

READ THE LABEL BEFORE USE. KEEP OUT OF REACH OF CHILDREN AND ANIMALS.



Insecticide

# TARTAR EMETIC SP

Reg. No. L 4479 Act No. 36 of 1947  
W 1301634

5: 17/01/2023 – Feb2024

A water-soluble salt to be sprayed onto citrus in a bait for control of Thrips.

## ACTIVE INGREDIENT

tartar emetic

995 g a.i./kg

GROUP

8E

INSECTICIDE



### Hazard Statements:

Harmful if swallowed.

Harmful if inhaled.

Toxic to aquatic life with long lasting effects.

### Precautionary Statements:

Wash hands and face thoroughly after handling.

Avoid breathing dust, fume, gas, mists, vapours or spray.

Avoid release to the environment.

WARNING

kg

**villa**



UN Number: 1551

Registration holder: UNIVERSAL CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1983/008184/07

65 Botes Road, Glen Marais, Kempton Park, 1619

Tel. (011) 396 2233

Website: [www.villacrop.co.za](http://www.villacrop.co.za)

IN CASE OF POISONING / 24 HR EMERGENCY NUMBERS:

Griffon Poison Information Centre (National) : +27 82 446 8946

Poison Information Helpline (National): +27 861 555 777

24 Hr Transport / Spill emergency no: (Hazcall24) +27 86 044 4411

(Client: Villa Crop Protection)

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number:

Date of Manufacture:

**TARTAR EMETIC SP**

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IRAC INSECTICIDE GROUP CODE: 8E

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**Withholding period:**

Minimum time between last application and harvest:	
Citrus	30 days

**NOTE**

ABOVE-MENTIONED WITHHOLDING PERIODS REFER TO COMPLIANCE WITH LOCAL MAXIMUM RESIDUE LIMITS (MRL'S). HOWEVER, IT IS IMPORTANT TO NOTE THAT IMPORT TOLERANCES OF OTHER COUNTRIES MIGHT POSSIBLY BE EXCEEDED. IF THE TREATED CROP WILL BE EXPORTED, FIRST CONSULT THE RELEVANT IMPORTER OR EXPORTING BODY REGARDING THE USE OF THIS PRODUCT, MRL'S AND RECOMMENDED WITHHOLDING PERIODS.

**Hazard statements:**

Harmful if swallowed.
Harmful if inhaled.
Toxic to aquatic life with long lasting effects.

- Do not apply to citrus during springtime when fruit of the past season are still on the tree.
- Handle with extreme care.
- Do not apply when bees are active.
- To protect fish and wildlife, do not contaminate rivers and dams.
- Store in a cool, dry well-ventilated place in the original container tightly closed.
- Store under lock and key away from food, feeds, seed, fertilizers and other agricultural remedies.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area within 1 day after treatment unless wearing protective clothing.
- **In case of poisoning call a doctor and make this label available to him/her.**

**Aerial application**

Notify all inhabitants in the immediate vicinity of the lands to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water or 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 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****Precautionary statements:**

Avoid breathing dust, fume, gas, mists, vapours or spray.
Wash hands and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.

IF SWALLOWED: Get medical help.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Rinse mouth.
Collect spillage.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Do not inhale spray mist.
- Wear suitable protective clothing, gloves, boots and a face shield when handling, preparing and applying the spray mixture.
- Avoid contact with skin, hair and eyes.
- Do not blow blocked pipes open, by mouth.
- Wash with soap and water after use or after accidental skin contact.
- Wash contaminated clothing after use.
- Prevent drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Do not eat, drink or smoke whilst spraying or before washing hands and face and change of clothing.
- Clean application equipment after use. Do not dispose of wash water where it can contaminate other crops, grazing, rivers or dams.
- Containers and packages must be completely emptied before being disposed of. Shake out thoroughly into the mixing tank and destroy the empty container thereafter.
- **CLEAN THE EMPTY PLASTIC BAG AS FOLLOWS:** Turn the bag inside out. Hold the bag over the spray or mixing tank and rinse the bag with running water for thirty seconds. Shake the rinsate off into the tank. Repeat the rinsing twice. Cut the bag into pieces and dispose of via an approved collector or recycler ([www.croplife.co.za](http://www.croplife.co.za)). Do not bury, burn or donate the bag to any other parties that may use it as container for foodstuffs.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feed, drinking water and eating utensils.

Relevant hazardous components	
Tartar emetic	995 g/kg

### **SYMPTOMS OF HUMAN POISONING**

Burning pains in esophagus and stomach, nausea, vomiting, water or bloody diarrhoea, dehydration with intensive thirst and muscular cramps, occasional convulsions, feeble pulse, cold clammy skin and coma.

### **FIRST AID TREATMENT**

- In case poisoning is suspected: Remove the patient from the source of poisoning to a well-ventilated area and keep him/her calm and at rest. **Call a physician immediately.** Keep the airway clear to maintain respiration, particularly when the patient is unconscious or has vomited. Do not apply direct mouth-to-mouth respiration.
- Skin contact: Remove contaminated clothing and rinse contaminated body area thoroughly with plenty of cold water and non-abrasive soap. Do not rub the skin. **Get medical attention if irritation persists.**
- Eye contact: Immediately flush eyes with gently flowing cold water or saline solution for 15 to 20 minutes, holding the eyelid(s) open. **Seek medical advice if irritation persists.**
- Ingestion: **Seek medical advice immediately.** If swallowed, induce vomiting by tickling the back part of the throat. Repeat until vomit fluid is clear and free from smell of poison. Administer artificial respiration or closed chest cardiac massage if necessary. **Never** give anything by mouth to an unconscious person.

### **NOTE TO PHYSICIAN**

In case of severe poisoning B.A.L. 3 to 4 mg per kg by deep intramuscular injection every 4 hours for 2 days; next day every 6 hours and thereafter every 12 hours until recovery. Administer intravenous fluids to correct dehydration and electrolyte balance.

**Mode of action: TARTAR EMETIC SP** chemically reacts, non-specifically, with reactive groups on proteins and other biochemicals.

### **RESISTANCE WARNING**

**TARTAR EMETIC SP** is a group code 8E insecticide. Any insect population may contain individuals naturally resistant to **TARTAR EMETIC SP** and other group code 8E insecticide. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **TARTAR EMETIC SP** or any other group code 8E 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 other 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.**

- Control Thrips in bearing citrus orchards by means of a light spray aimed at the outer foliage of the tree during 80 to 100 % petal drop.
- It is important to follow this timing direction, because the first and the second stage larvae cause most damage; feeding under the sepals (calyx) when the fruit is pea size.
- Also spray adjacent wild shrubs, because the citrus Thrips has a wide host range.
- This bait is easily washed off by rain. Do not spray, therefore, when rain is expected. Should it rain within 2 days from spraying, repeat the application.
- If weather remains favourable to the development of Thrips (warm and dry weather), further applications at 17-day intervals may be warranted.

**Aerial application:**

Aerial application of **TARTAR EMETIC 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 100 litres 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 aurally at a lower volume rate than recommended above.
- Droplet coverage: Apply as a light cover application (50 to 100 droplets / cm<sup>2</sup>).
- Droplet size: A droplet spectrum with a VMD of 300 micron is recommended. Limit the production of fine droplets, less than 150 micron (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 atomizing 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 atomizers 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 per hour.
- Stop spraying when temperature reach 30°C or humidity falls below 50 %.
- 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 RATES**

<b>Spray solution</b>	<b>Remarks</b>
<p style="text-align: center;">400 g <b>TARTAR EMETIC SP</b></p> <p style="text-align: center;"><b>PLUS</b></p> <p style="text-align: center;">400 g <b>Sugar</b> / 100 ℓ water</p>	<p><u>Ground application:</u> Dissolve the two recommended quantities in a bucket half filled with water and pour the solution through a sieve into the filled spray tank. The agitator must be in operation continuously. Do not allow the spray mixture to stand still. Apply about 5 litres of the spray solution per full grown tree.</p>
<p style="text-align: center;">5 kg <b>TARTAR EMETIC SP</b></p> <p style="text-align: center;"><b>PLUS</b></p> <p style="text-align: center;">5 kg <b>Sugar</b></p> <p style="text-align: center;"><b>PLUS</b></p> <p style="text-align: center;">7 ℓ <b>Molasses</b> / 100 ℓ water</p>	<p><u>Aerial application:</u> (Refer to “<b>Aerial Application</b>” instructions above). Apply 100 litres spray mixture per hectare. Due to this high aerial application volume, note the following:</p> <ul style="list-style-type: none"> <li>• Spray in a narrow swath, about half of a normal insecticide swath for the particular type of aircraft (± 10 to 13 metres).</li> <li>• Use the maximum number of large orifice hydraulic nozzles that can be fitted to the spray booms.</li> </ul> <p><b><u>IMPORTANT</u></b> <b>Rotary atomisers (e.g. Micronair) are not suitable</b> for this aerial application due to the high flow rate required through a few atomizer units.</p>