler movement is noticed (uasually at 80 – 100% petal drop) Apply as a full cover spray in December to early January (5 to 8 weeks after the first spray)
OR Single maintenance Spray	1st spray 30mℓ FREDO + 200mℓ mineral oil 2nd spray 30mℓ FREDO + 500mℓ mineral oil OR 30mℓ FREDO + 200mℓ mineral oil	Only use following a season of two or three FREDO sprays that gave a commercially clean orchard. Apply as a full cover spray at 80 – 100% petal drop. Only use this application where no harsh thripicides are included in the spray programme. Scout orchards thoroughly and treat with a mineral oil in summer if necessary.
B. Red Scale not under Commercial control	1st spray 30mℓ FREDO + 300mℓ mineral oil 2nd spray 30mℓ FREDO + 200mℓ mineral oil 3rd spray 30mℓ FREDO + 500mℓ mineral oil	Scale densities can vary from a moderate infestation on the branches and fruit to severe infestatton where the trees are in a state of terminal decline. Apply as a full cover spray when first crawler movement is noticed or in August. Apply as a full cover spray at 80 – 100% petal drop. Apply as a full cover spray in December to January.
MANGOES Mango Scale (<i>Aulacaspis tubercularis</i>)	50mℓ FREDO OR 30mℓ FREDO + 200mℓ medium Spray oil	Apply as a single full cover spray after flowering in October.See the restrictions on the use of spray oil under: USE RECOMMENDATIONS.