

Read the label before opening the container.

For full particulars, see enclosed leaflet.

Selefos

South Africa Reg. No: L 6950 Act No. 36 of 1947

An emulsifiable concentrate insecticide with contact stomach and translaminar action for control of various insects on citrus, table and wine grapes, potatoes and tomatoes as listed.

IRAC INSECTICIDE GROUP CODE: 1B

ACTIVE INGREDIENT:

Profenofos (Organophosphate) refined grade500g/l

Product Information Tel no: 072 678 8226

In case of poisoning: 082 446 8946

www.envirobiochem.co.za

Expiry Date:

Batch No:

Date of Manufacture:

UN No. 3017

enviro
bio-chem

Registration holder:

Erintrade CC t/a RT Chemicals

Reg. No: CK 2001/036403/23

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HARMFUL
SKADELIK



WARNINGS:

Withholding Period::

Allow the following number of days between last treatment and harvest for the crops listed below:

Citrus	60 days	Potatoes	14 days
Tomatoes	4 days		

- Handle with extreme care.
- Poisonous by swallowing.
- Can cause irritation to eyes, nose, throat and skin.
- Keep out of reach of children, uninformed persons and animals.
- Store in a cool place under lock and key, away from food, feed, fertilizer and seed.
- Do not treat drought stressed orchard trees.
- Use appropriate acidifier to adjust pH of water.
- Remove lemon fruit larger than golf ball size before application.
- Toxic to fish, bees and wildlife.
- **Flammable:** keep away from heat, sparks and open flames.
- **Re-entry:** Do not enter the treated field within 1 day of spraying unless wearing protective clothing.
- **Aerial application:** Notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate adjacent areas or water sources.

Although this insecticide 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 effected 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 occurrence of resistance of the weed against the herbicide concerned 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 in event of any uncertainty.

PRECAUTIONS:

- Do not inhale fumes or spray mist.
- Avoid contact with skin and eyes.
- Wear protective clothing when handling the concentrate (eye protection, rubber boots, gloves).
- Wash with soap and water after use.
- Wash contaminated clothing thoroughly before re-use.
- Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and change of clothing.
- Prevent contamination of food, feedstuff, eating utensils and drinking water.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams or areas not under treatment.
- Rinse empty container three times with a volume of water equal to a minimum of 10% of that of the container.
- Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy empty container by perforation and flattening and never use for any other purpose.

RESISTANCE WARNING:

For resistance management **SELEFOS** is a **group code 1B** insecticide. Any insect population may contain individuals naturally resistant to **SELEFOS** and other **group code 1B** insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. **SELEFOS** or any other **group code 1B** insecticides may not control these resistant insects.

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 other control methods (chemical, cultural, biological) into insect control programmes.

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

SYMPTOMS OF HUMAN POISONING:

Typical of organophosphate pesticide poisoning – nausea, diarrhoea, excessive salivation, stomach cramps, excessive sweating, trembling, muscular twitches, confusion, blurred vision, breathing difficulties, rapid pulse, pinpoint pupils.

FIRST AID TREATMENT:

- EYES:** Flush eyes immediately with large amounts of clean water for approximately 15 minutes. Occasionally lift the upper and lower lids. If eye irritation persists, get medical attention.
- SKIN CONTACT:** Remove contaminated clothing and shoes. Wash thoroughly with soap and lots of water.
- INHALATION:** Remove patient to a well-ventilated area and loosen clothing around the neck. Do not give mouth to mouth. Apply artificial respiration if necessary.
- INGESTION:** Do not induce vomiting. Give large quantities of water to drink.

OTE TO PHYCISIAN:

Treat as a cholinesterase. Atropine sulphate is antidote.

DIRECTIONS FOR USE: Use only as directed

Compatibility:

SELEFOS is compatible with most insecticides and fungicides of neutral reaction. It is however not compatible with copper based products, sulphur or captab. Compatibility of **SELEFOS** may be influenced by the formulation of products involved as well as water quality. Since formulations may change and water quality may vary from farm to farm, a physical compatibility test should be carried out prior to applications.

Mixing instructions:

Fill the spray tank almost to capacity with clean water and adjust the pH of the water to 4.5 using RT Buff (Reg.No L 5777, Act No. 36 of 1947) or a suitable buffer or acidifier. Add the recommended quantity of **SELEFOS** into the spray tank with agitation. Continue agitating during filling-up and while spraying. After spraying thoroughly flush out the spraying equipment with clean water.

Application instructions:

Ground application:

Ensure the applicator is correctly calibrated.

On citrus use only high pressure, high volume applicators.

Aerial application:

Aerial application of SELEFOS may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SABS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- Volume: A spray mixture volume of 30ℓ per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- Droplet coverage: 30 to 40 droplets per cm² must be recovered on the target area.
- Droplet size: A droplet spectrum with a VMD of 250 to 280 microns is recommended. Limit the production of fine droplets of less than 150 microns (high drift and evaporation potential) to a minimum.
- Flying height: Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible relative span.
- Position all the atomisers within the inner 60 to 75% of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.
- Stop spraying if the wind speed exceeds 15km/h.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80% and above) may lead to the following:
 - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.
- Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

CROP/PEST	DOSAGE	REMARKS
WINE GRAPES Grapevine mealybug (<i>Planococcus ficus</i>)	100mℓ/100ℓ water	Dormant spray – apply twice with a 14 day interval prior to bud burst. Do not apply after bud burst, especially not after bloom to avoid any risk of wine tainting. Apply as a high volume complete cover spray directed at the vine trunk and branches. (Use 1.5 - 2ℓ spray mixture per vine)

CROP/PEST	DOSAGE	REMARKS
CITRUS African bollworm (<i>Helicoverpa armigera</i>) Citrus red mite (<i>Panonychus citri</i>) Black citrus aphid (<i>Toxoptera citricidus</i>)	A winter oil application must never be followed by a SELEFOS application 50mℓ/100ℓ water	<ul style="list-style-type: none"> • Apply at 20 to 90% petal drop. • Apply medium volume cover spray. • 6 to 7 ℓ spray mixture for every 1 metre tree diameter or 1 metre tree height above the skirt.
Thrips (<i>Scirtothrips aurantii</i>) Psylla (<i>Trioza erytrae</i>)	75mℓ/100ℓ water	When using a mist blower for the control of these pests, the concentration of the spray mixture must be increased according to the decrease in the spray volume. <ul style="list-style-type: none"> • Thrips must again be treated approximately 3 weeks later using a registered thripicide. • Monitor the orchards and spray when the threshold level for thrips damage is surpassed.
Mealybugs (<i>Planococcus sp</i>) (<i>Pseudococcus sp</i>) (<i>Paracoccus sp</i>) Citrus rust mite (<i>Phyllocoptruta oleivora</i>)	100mℓ/100ℓ water	<ul style="list-style-type: none"> • Apply at 20 to 90% petal drop. • Apply full cover spray: 10 to 12ℓ spray mixture for every 1 metre tree diameter or 1 metre tree height above the skirt.
TABLE GRAPES Grapevine mealybug (<i>Planococcus ficus</i>)	100 - 125mℓ/100ℓ water	Early spring spray ONLY . Apply twice with a 14 day interval prior to the beginning of flowering. The second spray must be applied just before flowering starts. NOTE: <ol style="list-style-type: none"> 1. Use the lower rates for maintenance or low pest pressure and the higher rate for heavy infestation. 2. Use handgun type high volume spray equipment and drench vines individually to ground level. 3. Use a minimum of 4ℓ spray mixture per vine. 4. For follow-up sprays after flowering use another suitable registered insecticide.
POTATOES Aphids (<i>Macrosiphum euphorbiae</i>) (<i>Myzus persicae</i>)	750mℓ/ha	Apply as a full cover spray when aphids are noticed. Repeat as necessary at 7 to 10 day intervals.
Tuber moth (<i>Phthorimaea operculella</i>)	1ℓ/ha	Do not use in the Western Cape. Apply when 10% of growth points are infested. Aerial application: apply in 30ℓ/ha.

CROP/PEST	DOSAGE	REMARKS
TOMATOES African bollworm (<i>Helicoverpa armigera</i>) Potato tuber moth (<i>Phthorimaea operculella</i>) Tomato semi-looper (<i>Chrysodeixis acuta</i>)	750 - 1 000mℓ/ha	Not for use in greenhouses and tunnels. Apply a suitable volume depending on plant size. Apply at the first sign of infestation and repeat at 7 to 10 day intervals as long as pest remains active. <u>High volume spray:</u> Ensure thorough wetting. Use lower rate for plants up to 600mm in up to 500ℓ water/ha and the higher rate for plants larger than 600mm in up to 1 500mℓ water/ha.
Thrips and Aphids (<i>Thrips tabaci</i>) Green peach - aphid (<i>Myzus persicae</i>)	500 - 750mℓ/ha	<u>Low volume spray (mist blower):</u> Ensure through coverage of plants. Use lower rate in up to 250ℓ water/ha for plants up to 600mm high and the higher rate in up to 500ℓ water/ha for plants higher than 600mm.
Leaf miner (<i>Liriomyza trifolii</i>) Red spider mite (<i>Tetranychus spp</i>)	1 – 1.5ℓ/ha	