



Fungicide

HOLT 250 SC

Reg. No. L 10876 Act No. 36 of 1947
N-AR 2245 / W 1301633

3: 8/8/2022 – Aug2022

A suspension concentrate fungicide for the control of Stem canker and Black scurf on potatoes.

ACTIVE INGREDIENT

pencycuron (phenylurea) 250 g/l

GROUP

20

FUNGICIDE



WARNING

Hazard Statements:

Causes mild skin irritation.
Causes serious eye damage.
Harmful if inhaled.
Suspected of causing cancer.
Toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

Precautionary Statements:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Avoid breathing dust, fume, gas, mists, vapours or spray.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



villa

UN Number: 3082

Registration holder: UNIVERSAL CROP PROTECTION (PTY) LTD.
Co. Reg. No. 1983/008184/07
P.O. Box 801, Kempton Park, 1620
Tel. (011) 396 2233
Website: www.villacrop.co.za

24 HR EMERGENCY NUMBERS:

Griffon Poison Centre: +27 82 446 8946

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:

HOLT 250 SC

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 FRAC FUNGICIDE GROUP CODE : 20

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WARNINGS**Hazard statements:**

Causes mild skin irritation.
Causes serious eye damage.
Harmful if inhaled.
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Toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

- Do not use treated tubers for food or feedstuffs.
- May be harmful when swallowed.
- Store in a cool, dry, well-ventilated place, away from food, seed and feeds.
- 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 climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease 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 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:**

Obtain, read and follow all safety instructions before use.
Avoid breathing dust, fume, gas, mists, vapours or spray.
Wash hands thoroughly after handling. Do not touch eyes.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
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.
Get medical help.
IF exposed or concerned, get medical advice.
If skin irritation occurs get medical help.
Collect spillage.
Store locked up.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Wash contaminated clothes after use.
- Do not eat, drink or smoke whilst applying or mixing or before washing hands and face or change of clothing.

- Prevent drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Clean applicator after use and dispose of wash water where it will not contaminate food, grazing, rivers or dams.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler www.croplife.co.za. Do not bury, burn, or donate the container to any other parties that may use it as a container for food or beverages.
- Prevent contamination of food, feeds, drinking water and eating utensils.

Relevant hazardous components	
Pencycuron	24.29 %
Sodium dodecyl benzene sulfonate	<10 %
Ethylene glycol	<1 %
Tributyl phosphate	<2 %
HCl	<1 %

FIRST AID TREATMENT

Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. Immediately consult a doctor.

- **Inhalation:** If vapours or mists have been inhaled, and irritation has developed, remove the source of contamination, or move victim to fresh air. The patient should be kept under observation and obtain medical attention if irritation persists.
- **Skin:** Remove contaminated clothing, shoes and leather goods. Wash skin gently and thoroughly with cold water and non-abrasive soap. Application of olive oil to the affected area will afford prompt relief. After the affected area is washed with soap and water, dry off and apply olive oil.
- **Eyes:** Immediately flush eyes with a stream of clean water for at least 15 to 20 minutes, holding the eyelid(s) open. Obtain medical attention if irritation persists. **Seek medical attention.**
- **Ingestion:** Seek medical attention or call a poison control centre for treatment advice. **Do not induce vomiting.** Do not give anything by mouth. Obtain medical attention. If the person is alert, rinse mouth thoroughly with water. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

RESISTANCE WARNING

HOLT 250 SC is a group code 20 fungicide. Any fungus population may contain individuals naturally resistant to **HOLT 250 SC** and other group code 20 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **HOLT 250 SC** or any other group code 20 fungicide.

To delay fungicide resistance:

- avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with products from different fungicide group codes,
- integrate other control methods (chemical, cultural, biological) into disease control programmes.

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

Mode of Action: non-systemic fungicide with protective action through the inhibition of cell division.

DIRECTIONS FOR USE: Use only as directed.

Dip Treatment

- Make a pre-dilution of the required quantity of **HOLT 250 SC** in a bucket with a little water then add to dipping tank to achieve a dilution of 750 ml **HOLT 250 SC** per 100 litres water in the dipping tank.
- Ensure thorough agitation of the dipping tank whilst adding and during dipping operation.

Spray application of tubers and furrow application

- Make a pre-dilution of the required quantity of **HOLT 250 SC** in a bucket with a little water then add to the spray tank to achieve a dilution of 2.0 litres **HOLT 250 SC** per 100 litres water.
- Fill the spray tank a quarter to half full with clean water and start agitating (use mechanical or hydraulic agitation).
- Premix the required amount of **HOLT 250 SC** with a small quantity of water to a slurry.

- Add the slurry to the spray tank while agitating.
- Fill the spray tank with water to the required volume.
- Ensure thorough mixing of the mixture before and while applying.

Tuber treatment (dip or spray) is recommended for the control of *Rhizoctonia* on the crop as well as to protect the soil from *Rhizoctonia* infection which may arise from planting infected tubers.

The combination of tuber and furrow treatment is recommended for additional protection of the crop from *Rhizoctonia* infection already occurring in the soil.

Dip or spray potatoes shortly before planting.

Application instructions:

All spray applications must be performed with suitable equipment that is in good working order and correctly calibrated to give the desired coverage for that particular method of application.

APPLICATION RATES

Crop / Disease	Dosage Rate	Remarks
<u>Seed potatoes tubers</u> Stem canker/black scurf (<i>Rhizoctoria solani</i>)	<u>Dip treatment:</u> 750 ml / 100 l water	<u>Dip treatment:</u> Dip the potato tubers in the HOLT 250 SC suspension for two (2) minutes. <u>NOTE</u> Replenish the dipping tank with the original concentration (i.e., 750 ml per 100 litres water) when necessary. Prepare a fresh suspension in the dipping tank once the water becomes too murky or muddy. Ensure that the tubers are totally submerged in the HOLT 250 SC suspension. Allow the potatoes to dry in the shade before planting.
	<u>Spray application:</u> 2.0 l / 100 l water	<u>Spray application:</u> Apply 4.0 litres HOLT 250 SC suspension per 1000 kg seed potato tubers whilst the tubers pass on the conveyor belt, to ensure good coverage of the tubers. Allow the potatoes to dry in the shade before planting.

Crop / Disease	Dosage Rate	Remarks
<p>Seed potatoes tubers (Continued) Stem canker/black scurf (<i>Rhizoctonia solani</i>)</p>	<p><u>Low volume spray application with the Spraymiser applicator:</u></p> <p>80 ml / 1000 kg tubers in 3 l water</p>	<p><u>Low volume spray application:</u> Apply the HOLT 250 SC suspension with the Spraymiser applicator to the tubers on the roller table. Allow the potatoes to dry in the shade before planting.</p> <p>For further information refer to the “Guidelines for low volume treatment of seed potatoes” obtainable from the ARC-Institute for Agricultural Engineering, Private Bag X519, Silverton, 0127. Tel. (012) 842-4000.</p>
	<p><u>Dip treatment or spray application:</u> (Refer to above)</p> <p>FOLLOWED BY</p> <p><u>Planting furrow application:</u></p> <p>2.0 l / 100 l water</p>	<p><u>Planting furrow treatment:</u> Spray the HOLT 250 SC mixture in the planting furrow from ridge-tip to ridge-tip over the treated tubers after the treated tubers are planted. Use 8006 or 8008 flat fan nozzles and apply 3.0 to 6.0 litres spray mixture per 100 metres furrow length.</p> <p><u>Water volume:</u> It is important that the total ridge surface (ridge-tip to ridge-tip) is covered by the application. Water volume per hectare, to ensure a full cover application, will depend on the ridge size (diameter and depth), row density as well as the spraying equipment.</p> <p><u>WARNING:</u> It is mandatory that the furrow application be preceded by a dip or spray tuber treatment with HOLT 250 SC, or another tuber treatment registered for the control of <i>Rhizoctonia</i>.</p> <p><u>NOTE</u> HOLT 250 SC may also be used safely on split/cut tubers.</p>