

READ THE LABEL BEFORE USE. KEEP OUT OF REACH OF CHILDREN AND ANIMALS.
ONLY FOR COMMERCIAL FARM USE. NOT FOR USE WITH ANY HANDHELD EQUIPMENT AND/OR IN
RESIDENTIAL AREAS AND AERIAL APPLICATION.



Fungicide

METAZEB 700 WP

Reg. No. L 7463 Act No. 36 of 1947

5: 11/09/2025 – Sept2025

A wettable powder contact and systemic fungicide for the control of diseases on crops as indicated.

GROUP	4, M3	FUNGICIDE
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ACTIVE INGREDIENTS

metalaxyl (phenylamide)	100 g/kg
mancozeb (dithiocarbamate)	600 g/kg



WARNING



Hazard Statements:

Causes mild skin irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
May cause damage to organs (thyroid, nervous system) through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
Avoid release into the environment.

kg

villa

UN Number: 3077

Registration holder: VILLA CROP PROTECTION (PTY) LTD.
Co. Reg. No. 1992/002474/07
65 Botes Road, Glen Marais, Kempton Park, 1619
Tel. (011) 396 2233
Website: 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: _____
Expiry Date: _____
Date of Manufacture: _____

METAZEB 700 WP

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FRAC FUNGICIDE GROUP CODE: 4 + M3

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WARNINGS**Withholding periods:**

Minimum number of days between last application and harvest or feeding:	
Pineapples	21 days
Potatoes	14 days
Tomatoes	7 days
Table grapes	56 days
Wine grapes	21 days
Youngberries & Boysenberries	14 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.

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May cause an allergic skin reaction.
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Suspected of damaging fertility or the unborn child.
May cause damage to organs (thyroid, nervous system) through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.

- Handle with care.
- **Flammable:** Store away from open flames, fires and sparks. Do not allow **METAZEB 700 WP** to become wet and thereafter warmed in storage. Flammable vapours can be generated under such conditions.
- Store the product in this original container/bag and always keep tightly closed.
- Store in a cool, dry, well-ventilated place, away from food, seed and feed stuffs.
- 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 the event of any uncertainty.

PRECAUTIONS

Precautionary statements:

Obtain, read and follow all safety instructions before use.
Do not breathe dust and spray.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release into the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF ON SKIN: Wash with plenty of water and non-abrasive soap.
IF exposed or concerned, get medical advice.
Get medical help if you feel unwell.
If skin irritation or rash occurs: Get medical help.
Collect spillage.
Store locked up.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Avoid contact of product with skin and eyes.
- Wash contaminated clothes daily after use.
- In case of eye contamination, rinse the eyes thoroughly with plenty of clean, cold water for at least 20 minutes, holding the eyelid(s) open. If irritation persists obtain medical aid.
- Do not eat, drink or smoke whilst mixing, applying or before washing hands and face or change of clothing.
- Prevent spray drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, 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. Thereafter rinse the empty container three (3) 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.
- **CLEAN THE EMPTY BAGS AS FOLLOWS:** Shake all the pesticide formulation out of the bag into the spray or mixing tank. 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 normal refuse disposal. Do not bury, burn or donate the bag to any other parties that may use it as a container for foodstuffs.
- Prevent contamination of food, feeds, drinking water and eating utensils.

First Aid Treatment

- General: 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. IF exposed or concerned, get medical advice.
- Inhalation: Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
- Skin: Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. **Obtain medical attention if irritation or rash occurs.**
- Eyes: Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if irritation persists.
- Ingestion: Seek medical attention or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.
- Advice to physician: No specific antidotes are available against dithiocarbamate and/or acylalanine poisoning. Treat symptomatically. If the product has been ingested, and copious vomiting has not occurred, the stomach must be emptied, and steps taken to limit gastrointestinal absorption. Do not administer fats and oils.

Relevant hazardous components	
Mancozeb	60%
Metalaxyl	10%
Amorf-silicate	< 5%

NOTE: The ingredients listed above contribute to the overall GHS classification, the remaining ingredients do not have to be listed according to the South African Regulations for Hazardous Chemical Agents 2021, Regulation 14(b).

In case of poisoning, call the following number: +27 82 446 8946 (Griffon Poison Information Centre) or +27 861 555 777 (Poison Information Helpline).

In case of a chemical spill call the following 24 Hr Transport / Spill emergency number: +27 86 044 4411 (Hazcall24 / Client: Villa Crop Protection).

RESISTANCE WARNING

METAZEB 700 WP contains group code 4 + M3 fungicides. Any fungus population may contain individuals naturally resistant to **METAZEB 700 WP** and other group code 4 + M3 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **METAZEB 700 WP** or any other group code 4 + M3 fungicides.

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,
- for tank mixing or alternation with products in fungicide group code M, refer to applicable individual product labels,
- integrate other control methods (chemical, cultural, biological) into disease control programmes.

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

Resistance – additional notes:

METAZEB 700 WP controls diseases caused by Oömycetes fungi such as Late blight (*Phytophthora infestans*) and Downy mildew (*Plasmopara viticola*). The activity of **METAZEB 700 WP** may be affected adversely in areas known to have tolerant disease strains or isolates, on crops listed in this label. The following areas have a history of disease strains or isolates showing resistance to the phenylamide group of fungicides e.g. **Metalaxyl**:

- **Downy mildew in grapes** - various areas of the South Western Cape.
- **Late blight in potatoes** - Gamtoos Valley, George, Sandveld & Western Cape and other parts of South Africa.

Refer to the notes above to avoid or manage resistance.

PRODUCT PROPERTIES

METAZEB 700 WP consists of a systemic, protective and curative fungicide (**Metalaxyl**), as well as a residual protective fungicide (**Mancozeb**). **Metalaxyl** can be absorbed by roots, green stems and foliage, and is translocated upwards in the plant. Absorption happens very rapidly (generally within an hour), when the product is sprayed on foliage.

USE RESTRICTIONS

- Apply immediately following an infection period or disease warning, **before the disease can gain momentum**.
- The spray programme for control of fungal diseases must include protective fungicides that can be applied at regular 7 day intervals, before application of **METAZEB 700 WP**, and be continued again within a week of the last application of **METAZEB 700 WP**.
- The spraying programme must commence in the early stage of the crop's growth cycle, when the plant is actively growing, to ensure protection during the critical stages of flowering and early fruit formation.
- Do not apply to plants under drought or flood stress.
- Application of **METAZEB 700 WP** can be ceased when plants have matured and begin to senesce. From this stage the systemic action of the product is reduced significantly.
- Degradation of **METAZEB 700 WP** in the soil: It is possible in some soils that an increase in the rate of degradation of **Metalaxyl** can occur after prolonged or constant use of **METAZEB 700 WP**. Therefore, do not use **METAZEB 700 WP**, or other related products, exclusively or for extended periods as a soil treatment.

- **METAZEB 700 WP** can be applied maximum four times per season on youngberries, boysenberries, grapes, potatoes and tomatoes.
- The effectiveness of **METAZEB 700 WP** cannot be guaranteed in tunnels, greenhouses or nurseries due to extremely high disease pressure, which can develop under such practices.
- It is not recommended to apply **METAZEB 700 WP** through overhead irrigation systems.
- Do not alternate **METAZEB 700 WP** with any other phenylamide fungicide.

DIRECTIONS FOR USE: Only use as directed.

NOTICE TO USER:

Read the entire label before application. This agricultural remedy is to be used only in accordance with the instructions on the label. It is an offence under the Act to use this agricultural remedy for any purpose in a manner contrary with the directions on the label.

General:

- **METAZEB 700 WP** must be used in a preventative control spray programme.
- In order to obtain most effective results, **METAZEB 700 WP** must be applied before the disease becomes established in the crop.

Compatibility:

- The compatibility of **METAZEB 700 WP** in tank mixtures with other products has not been confirmed and can be influenced by the formulations involved, as well as quality of the dilution water.
- A physical compatibility test of all products involved is recommended, before mixing as formulations can change from time to time, and water quality may vary from area to area.
- Do not mix **METAZEB 700 WP** with alkaline products e.g. Bordeaux mixture as well as copper based products, **Sulphur** and **Captab**.
- Contact the registration holder when in doubt.

Quality of the spray water:

Use clean water with a pH value of 5.5 (slightly acidic) to 7.0 (neutral). If the spray water is too alkaline, a buffer like **Commodobuff** can be added to the water, before the addition of **METAZEB 700 WP**.

Mixing instructions:

- Premix the required quantity of **METAZEB 700 WP** with a small amount of water in another container to obtain a slurry.
- Half-fill the mixing tank with clean water. Ensure continuous agitation.
- Add the slurry into the mixing tank through a 50-mesh sieve, and fill the mixing tank up to the required volume of water.
- Ensure continuous agitation during mixing and application.
- The spray mixture must be sprayed immediately after mixing. Prepared spray mixture must not be left in the spray tank for any length of time e.g. overnight.

APPLICATION INSTRUCTIONS

Ground application:

METAZEB 700 WP can be applied with a correctly calibrated conventional high volume ground sprayer that is in a good working order. It is recommended to fit hollow cone nozzles, to achieve spray of fine to medium droplets.

APPLICATION RATES

Crop / Pest	Dosage rate	Remarks
Pineapples Root- and Base rot (<i>Phytophthora</i> spp.)	5.0 kg / ha	Apply in 2000 to 3000 litres water per hectare. New plantings: Commence application immediately after planting and follow up within 6 months. Apply regularly thereafter with 3 month intervals. Established plants: Apply at 3 month intervals.
Potatoes Late blight (<i>P. infestans</i>)	2.0 kg / ha	Other registered contact fungicides that control Late blight must be included in the spray programme with METAZEB 700 WP . Apply METAZEB 700 WP immediately after an infection period or disease warning. Repeat treatments at 10 to 14 day intervals. Ground application: Full cover spray using 500 to 1500 litres water per hectare, depending on plant size and foliage density.
Tomatoes Early blight (<i>Alternaria</i> spp.), Late blight (<i>P. infestans</i>) & Leaf spot (<i>Septoria</i> spp.)	270 g to 360 g / 100 ℓ water	Other registered contact fungicides, which control Late blight must be included in the spray programme with METAZEB 700 WP . Apply METAZEB 700 WP immediately after an infection period or disease warning. The contact action of the active ingredient (Mancozeb) provides control of Early blight and Leaf spot. If more than 13 mm of rain or overhead irrigation occurs between METAZEB 700 WP applications, follow up with Villa Unizeb 800 WP . Repeat treatments at 7 to 10 day intervals. Apply in 500 to 2000 litres per hectare depending on plant size. Apply the higher dosage rate under high disease infection pressure.
Table and Wine grapes Downy mildew (<i>Plasmopara viticola</i>)	270 g / 100 ℓ water	Other registered contact fungicides, which control Downy mildew must be included in the spray programme with METAZEB 700 WP . Apply METAZEB 700 WP immediately after an infection period of disease warning. Repeat at 10 to 14 day intervals. Do not apply after the end of December. Do not apply on table grapes after reaching “pea-berry” size. Increase the spray volume until reaching “pea-berry” size, ensuring good coverage of the crop. Apply in 500 to 1200 litres water per hectare in table grapes . Apply in 250 to 1000 litres water per hectare in wine grapes .
Youngberries and Boysenberries Downy Mildew (<i>Perenospora rubi</i>)	270 g / 100 ℓ water	Commence application two weeks after green tip stage as a high volume spray, to ensure a full cover spray. Repeat every 2 weeks.

The following products mentioned in this label may be replaced with equivalent products:

- **COMMODOBUFF** (L 5390 / N-AR 1107) = **AQUABUFF** (L 5451 / W 130060),

COMMODOBUFF, and **AQUABUFF** are registered products of
UNIVERSAL CROP PROTECTION (PTY) LTD.