



CAUTION/VERSIGTIG  
KEEP OUT OF REACH OF CHILDREN / HOU BUIE BEREIK VAN KINDERS

# SPIRAL

Reg. No L10492 Act No. 36 of 1947 | Reg. Nr L10492 Wet Nr. 36 van 1947

Spiral is a suspension concentrate acaricide for the control of various mite pests on citrus.

Spiral is 'n kontak suspensie konsentraat mytdoder vir die beheer van verkseie mytplae op sitrus.

## GROUP D INSECTICIDE ACTIVE CONSTITUENTS:

Spirodiclofen 240 g/l

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE OR OPENING**  
**BELANGRIK: LEES AANGEHEGTE PAMFLET VOOR GEBRUIK OF OOPMAAK**

Registration Holder / Registrasiehouer

**Sharda International Africa (Pty) Ltd**

Co Reg. No. 2010/002268/07

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## GROEP D INSEKDODER AKTIEWE BESTANDDELE:

Spirodiklofen 240 g/l

BATCH NUMBER LOT NOMMER	
DATE OF MANUFACTURE DATUM VAN VERVAARDIGING	

Net Volume /  
Netto Volume

1L



CAUTION  
VERSIGTIG



**WARNINGS:**

- **CITRUS:** DO NOT APPLY **SPIRAL** WITHIN 14 DAYS OF HARVEST

**NOTE:** The recommended withholding period between last application and harvest meets local residue requirements but may not meet export requirements. If the treated crop is intended for the export market, consult the relevant exporting body regarding pre-harvest interval and maximum residue limit requirements of countries to which the produce will be exported.

- **EFFECT ON BENEFICIAL INSECTS:**

- Citrus:**

- Aphytis lingnanensis* - Harmless

- Chilocorus nigritus* - Slightly harmful

- Coccidoxenoides peregrinus* - Harmful/Slightly harmful *Euseius citri* - Harmless

- Trichogrammatoidea cryptophlebiae* - Harmless Bees - Harmless

- Harmful when absorbed through the skin or swallowed or inhaled. • Toxic to fish.

- Store in a cool place away from food and feedstuffs.

- Keep out of reach of children, uninformed persons and animals.

- **RE-ENTRY:** Do not enter treated area until spray deposit has dried, unless wearing protective clothing.

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 SOIL, CLIMATIC, AND STORAGE CONDITIONS; QUALITY OF DILUTION WATER, COMPATIBILITY WITH OTHER SUBSTANCES NOT INDICATED ON THE LABEL AND THE OCCURENCE OF RESISTANCE OF THE DISEASE TO THE REMEDY CONCERNED AS WELL AS BY THE METHOD, TIME AND ACCURACY OF APPLICATION. THE REGISTRATION HOLDER FURTHER 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 OCCURENCE 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 fumes or spray mist.
- Wear a face shield when handling concentrate.
- Wash contaminated clothing daily.
- Wash with soap and water after use.
- Do not eat, drink or smoke whilst mixing, applying or before washing hands and face.
- Avoid drift of spray on to other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator after use, dispose of wash water where it will not contaminate crops, grazing, rivers and dams.
- Rinse empty container three times with a volume water equal to at least one tenth of that of the container and add the rinsings to the contents of the spray tank before disposing of the container in the prescribed manner.
- Destroy empty container by perforation and flattening and never use for any other purpose.
- Prevent contamination of food, feedstuffs, drinking water and eating utensils.

**RESISTANCE MANAGEMENT:**

For resistance management, **Spiral** is a group code 23 acaricide. Any mite population may contain individuals naturally resistant to **Spiral** or any other group code 23 acaricide. The resistant individuals can eventually dominate the mite population if this acaricide or any group code 23 acaricide is used repeatedly. These resistant mites may not be controlled by **Spiral** or any other group code 23 acaricide.

To delay mite resistance:

- Avoid exclusive repeated use of acaricides from the same acaricide group code. Alternate with products from different acaricide group codes. Do not apply **Spiral** more than once per year on citrus.
- Integrate other control methods (chemical, cultural, biological) into mite control programmes.

**For specific information on resistance management contact the registration holder of this product.**

**DIRECTIONS FOR USE: USE ONLY AS DIRECTED****Poisons Helpline: 0861 555 777 MIXING INSTRUCTIONS:**

Pour the required quantity of **Spiral** into the water while agitating.

Constant agitation must be maintained throughout the spraying process. Do not allow the **Spiral** mixture to stand any length of time before using. Do not use brackish water.

**USE RESTRICTIONS:**

Do not apply more than once per season.

**APPLICATION INSTRUCTIONS:**

**Spiral** is a non-systemic acaricide and is active by contact against all developmental stages of mites, including the eggs. **Spiral** should be applied when mite populations are building up. Thorough coverage of the leaf surfaces (upper and lower) and of the fruit are therefore essential to ensure long lasting efficacy.

CROP/ DESEASE	DOSAGE RATE	REMARKS
<b>CITRUS:</b> EXCLUDING LEMONS AND KUMQUAT Citrus red mite ( <i>Panonychus citri</i> ), Flat mite ( <i>Brevipalpus californicus</i> ) and Lowveld mite ( <i>Eutetranychus orientalis</i> )	10 ml / 100 l water	Apply as a medium cover spray at the first indications of an infestation. Thorough coverage of the fruit and leaves are important. Do not apply more than once per season.

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