

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



Fungicide

INFICARB 687.5 SC

Reg. No. L11441 Act No. 36 of 1947

6: 21/11/2024 – Nov2024

A fungicide with contact and systemic action, formulated as a suspension concentrate, for the control of late blight in potatoes and tomatoes.

GROUP	43;28	FUNGICIDE
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ACTIVE INGREDIENT

fluopicolide (pyridinylmethyl-benzamide)	62.5 g/l
propamocarb-HCl (carbamate)	625 g/l



WARNING



Harmful if swallowed.
May be harmful in contact with skin.
Causes skin irritation.
May cause an allergic skin reaction.
Toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

Avoid breathing dust/fume/gas/
mist/vapours/spray.
Wash face, hands and contact
areas thoroughly after handling.

DIRECTIONS FOR USE ENCLOSED
Batch Number: Expiry Date:
Date of Manufacture:



villa 

UN Number: 3082

Registered by: Rainbow Agrosciences (Pty) Ltd.

2011/008674/07

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WARNINGS

GHS HAZARD STATEMENTS:

H302: Harmful if swallowed
H313: May be harmful in contact with skin
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H401: Toxic to aquatic life
H411: Toxic to aquatic life with long lasting effects.

POTATOES: ALLOW A MINIMUM OF 7 DAYS BETWEEN LAST APPLICATION AND HARVESTING.

TOMATOES: ALLOW A MINIMUM OF 7 DAYS BETWEEN LAST APPLICATION AND HARVESTING.

- Store in a cool place, away from food and feed.
- 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.
- 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 or adjacent areas.

Although **Inficarb 687.5 SC** is regarded as crop-safe on most important cultivars, this does not mean that a more sensitive cultivar might not be commercialized in the future. Where a new cultivar is encountered, large areas should not be sprayed without prior testing of **Inficarb 687.5 SC** on that cultivar.

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 pathogen against the remedy concerned, as well as the method, time and accuracy of application. The registration holder further more 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 the event of any uncertainty.

PRECAUTIONS:

GHS PRECAUTIONARY STATEMENTS

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash face, hands and contact areas thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing.
P301 + P317: IF SWALLOWED: Get medical help.
P302 + P317: IF ON SKIN: Get medical help.
P302 + P352: IF ON SKIN: Wash with plenty water/...
P321: Specific treatment.

P330: Rinse mouth.

P332 + P317: If skin irritation occurs: Get medical help.

P333 + P317: If skin irritation or rash occurs: Get medical help.

P362 + P364: Take off contaminated clothing and wash it before reuse.

P39:1Collect spillage.

P501: Dispose of contents/container in accordance with local/regional/national/international Regulations.

- Wear protective clothing (rubber gloves and face shield) when handling or applying the product. Wash contaminated clothing daily.
- Wash with soap and water after use or skin contact.
- Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and changing clothes.
- Prevent contamination of food, eating utensils, feed and drinking water.
- Prevent spray drift onto other crops, grazing, rivers, dams or other areas not under treatment.
- When empty, invert the container over the spray tank or mixing tank and allow it to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to at least one tenth of that of the container and add the rinsing to the contents of the spray tank. Destroy the container by puncturing and burying or burning it. Do not use the container for any other purpose.
- Clean applicator thoroughly after use and do not pollute the environment with wash water.

RELEVANT SUBSTANCES

Chemical Name	Concentration (%)
Fluopicolide	5.5
Propamocarb hydrochloride	55.3
1,2-Propanediol	>4

RESISTANCE WARNING

For resistance management the active ingredients of **Inficarb 687.5 SC** are classified as Group Code 28 (propamocarb-HCl) and Group Code 43 (fluopicolide) fungicides. Any fungus population may contain individuals naturally resistant to propamocarb-HCl and other Group Code 28 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **Inficarb 687.5 SC** or any other Group Code 28 fungicide. Fluopicolide is active in all key steps in the development of Oomycete organisms with no cross resistance found to other fungicides. Fluopicolide is included in the **Inficarb 687.5 SC** formulation in order to combat the development of resistance.

To delay fungicide resistance:

- Avoid exclusive repeated use of fungicides from the same fungicide Group Codes. Alternate with fungicides of different fungicide Group Codes, or use tank mixtures of 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.

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. Please refer to the SANS Code of

Practice for the aerial application of agricultural chemicals.

- Aerial application of **Inficarb 687.5 SC** 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 – 40l 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:** 25 to 35 droplets per cm² must be recovered at the target area.
- **Droplet size:** A droplet spectrum with a VMD of 280 to 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 **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:
 - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - damage to other sensitive crops and / or non-target are as 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.

DIRECTIONS FOR USE: Use only as indicated.

MIXING INSTRUCTIONS:

Half the spray tank with clean water and start agitation. Add the required quantity of product directly to the water and complete filling to the required volume. Apply immediately and maintain agitation throughout. Do not allow spray mixture to remain in the tank for long periods without agitation or to stand overnight.

METHOD OF APPLICATION:

ENSURE GOOD COVERAGE OF ALL THE FOLIAGE

APPLICATION TABLE

CROP AND DISEASE	DOSAGE	REMARKS
<u>POTATOES</u> Late blight (<i>Phytophthora infestans</i>)	TRACTOR APPLICATION: 1200 ml / ha in 200 – 800 ℓ water / ha AERIAL APPLICATION: 1200 ml / ha applied in 30 – 40 ℓ water / ha	Start application when weather conditions favour infection, but before late blight symptoms are noticed. Ensure good coverage . Repeat at 7 to 10 day intervals depending on disease pressure. The use of the higher rate at a 7 day interval is recommended under conditions of high disease pressure. For tractor application, increase the volume of water in accordance with the amount of foliage. Do not apply more than 6 Inficarb 687.5 SC applications per growing season.
<u>TOMATOES</u> Late blight (<i>Phytophthora infestans</i>)	TRACTOR APPLICATION: 200 ml / 100 ℓ water	Start application when weather conditions favour infection, but before late blight symptoms are noticed. Ensure good coverage . Repeat at 7 to 10 day intervals depending on disease pressure. Increase the volume of water in accordance with the amount of foliage. Do not apply more than 6 (six) Inficarb 687.5 SC applications per growing season.