

# RidomilGold®

Pepite

syngenta

Reg. No. **L7191** Act No. 36 of 1947 **N-AR 0820** (Namibia) **W130708** (Botswana)

A water dispersible granule fungicide combination for the control of various diseases on the crops as indicated.

GROUP	4	FUNGICIDE
	M 05	

**Active Ingredients:**  
mefenoxam (phenylamide)..... 40 g/kg  
mancozeb (dithiocarbamate).... 640 g/kg

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**WARNING**

**Hazard statements:** May cause an allergic skin reaction. Suspected of causing cancer. May damage the unborn child. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long-lasting effects.

**Precautionary statements:** Keep out of reach of children. Obtain special instructions before use. **Prevention:** Avoid breathing dust/fumes/gas/mist/vapours/spray. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. **Response:** If on skin, wash with plenty of water. **Storage:** Store locked-up. **Disposal:** Dispose of contents/container to an approved waste disposal plant.

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**UN 3077**



Registration holder  
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## 1. WARNINGS:

**Hazard statements:** May cause an allergic skin reaction. Suspected of causing cancer. May damage the unborn child. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long-lasting effects.

**Withholding period:** Allow the following number of days between last application and harvest.

<b>PINEAPPLES</b> .....	<b>21 days</b>
<b>POTATOES, YOUNGBERRIES AND BOYSENBERRIES</b> .....	<b>14 days</b>
<b>TABLE GRAPES</b> .....	<b>56 days</b>
<b>TOMATOES</b> .....	<b>7 days</b>
<b>WINE GRAPES</b> .....	<b>21 days</b>

**NOTE:** Compliance with these withholding periods will ensure that residues do not exceed local maximum residue limits (MRL), but the import tolerances of other countries might possibly be exceeded. If the crop to be treated is intended for export, consult the relevant importer or exporting body regarding the use of this product, MRL's and recommended withholding periods.

- May cause skin sensitisation.
- Toxic to fish and other aquatic organisms.
- Store in a cool, dry place.
- Store away from food and feed.
- Keep out of reach of children, uninformed persons and animals.
- **Flammable:** Keep away from fire and sparks. Do not allow product to become damp and then warmed in storage as flammable vapours will be generated.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.
- **Aerial application:** Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate adjacent areas or water.

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 weed 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 and the environment, or harm to people or animals 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, that could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

## 2. PRECAUTIONS:

**Precautionary statements:** Keep out of reach of children. Obtain special instructions before use. **Prevention:** Avoid breathing dust/fumes/gas/mist/vapours/spray. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. **Response:** If on skin, wash with plenty of water. **Storage:** Store locked-up. **Disposal:** Dispose of contents/container to an approved waste disposal plant.

- Do not inhale dust or spray mist.
- Wear rubber gloves when handling granules.
- Wash with soap and water after use.
- Wash contaminated clothing after use.
- Do not eat, drink, or smoke while mixing or applying the product or before washing hands and face.
- Avoid drift of spray onto other crops, pastures, rivers, dams, boreholes and areas not under treatment.
- Clean applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Destroy the empty container in the prescribed manner and do not use it for any other purpose.

## 3. RELEVANT SUBSTANCES:

Chemical name	
mancozeb (ISO)	
Classification	Concentration (% w/w)
Skin Sens. 1; H317 Carc. 2; H351	≥ 50 - < 70

Chemical name	
mancozeb (ISO) cont.	
Classification	Concentration (% w/w)
Repr. 1B; H360D STOT RE 2; H373 (Nervous system, thyroid) Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	≥ 50 - < 70

#### 4. RESISTANCE MANAGEMENT:

**RIDOMIL GOLD PEPITE** is a group code 4 and M 03 fungicide and contains mefenoxam, a phenylamide. Any fungus population may contain individuals naturally resistant to **RIDOMIL GOLD PEPITE** and other group code 4 and M 03 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly and exclusively in programs. These resistant fungi may not be controlled by **RIDOMIL GOLD PEPITE** or any other group code 4 and M 03 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.
- Refer to individual product labels when alternating products or when using tank mixtures with products in fungicide group codes 7, 27, 28, 29, 30 and M.
- Integrate other control methods (chemical, cultural, biological) into disease control programs.
  - Isolates of *Plasmopara viticola* (**downy mildew**) resistant to phenylamides have been found in various vine growing areas of the South Western Cape.
  - Isolates of *Phytophthora infestans* (**late blight**) resistant to phenylamides have been found in various parts of Southern Africa. The potato production areas in the Western and Southern Cape are important sources of seed potatoes for other potato production areas. Phenylamide resistant isolates of *P. infestans* are present in these areas in the Cape. To prevent the spread of these resistant isolates, as tuber borne **late blight** to other areas in the country, the use of Phenylamide fungicides are prohibited in the Western and Southern Cape.

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

#### 5. USE RESTRICTIONS:

- For effective control of **downy mildew** on grapes, youngberries and boysenberries, and **late blight** on potatoes and tomatoes, **RIDOMIL GOLD PEPITE** should be used in a protective program along with unrelated protective fungicides.
- **RIDOMIL GOLD PEPITE** should be applied during periods of active plant growth, early in the season when protection is crucial to suppress an increase in disease development.

- **RIDOMIL GOLD PEPITE** is not recommended after plants have reached maturity as the activity of mefenoxam may be insufficient due to the reduced absorption and translocation.
- Before and after including **RIDOMIL GOLD PEPITE** in a spray program, apply unrelated protective fungicides. They should be included within seven (7) days of the last **RIDOMIL GOLD PEPITE** application.
- It is important to initiate **RIDOMIL GOLD PEPITE** treatments immediately after an infection period or disease warning and before the disease symptoms occur.
- In certain soils, especially after prolonged or constant use of **RIDOMIL GOLD PEPITE**, an increase in the rate of bio-degradation of mefenoxam may occur, resulting in reduced activity. It is therefore not recommended to use **RIDOMIL GOLD PEPITE** or related compounds exclusively as a soil treatment. (See RESISTANCE MANAGEMENT).
- Only three (3) applications of **RIDOMIL GOLD PEPITE** are recommended per season on youngberries, boysenberries, grapes, potatoes and tomatoes.
- **RIDOMIL GOLD PEPITE** is not recommended for use in tunnels, greenhouses or nurseries where disease pressure can be extremely high.
- Do not apply **RIDOMIL GOLD PEPITE** through overhead irrigation systems.
- **Do not alternate RIDOMIL GOLD PEPITE with other Phenylamides e.g., GALBEN® M (L4352), TAIREL® (L5384) or SANALAXYL (L6100).**

#### 6. PRODUCT PROPERTIES:

**RIDOMIL GOLD PEPITE** is a mixture of mefenoxam, a systemic fungicide with protective protective and curative properties and mancozeb, a residual protective fungicide. Mefenoxam enters the plant through roots, green stems and leaves and is translocated upwards. When applied to foliage it is taken up very rapidly, normally within one (1) hour.

#### 7. DIRECTIONS FOR USE: Use only as indicated

##### 7.1 Compatibility

The compatibility of **RIDOMIL GOLD PEPITE** with other products may be influenced by the formulation of the products involved as well as the quality of the water. Since the formulation of other products may change without the knowledge of Syngenta and the quality of water may vary from farm to farm, a physical compatibility test should always be carried out prior to application.

##### Important

**RIDOMIL GOLD PEPITE is not compatible with SORBA (L5343) or DOW ENDOSULFAN (L4401). Alkaline products such as Bordeaux mixture and copper based compounds as well as sulphur and captab are also not suitable for mixing with RIDOMIL GOLD PEPITE.**

##### 7.2 Mixing Instructions

- Mix the required quantity of **RIDOMIL GOLD PEPITE** with a small volume of water into a slurry.
- Half-fill the spray tank with clean water and, while



agitating, pour the slurry through a 50 mesh sieve into the spray tank.

- Top up the tank to the required volume.
- Ensure thorough agitation of the mixture in the tank during mixing and spraying.

### 7.3 Application Techniques

#### 7.3.1 Ground application

- **RIDOMIL GOLD PEPITE** may be applied with conventional high-volume spray equipment.
- Nozzles should be fitted with hollow cone tips that give medium to fine droplets.
- Calibrate the apparatus before application to ensure that the correct dosage is applied.
- Distribution of the spray mixture must be uniform throughout the target area.

#### 7.3.2 Aerial application

(Potatoes only)

Aerial application of this product may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS 10118 (Aerial Application of Agricultural Remedies). It is important to 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 are met:

a) Application parameters:

- **Volume:** A volume of 30 ℓ/ha 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 the product is applied aerially at a lower volume rate than recommended above.
- **Droplet coverage:** A droplet coverage of 25 - 30 droplets per cm<sup>2</sup> must be recovered at the target.
- **Droplet size:** A droplet spectrum with a VMD of 280 - 300 microns is recommended. Ensure that the production of fine droplets (less than 150 microns - high drift and evaporation potential) is restricted to a minimum.
- **Flying height:** The height of the spray boom should be maintained at 3 - 4 metres above the target. Do not spray when aircraft is in a climb, at the top or during a dive, or when banking.

b) Equipment:

- Use suitable atomising equipment (hydraulic nozzles or rotary atomisers) that will produce the desired droplet size and coverage but which will ensure the minimum loss of product either through endodrift (within target field) or exodrift (outside target field).
- The operator must use a setup that will produce a droplet spectrum with the lowest possible relative span.
- All nozzles/atomisers should be positioned within the inner 60 - 75 % of the wingspan to prevent droplets from entering the wingtip vortices.

c) Meteorological conditions:

- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not

exceed 8°C. The addition of a suitable anti-evaporant is recommended if the VMD of the droplets is less than 200 - 250 microns.

- Stop spraying if the wind speed exceeds 15 km/h.
- Aerial application of this product must not be done under turbulent, unstable conditions during the heat of the day when rising thermals and downdraughts occur.
- Also note that the application of this product under temperature inversion conditions (spraying in or above the inversion layer) 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 areas through the movement of the suspended spray cloud away from the target field.

**It is important to obtain assurance from the aerial spray operator that the above requirements are met.**

### 7.4 Application Rates

#### GRAPES

(Table and wine grapes)

Disease	Dosage Rate
<b>Downy mildew</b> ( <i>Plasmopara viticola</i> )	250 g/100 ℓ water
<b>Remarks</b>	
<ul style="list-style-type: none"> <li>• Follow a protective program with unrelated fungicides and apply <b>RIDOMIL GOLD PEPITE</b> immediately after an infection period or disease warning.</li> <li>• Repeat at 7 - 14-day intervals.</li> <li>• <b>DO NOT WAIT UNTIL SYMPTOMS OCCUR BEFORE APPLYING RIDOMIL GOLD PEPITE.</b></li> <li>• Increase the spray volume progressively ensuring complete coverage of the crop.</li> <li>• Application: 250 - 1 000 ℓ/ha for wine grapes and 500 - 1 200 ℓ /ha for table grapes.</li> <li>• <b>Do not apply after flowering stage on table and wine grapes.</b></li> </ul>	

#### POTATOES

Disease	Dosage Rate
<b>Late blight</b> ( <i>Phytophthora infestans</i> )	2.5 kg/ha (ground application) 2.75 kg/ha (aerial application)
<b>Remarks</b>	
<ul style="list-style-type: none"> <li>• Follow a protective program with unrelated fungicides and apply <b>RIDOMIL GOLD PEPITE</b> immediately after an infection period or disease warning.</li> <li>• Repeat at 7 - 14-day intervals.</li> <li>• <b>DO NOT WAIT UNTIL SYMPTOMS OCCUR BEFORE APPLYING RIDOMIL GOLD PEPITE.</b></li> <li>• Apply in 500 ℓ/ha water (ground application) and 30 - 40 ℓ/ha water (aerial application).</li> <li>• Do not apply after flowering stage.</li> </ul>	

#### TOMATOES

Disease	Dosage Rate
<b>Late blight</b> ( <i>P. infestans</i> )	250 - 340 g/100 ℓ water
<b>Early blight</b> ( <i>Alternaria solani</i> )	
<b>Leaf spot</b> ( <i>Septoria lycopersici</i> )	

## TOMATOES

### Remarks

- Follow a protective program with unrelated fungicides and apply **RIDOMIL GOLD PEPITE** immediately after an infection period or disease warning.
- Repeat at 7-day intervals.
- **DO NOT WAIT UNTIL SYMPTOMS OCCUR BEFORE APPLYING RIDOMIL GOLD PEPITE.**
- Use 500 - 2 000 ℓ/ha spray mixture depending on the plant size.
- **COMMENT: Early blight** and **leaf spot** are controlled by the mancozeb component and follow-up applications with suitable fungicides may be required if more than 13 mm rain or overhead irrigation occurs.

## YOUNG BERRIES AND BOYSENBERRIES

Disease	Dosage Rate
<b>Downy mildew</b> ( <i>Peronospora rubi</i> )	250 g/100 ℓ water
<b>Remarks</b> <ul style="list-style-type: none"><li>• <b>RIDOMIL GOLD PEPITE</b> should be applied from approximately two (2) weeks after green tip.</li><li>• Repeat at 14-day intervals.</li><li>• <b>DO NOT WAIT UNTIL SYMPTOMS OCCUR BEFORE APPLYING RIDOMIL GOLD PEPITE.</b></li><li>• Apply as a high-volume spray to the point of run-off, ensuring complete coverage of the plant.</li></ul>	

## PINEAPPLES

Disease	Dosage Rate
<b>Root and base rot</b> ( <i>Phytophthora</i> spp.)	6.25 kg/ha
<b>Remarks</b> <b>At planting</b> <ul style="list-style-type: none"><li>• Apply <b>RIDOMIL GOLD PEPITE</b> in 2 000 - 3 000 ℓ water/ha immediately after planting.</li><li>• Follow-up 3 - 6 months later and repeat at three (3) month intervals.</li></ul> <b>Established plants</b> <ul style="list-style-type: none"><li>• Apply <b>RIDOMIL GOLD PEPITE</b> in 2 000 - 3 000 ℓ water/ha at three (3) month intervals.</li></ul>	

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SA Reg.: 2003-05-23