TRICHLORFON 950 SP

Reg. No.: L 6686 Act /Wet No. 36 of/van 1947

A water soluble powder contact and stomach poison insecticide powder for the control of pests indicated on crop listed.

‘n Wateroplosbare poeier kontak- en maag insekdoder vir die beheer van plae aangedui op gewasse genoem.

<table>
<thead>
<tr>
<th>IRAC INSECTICIDE GROUP CODE:</th>
<th>1B</th>
<th>IRAC INSEKDOEDERGROEP KODE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE INGREDIENT/ AKTIEWE BESTANDDEEL:</td>
<td></td>
<td>................. 950 g/kg</td>
</tr>
<tr>
<td>trichlorfon (organophosphate) / trichlorfon (organofosfaat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Registration holder / Registrasiehouer:
Tsunami Plant Protection (Pty) Ltd trading as ARYSTA LifeScience South Africa (Pty) Ltd
7 Sunbury Office Park,
Off Douglas Saunders Drive, La Lucia Ridge,
South Africa, 4019
Tel: 031 514 5600

Batch No. / Lot Nr.: 

Date of manufacture: / Datum van vervaardiging:

U.N. No. 2783

READ THE LABEL IN DETAIL BEFORE OPENING THE CONTAINER. / LEES DIE ETIKET VOLLEDIG VOORDAT DIE HOUER OOPGEMAAK WORD.
For full particulars, see enclosed leaflet. / Vir volledige besonderhede, sien ingeslote pamflet.
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CAUTION / VERSIGTIG

WARNINGS:

• Withholding periods: Allow the following days between the last application and harvest:

<table>
<thead>
<tr>
<th>Crop Type</th>
<th>Withholding Period</th>
</tr>
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<tbody>
<tr>
<td>Citrus, deciduous and tropical fruit, cucurbits (bait application)</td>
<td>10 days</td>
</tr>
<tr>
<td>Tomatoes</td>
<td>3 days</td>
</tr>
<tr>
<td>Brassicae, coffee</td>
<td>7 days</td>
</tr>
<tr>
<td>Lucerne, grazing</td>
<td>2 days</td>
</tr>
</tbody>
</table>

• Handle with care.
• Harmful if swallowed and inhaled.
• Mild irritant to skin and eyes.
• Very toxic to fish and aquatic organisms.
• Store in a cool, dry place, away from food, feedstuffs and other agricultural remedies.
• Keep out of reach of children, uninfomed persons and animals.
• Re-entry: Do not enter treated area, until spray deposit has dried 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 water and adjacent areas.

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 occurrence of resistance of the pest 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 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 dust or spray mist.
• Avoid skin and eye contact.
• Wear protective clothing, suitable face shield, rubber gloves and rubber boots when handling and mixing the product and whilst applying the spray mixture.
• Wash with soap and water after use and accidental skin contact.
• Wash contaminated clothing after use.
• Do not eat, drink or smoke while mixing or applying the product or before washing hands and face and changing clothing.
• Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
• Clean application equipment after use. Dispose of wash water where it will not contaminate crops, grazing, rivers, dams and boreholes.
• Containers and packages must be completely emptied before being disposed of. Shake out thoroughly into the mixing tank and destroy the empty container/package thereafter. Destroy the empty container/package by perforation and burying it.
• **Never** re-use the empty container/package for any other purpose. Do not burn the empty container/package.
• Prevent contamination of food, feed, drinking water and eating utensils.

**RESISTANCE WARNING:**
TRICHLORFON 950 SP is a group code **1B** insecticide. Any insect population may contain individuals naturally resistant to TRICHLORFON 950 SP and other group code **1B** insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by TRICHLORFON 950 SP or any other group code **1B** insecticide.

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

**DIRECTIONS FOR USE:** Use only as directed.

**Mixing Instructions:**
- Half fill the spray tank with clean water.
- Measure out the required quantity of THIRAM 75 WP and premix this with at least 10 litres of clean water to a smooth slurry.
- Agitate the water in the spray tank and add the premixed product to the tank.
- Fill the spray tank with water to the required volume, while maintaining agitation to ensure thorough mixing.
- Maintain agitation during spraying.
- Use the prepared mixture immediately.
- Do not allow to stand overnight.

**Application Instructions:**
- Application apparatus must be in good working order and correctly calibrated.
- Ensure good coverage of plants when applying.

**Aerial application:**
Aerial application of TRICHLORFON 950 SP may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SANS 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 30 litre 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 at the target area.
- **Droplet size**: A droplet spectrum with a VMD of 250 to 280 microns is recommended. Limit the production of fine droplets 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 15 km/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:
  a) reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
  b) 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.

**APPLICATION DOSAGE RATES:**

<table>
<thead>
<tr>
<th>CROP/PESTS:</th>
<th>DOSAGE:</th>
<th>REMARKS:</th>
</tr>
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<tbody>
<tr>
<td>CITRUS-, SUBTROPICAL AND DECIDUOUS FRUIT Fruit fly</td>
<td>50 g + 8 kg sugar or protein hydrolystate as described / 100 ℓ water</td>
<td>Apply as a coarse spray (large droplets) to the foliage at weekly intervals or sooner if it rains. The dosage rate depends on the size of the tree.</td>
</tr>
<tr>
<td>CUCURBITIS Pumpkin fly</td>
<td>50 g + 8 kg sugar / 100 ℓ water</td>
<td>Commence baiting when flowers appear and repeat every week and after rain. Apply the bait as a coarse spray (large droplets) using a suitable apparatus, brushwood broom or large whitewash brush. Apply 40 ℓ bait / ha.</td>
</tr>
<tr>
<td>CARNATIONS Carnation worm</td>
<td>100 g/100 ℓ water</td>
<td>Commence spraying as soon as infestation is noticed and repeat at weekly intervals or sooner if it rains until infestation is brought under control. Thorough wetting is necessary.</td>
</tr>
<tr>
<td>ALL CRPOS Cutworm</td>
<td>60 g + 20 kg maize meal or bran + 25 ℓ water</td>
<td>Apply the moistened bait by hand. Use rubber gloves or other suitable means to apply as uniformly as possible at the rate of 20 kg / ha, late in the afternoon. The bait should preferable be applied after planting but before emergence of the plants.</td>
</tr>
<tr>
<td>TOMATOES Semi (plusia) looper</td>
<td>100 g / 100 ℓ water</td>
<td>Commence spraying as soon as the young fruitlets appear on the plants and repeat at weekly intervals. The plants must be thoroughly wetted.</td>
</tr>
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<tr>
<td><strong>LUCERNE</strong></td>
<td></td>
<td><strong>LUCERNE</strong>&lt;br&gt;Lucerne caterpillar 50 g/100 ℓ water Apply 500 ℓ of spray mixture / ha as soon as infestation is noticed. Repeat as necessary.</td>
</tr>
<tr>
<td><strong>LAWNS</strong></td>
<td></td>
<td><strong>LAWNS</strong>&lt;br&gt;Lawn caterpillar 30 g / 10 ℓ water / 100m² Apply as soon as infestation is noticed.</td>
</tr>
<tr>
<td><strong>MANURE HEAPS</strong></td>
<td></td>
<td><strong>MANURE HEAPS</strong>&lt;br&gt;Fly maggots 100 g/100 ℓ water Apply as a full cover spray using about 2 ℓ spray mixture / m²</td>
</tr>
<tr>
<td><strong>GRAZING</strong></td>
<td></td>
<td><strong>GRAZING</strong>&lt;br&gt;Army worm 150 g/ha Low volume: apply in 200 ℓ water/ha. Aerial application: apply in 30 ℓ water/ha. Spray when infestation is noticed and apply as uniformly as possible over the entire infested area.</td>
</tr>
<tr>
<td><strong>CRUCIFERAE</strong></td>
<td></td>
<td><strong>CRUCIFERAE</strong>&lt;br&gt;Diamond back moth larvae 150 g/100 ℓ water Spray at weekly intervals, and apply 250 – 1 500 ℓ spray mixture / ha, depending on the size of the plants.</td>
</tr>
<tr>
<td><strong>COFFEE</strong></td>
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<td><strong>COFFEE</strong>&lt;br&gt;Antestia bug 100 g / 100 ℓ water Apply 500 ℓ of spray mixture / ha as a full cover spray. Spray prior to main bloom period and repeat after two weeks.</td>
</tr>
<tr>
<td>Leaf miner</td>
<td></td>
<td><strong>Leaf miner</strong> 100 g / 100 ℓ water Apply 500 ℓ of spray mixture / ha when insects appear, and repeat at 10 – 14 day intervals.</td>
</tr>
<tr>
<td>Fruit fly</td>
<td></td>
<td><strong>Fruit fly</strong> 50 g + 8 kg sugar or protein hydrolystate as described / 100 ℓ water Apply as a coarse spray (large droplets) to the foliage at weekly intervals or sooner if it rains. The dosage rate depends on the size of the tree.</td>
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