

RidomilGold®

Flo

syngenta

Reg. No. **L6669** Act No. 36 of 1947 **N-AR 0721** (Namibia) **W130342** (Botswana)

A suspension concentrate fungicide combination for the control of diseases on crops as indicated.

GROUP	4	FUNGICIDE
	M 05	

Active Ingredients:
mefenoxam (phenylamide).... 37,5 g/l
chlorothalonil (chloronitrile).... 500 g/l

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WARNING

Hazard statements: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. Suspected of causing cancer. Very toxic to aquatic life with long-lasting effects.

Precautionary statements: Keep out of reach of children. Obtain special instructions before use. Avoid breathing spray. Wear protective gloves/protective clothing/eye protection/face protection. **Response:** If on skin, wash with plenty of water. If inhaled, remove person to fresh air and keep comfortable for breathing. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned, get medical advice/attention. Collect spillage. **Disposal:** Dispose of contents/container to an approved waste disposal plant.

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UN 3082

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1. WARNINGS:

Hazard statements: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. Suspected of causing cancer. Very toxic to aquatic life with long-lasting effects.

Withholding period: Minimum number of days between last application and harvest.

CRUCIFERAE (Brassicas).....	14 days
POTATOES	14 days
TOMATOES	7 days

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.

- Harmful if swallowed.
- Irritating to skin, eyes, nose and throat.
- Toxic to fish and aquatic invertebrates.
- Store in a cool, dry place.
- Store 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 in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water or adjacent areas.

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. **Prevention:** Obtain special instructions before use. Avoid breathing spray. Wear protective gloves/protective clothing/eye protection/face protection. **Response:** If on skin, wash with plenty of water. If inhaled, remove person to fresh air and keep comfortable for breathing. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned, get medical advice/attention. Collect spillage. **Disposal:** Dispose of contents/container to an approved waste disposal plant.

- Do not inhale the spray mist.
- In the event of accidental contact with eyes rinse with clean water.
- Wash with soap and water after use and immediately after skin contact.
- Wear rubber gloves and a face shield when preparing spray mixture.
- 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 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.
- Rinse the empty container three (3) times with a volume of clean water equal to a minimum of 10% of the container. Add the rinsate to the contents of the spray tank

- before destroying the container in the prescribed manner.
- Do not use the empty container for any other purpose.

3. RELEVANT SUBSTANCES:

Chemical name	Classification	Concentration (% w/w)
Not applicable	Not applicable	Not applicable

4. RESISTANCE MANAGEMENT:

RIDOMIL GOLD FLO is a group code 4 and M 05 fungicide and contains mefenoxam, a phenylamide. Any fungus population may contain individuals naturally resistant to **RIDOMIL GOLD FLO** and other group code 4 and M 05 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 FLO** or any other group code 4 and M 05 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 or M.
- Integrate other control methods (chemical, cultural, biological) into disease control programs.
- 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 Phynylamide 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:

- **RIDOMIL GOLD FLO** is not recommended after plants have reached maturity as the activity of mefenoxam may be insufficient due to reduced absorption and translocation.
- Do not make more than three (3) applications of **RIDOMIL GOLD FLO** per season.
- Do not apply **RIDOMIL GOLD FLO** through overhead irrigation systems.
- DO NOT ALTERNATE **RIDOMIL GOLD FLO** WITH OTHER PHENYLAMIDES.

6. PRODUCT PROPERTIES:

RIDOMIL GOLD FLO is a mixture of mefenoxam, a systemic fungicide with protective and curative properties and chlorothalonil, 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.

- For effective control of **late blight** on potatoes, **RIDOMIL GOLD FLO** should be used in a protective program along with unrelated protective fungicides.
- **RIDOMIL GOLD FLO** should be applied during periods of active plant growth, usually early in the season to retard disease development.
- Before and after **RIDOMIL GOLD FLO** has been included in the spray program, unrelated protective fungicides should be applied. They must be applied within seven (7) days of the last **RIDOMIL GOLD FLO** application.
- It is important to initiate **RIDOMIL GOLD FLO** treatments immediately after an infection period or disease warning and before the disease gains momentum.

7. DIRECTIONS FOR USE: Use only as indicated.

7.1 Compatibility

The compatibility of **RIDOMIL GOLD FLO** 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.

7.2 Mixing Instructions

Replace cap after use.

- Make sure that the contents of the bottle is well-mixed by shaking thoroughly.
- Half-fill the spray tank with clean water and, while agitating, pour the fungicide through a 50 mesh sieve into the spray tank and then topup the tank to the required volume.
- Ensure thorough agitation of the mixture in the tank during mixing and spraying.
- Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank.

7.3 Application Techniques

7.3.1 Ground application

RIDOMIL GOLD FLO 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. Consult the mobile application Cropwise Spray Assist

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 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 cm² 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

CRUCIFERAE

(Brassicas)

Disease	Dosage	Remarks
White Blister (<i>Albugo candida</i>)	2 ℓ/ha	<ul style="list-style-type: none"> • Apply in 450 - 700 ℓ water/ha depending on growth stage of the crop. • Repeat at 7-day intervals. • Apply only two (2) sprays

CRUCIFERAE cont.

Disease	Dosage	Remarks
White Blister (<i>Albugo candida</i>)	2 ℓ/ha	per crop cycle. <ul style="list-style-type: none"> • Use in a spray program with BRAVO 720 (L7005) and AMISTAR (L6230).

POTATOES

Disease	Dosage	Remarks
Late blight (<i>P. infestans</i>)	2.5 ℓ/ha (ground- and aerial application)	<ul style="list-style-type: none"> • Apply in 500 ℓ/ha water (ground application) and 30 - 40 ℓ/ha water (aerial application).

TOMATOES

Disease	Dosage	Remarks
Late blight (<i>P. infestans</i>)	300 - 360 ml/100 ℓ water (1.5 - 7.2 ℓ/ha)	<ul style="list-style-type: none"> • Apply in 500 - 2 000 ℓ/ha spray mix depending on plant size. • Use the higher rate for cultivars more susceptible to the disease and under conditions of high disease pressure.

General remarks

- **RIDOMIL GOLD FLO** should only be applied during the pre-flower stage.
- Follow a protective program with unrelated fungicides and apply **RIDOMIL GOLD FLO** immediately after an infection period or disease warning. Repeat at 7 - 14-day intervals.
- **DO NOT WAIT UNTIL SYMPTOMS OCCUR BEFORE APPLYING RIDOMIL GOLD FLO.**

AMISTAR®, **BRAVO®** and **RIDOMIL®** are registered trade marks of a Syngenta Group Company. ***MEFENOXAM™** is the tradename of metalaxyl-M (ISO common name).

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