

Agri
NOVAGENIX
FOLTAC FLO

Reg. No. / Nr L11743 Act No. 36 of 1947 / Wet Nr 36 van 1947

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

GROUP

M4

FUNGICIDE

A suspension concentrate, contact fungicide for the control of the diseases on the crops as listed.

'n Suspensiekonsentraat, kontak swamdoder vir die beheer van die siektes op die gewasse soos aangedui.

WARNING



In case of poisoning, call the following number: Poisons Information Helpline: +27 861 555 777
EMERGENCY NUMBER: +27 82 446 8946

Hazard statements

Causes skin irritation. May cause an allergic skin reaction.
Causes serious eye damage. Harmful if inhaled.
Suspected of causing cancer.
May cause damage to organs.
Very toxic to aquatic life.

Precautionary statements

IF ON SKIN: Wash with plenty of water and soap.
If skin irritation or rash occurs: Get medical help.
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.

Active Ingredient / Aktiewe Bestanddeel

Folpet (phthalimide).....contains 500 g a.i. per l.....Folpet (ptalimied)

Net volume l Netto volume

Batch No./Date manufactured/Expiry date: Refer to details printed on container.
UN No. / VN Nr. 3082

REGISTRATION HOLDER / REGISTRASIEHOUER:

Novagen Innovations (Pty) Ltd / (Edms) Bpk t/a Agri Novagenix
Reg. No. 2020/891524/07
6 Antwerp Street, Apex, Benoni, 1540, South Africa / Suid-Afrika



WARNINGS

- GHS Hazard statements

Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Harmful if inhaled.
Suspected of causing cancer.
May cause damage to organs.
Very toxic to aquatic life.

Allow the following number of days between the last treatment and harvest or use as food or feed:

Table Grapes.....not later than pre-blossom stage
Wine Grapes.....14 days

IMPORTANT: The recommended withholding period between the last application and harvest meets local residue requirements but may not meet export requirements. However, it is important to note that import tolerances of other countries might potentially 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. In order to minimise possible residues, effort should be made to incorporate biological control methods which do not leave residues.

- Do not contaminate dams, rivers, lakes, or any other water sources.
- Toxic to fish and harmful to other aquatic life.
- May cause skin sensitization.
- Causes serious eye damage.
- Store in the original container in a cool, dry, well-ventilated place out of direct sunlight.
- Store away from food, feed, fertilizer, and other agricultural products.
- Keep out of reach of children, uninformed persons, and animals.
- **Re-entry:** Do not enter a treated area within 2 days after treatment unless wearing protective clothing.
- **FOLTAC FLO** has been tested on some of the most important commercial cultivars without any phytotoxic effects. More susceptible cultivars may be released in the future which will need to be tested. For this, apply **FOLTAC FLO** to a limited test area before any commercial applications are made. **FOLTAC FLO** has been shown in trials to not leave physical marks or spray residues on dark-skinned grape varieties. This may not be true for all varieties not yet commercially grown when testing was done.
- **In case of poisoning immediately call a physician and make this label available to him/her.**

DISCLAIMER

Although this remedy has been 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 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 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

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read carefully and follow all instructions.
Obtain, read and follow all safety instructions before use.
Avoid breathing dust/fumes/gas/mist/vapours/spray.
Wash hands thoroughly after handling. Do not touch eyes.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF ON SKIN: Wash with plenty of water and soap.
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.
Specific treatment (see First Aid Treatment on this label).
If skin irritation or rash occurs: Get medical help.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Store locked up.
Dispose of contents/container in accordance with national regulations.

- OPERATOR PROTECTION
 - Handle with care.
 - Do not inhale spray mist or fumes.
 - Wash with soap and water after use and accidental skin contact as well as contact with contaminated clothing.
 - Avoid contact with skin and eyes by wearing face shield or goggles and rubber gloves when mixing the product.
 - Should eye contact occur, flush the eyes with plenty of clean water for 15 minutes holding eyelids open. Remove contact lenses after five minutes of irrigation. Seek medical attention if required.
 - Do not eat, drink, or smoke while mixing or applying the product or before washing hands and face.
- ENVIRONMENTAL PROTECTION
 - Do not contaminate dams, rivers, lakes, or any other water sources.
 - Avoid drift of spray onto other crops, grazing, rivers, dams, and areas not under treatment.
 - Clean the applicator with clean water directly after use. Dispose of the rinsate where it will not contaminate crops, grazing, rivers, dams, and boreholes.
- STORAGE AND DISPOSAL
 - Store under lock and key in the original container in a cool, dry place out of direct sunlight.
 - Store away from food, feed, fertilizer, and seed.
 - **KEEP OUT OF SIGHT AND REACH OF CHILDREN**, uninformed persons, untrained personnel, unauthorised personnel and animals.

- Do not allow access to this product by children, uninformed persons, untrained personnel, unauthorised personnel, or animals under any circumstances.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Containers and packages must be completely emptied before disposal.
- If the container is to be refilled, do not rinse the container with any material, or introduce any pesticide other than this product.
- **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. Destroy the triple rinsed container by perforation and flattening and do not use for any other purpose. Store appropriately until it can be disposed of via an approved collector or recycler authorised to recycle or destroy waste in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) and the relevant waste management regulations. Empty containers and product should not be burnt. Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

RELEVANT SUBSTANCES

Hazardous ingredient	Concentration (w/v)
Folpet	50%
Sodium Dodecyl sulphate	>1 - <15%

FIRST AID TREATMENT

If medical advice is needed, have product container or label at hand. Provide medical personnel with the product container, label or safety data sheet (SDS) when seeking medical attention.

General Information: Remove patient from exposed area. The symptoms resulting from intoxication can appear after exposure. Therefore, in case of doubt, seek medical attention from direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

Inhalation: Remove the patient to fresh air, lay them down and keep them warm and at rest. If the patient is not breathing give artificial respiration. If breathing is difficult, give oxygen. Do NOT give mouth-to-mouth resuscitation if the victim ingested or inhaled the substance. Keep the patient at rest and warm. Treat symptomatically and supportively as required. Obtain medical advice if required.

Skin contact: Remove any contaminated clothing. Immediately flush the body with large amounts of water. Wash the skin with soap or a mild detergent and water for at least 15 minutes. Do not rub the skin. Get medical attention if irritation develops and persists. Wash any clothing before re-use.

Eye contact: Immediately flush the eyes with lukewarm water or saline solution for at least 15 minutes, lifting the lower and upper eyelids occasionally. Check for and remove any contact lenses after 5 minutes. Get medical attention if necessary.

Ingestion: Have the patient rinse their mouth out thoroughly with water if the person is alert and able. DO NOT induce vomiting. If spontaneous vomiting occurs, have the patient lean forward with their head down to avoid breathing in the vomitus. Rinse the patient's mouth and administer more water. Never give anything by mouth to an unconscious person. **Seek medical attention.** For advice contact the National Poisons Centre.

No specific antidote known. Treat symptomatically and supportively. If ingested, perform gastric lavage

and administer activated charcoal. For further information on the treatment of poisoning refer to the product Safety Data Sheet provided.

RESISTANCE MANAGEMENT WARNING STATEMENT

For resistance management, **FOLTAC FLO** is a group code M4 fungicide. Any disease population may contain individuals naturally resistant to **FOLTAC FLO** and other group code M4 fungicides. These resistant individuals can eventually dominate the disease population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **FOLTAC FLO** or any other group code M4 fungicide.

To delay fungicide resistance:

- Avoid the exclusive repeated use of fungicides from the same fungicide group code. Alternate, or tank mix, with registered products from different fungicide group codes.
- A spray programme of mixtures or alternations with remedies with a different mode of action may delay resistant strain build-up.
- Integrate other control methods (such as chemical, cultural, biological) into disease control programmes.
- **FOLTAC FLO** can be used with or without an approved curative co-fungicide depending on disease pressure and desired result. **FOLTAC FLO** is a contact, protective fungicide which is likely to wash off leaf surfaces following rain or irrigation. A protective layer should be maintained in order to ensure a healthy, disease free crop.

As the occurrence of resistance cannot be forecast, users are advised to keep all treated crops under close observation. If the treatment is not effective following the use of **FOLTAC FLO** as recommended, a resistant strain may be present. If a resistant strain is positively identified, consideration should be given to the prompt use of a fungicide with a different mode of action against which no record of resistance to the relevant disease exists.

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

The presence of resistant strains is difficult to detect prior to use and therefore neither the Registration Holder nor the Distributor can accept responsibility for any losses as a result of **FOLTAC FLO** not controlling resistant strains. Do not apply **FOLTAC FLO** alone in situations where disease resistance has been confirmed. Sub-standard application of **FOLTAC FLO** or other group code M4 fungicides will lead to inferior disease control and may assist in the development of fungicide resistance.

MODE OF ACTION

Folpet chemically reacts, non-specifically, with thiols, thereby inhibiting respiration. Folpet is a contact fungicide with protective and curative activity. Folpet possibly degrades to the corresponding thiophosgene, which may be the biologically active species.

DIRECTIONS FOR USE - Use only as directed.

NOTICE TO USER: This agricultural remedy is to be used only in accordance with the instructions on the label. It is an offence under Act No. 36 of 1947 to use this agricultural remedy for any purpose or in any manner contrary to the directions on the label.

COMPATIBILITY

The compatibility of **FOLTAC FLO** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. As formulations may change from time to time, it is recommended that a physical compatibility test be done prior to the tank mixture being made. **FOLTAC FLO** is compatible with most agricultural remedies normally used with the exception of lime, lime sulphur, and Bordeaux Mixture. Do not apply with any other Botrytis remedy in wine and table grapes. All WARNINGS, PRECAUTIONS, USE RESTRICTIONS and DIRECTIONS FOR USE on the product labels must be fully adhered to. Consult the relevant labels for full details.

USE RESTRICTIONS

- Application programmes containing **FOLTAC FLO** should commence before the disease/s become established.
- Do not apply **FOLTAC FLO** to any crop or situation not mentioned in this instruction leaflet.
- Only apply **FOLTAC FLO** using an accurate and safe application technique.
- If **FOLTAC FLO** is used in a tank mix with other recommended remedies, consideration should be given to the restrictions of those respective products.
- Do not apply this product in combination or tank mixture with any other product or agricultural remedy which is not specifically listed on this label. Novagen Innovations (Pty) Ltd t/a Agri Novagenix accepts no responsibility for any negative effects experienced if the instructions on this label are not adhered to, unless an Agri Novagenix representative was consulted beforehand.
- By buying this product, the buyer undertakes that the user is fully aware of and suitably trained on the hazards associated with the preparation and use of this product. By selecting this product voluntarily, the user assumes responsibility for his or her own personal protection whilst storing, mixing, and applying the product in the approved manner according to the instructions for use. The user also confirms to have consulted the SDS of this product and he/she is aware of the potential health hazards which could arise out of use and misuse of this product. Users are encouraged to keep records of all procedures followed and which personal protection equipment was used at all times. All personal protection equipment used must be kept clean and in good working order according to the manufacturer's specifications. Novagen Innovations (Pty) Ltd. accepts no responsibility for any adverse effects experienced if the instructions on this label are not adhered to or resulting from improper use of this product or the use of unsuitable personal protection equipment. The user has selected to use this product at his/her own free will and risk.

MIXING INSTRUCTIONS

Shake the container thoroughly before the tank mixture is prepared. Half-fill the spray tank with suitable water, then add the required amount of **FOLTAC FLO** to the water in the spray tank while agitating. Fill the spray tank to the required volume with suitable water while maintaining agitation. Should tank mixtures with other products be made, follow the respective manufacturer's label recommendations. Where wettable powder formulations are used in combination with **FOLTAC FLO**, a slurry should first be made with the powder and water and mixed into the spray tank. Thereafter, the **FOLTAC FLO** can be added. **Tank mixtures must be sprayed out immediately and not permitted to stand in the spray tank.** The spraying equipment must be thoroughly flushed out at the end of the spraying operation. Ensure that spray premixes and/or final spray mixtures are kept out of reach of children, uninformed persons, untrained personnel, unauthorised personnel and animals.

APPLICATION METHODS

Ensure that the equipment is correctly calibrated and is checked regularly during the application in order to ensure even and accurate application. Apply as a preventative application and ensure thorough coverage of both the upper and the lower leaf surfaces. **FOLTAC FLO** can be applied with conventional

high volume spray equipment. Ensure a spray volume that will give an even spray droplet distribution on the target plant surfaces. **Constant agitation throughout the spray operation is essential.** Use only clean water.

APPLICATION RATES

CROP AND PEST	DOSAGE	REMARKS
Potatoes Late blight <i>(Phytophthora infestans)</i> Early blight <i>(Alternaria solani)</i>	2 l/ha	Preventative treatment: Apply from emergence at 7 – 10 day intervals in at least 500 l water/ha in the pre-blossom stage, and in at least 1000 l/ha in the post blossom stage. Thorough coverage is important for the control of early and late blight. A suitable surfactant should be used in the spray mixture.
Table Grapes Deadarm disease <i>(Phomopsis viticola)</i> Anthraco nose <i>(Elsinoë ampelina)</i> Downy mildew <i>(Plasmopara viticola)</i>	200 ml/100 l water	Recommended only until the pre-blossom stage. Apply the first spray at the bud swell stage and, thereafter, repeat at 7-10 day intervals depending on the prevailing weather conditions. Do not apply more than 4 applications per season.
Wine Grapes Deadarm disease <i>(Phomopsis viticola)</i> Botrytis rot <i>(Botrytis cinerea)</i> Anthraco nose <i>(Elsinoë ampelina)</i> Downy mildew <i>(Plasmopara viticola)</i>	200 ml/100 l water	Preventative treatment: Apply the first application at the budswell stage and, thereafter, repeat at 7 - 10 day intervals when the weather conditions favour disease development. Pre-blossom: Apply when the shoots are 10cm in length and repeat at 7-10 day intervals depending on the prevailing weather conditions. Blossom to 80% petal drop: Only apply when the blossoming period lasts longer than 14 days. Post blossom: Depending on the prevailing weather conditions, apply twice or more at 7-14 day intervals. Do not apply more than 4 applications per season.

FOLTAC FLO may be used with or without an approved curative/eradicator co-fungicide depending on disease pressure and desired result. **FOLTAC FLO** is a contact, protective fungicide which is likely to wash off leaf surfaces following rain or irrigation. A protective layer should be maintained in order to ensure a healthy, disease-free crop.