



syngenta

Reg. No. L8962 Act No. 36 of 1947 N-AR 1442 (Namibia)

A soluble concentrate systemic fungicide for the control of diseases in crops as indicated.

GROUP 4 FUNGICIDE

Active Ingredient:  
mefenoxam (phenylamide)..... 480 g/l

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WARNING

**Hazard statements:**

Harmful if swallowed. Causes serious eye irritation.

**Precautionary statements:**

**Prevention:** Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection/face protection. **Response:** If swallowed call a POISON CENTRE/doctor if you feel unwell. Rinse mouth. If eye irritation persists, get medical advice/attention. **Disposal:** Dispose of contents/container to an approved waste disposal plant.

**EMERGENCY TEL NO.:**  
+27 82 446 8946 (Griffon)

UN NOT REGULATED



Registration holder  
**Syngenta South Africa (Pty) Ltd**  
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**1. WARNINGS:**

**Hazard statement:** Harmful if swallowed. Causes serious eye irritation.

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

ALFALFA.....	60 days
ARTICHOKES.....	200 days
ASPAGUS.....	1 day
AVOCADO.....	30 days
BERRIES: BUSHBERRIES.....	14 days
BERRIES: CRANBERRIES.....	14 days
BULB VEGETABLES.....	14 days
CARROTS.....	21 days
CITRUS.....	30 days
CLOVER.....	90 days
CRUCIFERAE.....	7 days
CUCURBITS.....	5 days
FRUITING VEGETABLES.....	7 days
GRASS, FORAGE, FODDER AND HAY.....	60 days
HERBS.....	21 days
HOPS.....	45 days
KIWI FRUIT.....	30 days
LEAFY VEGETABLES.....	7 days
LETTUCE.....	7 days
PINEAPPLE.....	21 days
ROOT AND TUBER VEGETABLES.....	14 days
STONEFRUIT.....	30 days
STRAWBERRIES.....	7 days
SUGAR BEETS.....	14 days
TOBACCO.....	42 days
TREE NUTS.....	30 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.

- Handle with care.
- Harmful if swallowed, inhaled, or absorbed through the skin.

- Irritating to eyes.
- May cause sensitisation by skin contact.
- Toxic to animals.
- Store in a cool dry place.
- Store away from food and feed.
- Keep out of reach of children, uninformed persons and animals.
- **In the case of poisoning:** Call a doctor and present this label.
- **Re-entry:** Do not enter treated area within one (1) day after application 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 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:** **Prevention:** Wash skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear eye protection/face protection. **Response:** If swallowed, call a POISON CENTRE/doctor if you feel unwell. Rinse mouth. If eye irritation persists, get medical advice/attention. **Disposal:** Dispose of contents/container to an approved waste disposal plant.

- Do not inhale the spray mist and avoid contact with skin and eyes.
- Wear rubber gloves and a face shield when handling the concentrate. If you get it in your eyes, flush it out at once. If you get it on your skin, wash it off at once. If you spill it

- on your clothes, change and wash them.
- Do not eat, drink, or smoke while handling this product.
- Wash contaminated clothing daily.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three (3) times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsate to the contents of the spray tank before destroying the container in the prescribed manner.
- While spraying, avoid contact with the spray. Avoid spray drift onto other crops, grazing, rivers or dams.
- Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams. Destroy empty container and do not use for any other purpose. Change and wash your work clothes. Wash yourself.

### First Aid and Medical Treatment

- Eye contact:** Hold eyelids apart and pour in a gentle stream of water for 10 - 15 minutes. Go to a doctor.
- Ingestion: Do not induce vomiting.** Take patient and this product label to a doctor at once for medical treatment.

**Note to doctor:** If gastric lavage is performed, take care to prevent aspiration of gastric contents. Consider administration of activated charcoal and a laxative. Treat symptomatically.

### 3. RELEVANT SUBSTANCES:

<b>Chemical name</b>	
<b>metalaxyl-M (ISO)</b>	
<b>Classification</b>	<b>Concentration (% w/w)</b>
Acute Tox. 4; H302 Eye Dam. 1; H318	≥ 30 - < 50
<b>Chemical name</b>	
<b>acetophenone</b>	
<b>Classification</b>	<b>Concentration (% w/w)</b>
Acute Tox. 4; H302 Eye Irrit. 2; H319	≥ 10 - < 20
<b>Chemical name</b>	
<b>heptan-2-one</b>	
<b>Classification</b>	<b>Concentration (% w/w)</b>
Flam. Liq. 3; H226 Acute Tox. 4; H302 Acute Tox. 4; H332 STOT SE 3; H336 (central nervous system)	≥ 1 - < 10

### 4. RESISTANCE MANAGEMENT:

**RIDOMIL GOLD 480 SL** is a group code 4 fungicide and contains mefenoxam, a phenylamide. Any fungus population may contain individuals naturally resistant to **RIDOMIL GOLD 480 SL** and other group code 4 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 480 SL** or any other group code 4 fungicides.

### To avoid 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.

For specific information on resistance management contact the registration holder of this product (Syngenta South Africa) or visit the FRAC website at <http://www.frac.info/frac/index.html>.

### 5. USE RESTRICTIONS:

- Do not apply **RIDOMIL GOLD 480 SL** in tobacco seedbeds since this formulation may occasionally result in phytotoxicity of seedlings. Rather apply **APRON XL 350 ES** (L 6837) for this purpose.
- Only for use in flue cured tobacco varieties which have some degree of resistance against **black shank** (*Phytophthora nicotianae*). The product has been successfully tested in the Lowveld of Mpumalanga.
- Accelerated bio-degradation of mefenoxam is known to occur in the tobacco growing areas of Brits/Rustenburg and the Northern Province. This phenomenon may also develop in other areas.
- In certain soils, especially after prolonged or constant use of **RIDOMIL GOLD 480 SL**, an increase in the rate of bio-degradation of mefenoxam may occur resulting in reduced activity.

### 6. PRODUCT PROPERTIES:

**RIDOMIL GOLD 480 SL** is a systemic fungicide with preventative and curative activity against *Phytophthora* and *Pythium* spp. in soil and in plant tissue.

**RIDOMIL GOLD 480 SL** should always be used in conjunction with sound agricultural practices such as resistant varieties, crop rotation, optimal fertilisation, good drainage, etc.

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

#### AVOCADOS AND CITRUS

##### Application

- Before applying **RIDOMIL GOLD 480 SL**, remove all weeds under and around the trees.
- Applications should be made twice per season. The first application should coincide with new growth; usually shortly before the onset of the rainy season, and the second 16 - 20 weeks later. (This also usually coincides with an increase in the activity of the pathogen).
- Apply evenly as a soil drench at a rate of 2.1 ml of product diluted in at least 200 ml of water/m<sup>2</sup> or according to the table within the drip circle of the tree.

- Roots of avocado trees can extend up to one (1) meter outside the drip circle and it may be beneficial to treat an area larger than the drip circle.

**Quantity of RIDOMIL GOLD 480 SL required per application:**

Circle diameter to be treated (metre)	RIDOMIL GOLD 480 SL m <sup>2</sup> /tree
≤2	6.5
3	15.6
4	26
5	41.7
6	57.3
7	83.3
8	104.2
9	135.4
10	166.7

- It is beneficial to wash the fungicide into the soil with a light irrigation after treatment.
- Following treatment with **RIDOMIL GOLD 480 SL**, a foliage response can usually be expected during the second season after treatment, although a root response should occur during the first season. The further development of trunk lesions in the case of citrus will be stopped during the first season. Citrus yield increases are usually only observed in the second and third season after treatment.
- **RIDOMIL GOLD 480 SL** will not bring about an improvement in the condition of trees showing decline symptoms due to the presence of nematodes, pathogenic fungi other than *Phytophthora* and *Pythium* spp. or other soil conditions which are not favourable for optimum root development.
- The rate of recovery of trees already showing decline symptoms will depend on the degree of damage to the feeder root system (as well as to the stem in the case of citrus) at the commencement of treatment. The presence or absence of other complicating factors such as soil conditions, other diseases, etc. may also have an influence. It may be advantageous to cut back trees showing moderate to severe decline symptoms. It is, however, recommended to replace these trees.
- **RIDOMIL GOLD 480 SL** does not eradicate *Phytophthora* from the soil and the fungus may be reintroduced through irrigation and runoff water. It is important to monitor the situation and apply follow up treatments when *Phytophthora* levels in the soil increase.

**8. RECOMMENDATIONS:** Use only as indicated.

**ALFALFA**

Disease	Dosage
<b>Damping-off</b> ( <i>Pythium</i> spp.) <b>Root Rot</b> ( <i>Phytophthora</i> spp.)	<b>Soil injected or incorporated application</b> 0.3 - 0.6 l/ha or <b>Soil directed and foliar application</b> 0.3 l/ha
<b>Remarks</b>	

**ALFALFA cont.**

<b>Soil injected or incorporated broadcast spray</b> <ul style="list-style-type: none"> <li>• Apply as a soil surface spray at planting.</li> <li>• If alfalfa seed was previously treated with mefenoxam or metalaxyl as a seed dressing, use the 0.3 l/ha rate.</li> </ul>
<b>Soil directed broadcast application</b> <ul style="list-style-type: none"> <li>• Apply a soil surface spray at planting when inter-seeding into existing stands for renovation.</li> <li>• Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.</li> </ul>

**ASPARAGUS**

Disease	Dosage
<b>Crown Rot</b> <b>Spear Rot</b> ( <i>Phytophthora</i> spp.)	<b>Soil directed and foliar application</b> 1.2 l/ha
<b>Remarks</b> <b>Soil broadcast or band spray</b> <ul style="list-style-type: none"> <li>• For cutting beds, apply 30 - 60 days before the first cutting.</li> <li>• Apply again just before the beginning of harvest.</li> <li>• For new plantings, apply after planting seedlings or after covering one-year old crowns.</li> <li>• Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.</li> </ul>	

**AVOCADO**

Disease	Dosage
<b>Root Rot</b> ( <i>Phytophthora</i> spp.)	<b>See section 7 for specific directions</b>
<b>Remarks</b> <ul style="list-style-type: none"> <li>• <b>RIDOMIL GOLD 480 SL</b> must be applied initially for a maximum of two (2) seasons only, after which it is recommended to apply other suitable fungicides with different modes of action and to apply <b>RIDOMIL GOLD 480 SL</b> when <i>Phytophthora</i> levels increase.</li> </ul>	
<b>Young trees and interplants</b> <ul style="list-style-type: none"> <li>• <b>RIDOMIL GOLD 480 SL</b> is especially suited for use in establishing new plantings or orchards where trees must be replaced.</li> </ul>	
<b>Bearing trees</b> <ul style="list-style-type: none"> <li>• <b>RIDOMIL GOLD 480 SL</b> should be applied to trees showing decline symptoms as a result of <i>Phytophthora</i> and/or where laboratory studies have confirmed the presence of <i>Phytophthora</i>.</li> </ul>	

**BERRIES**

[**Bushberry subgroup:** Blueberries (high and low bush), currants, elderberry and gooseberry (including all hybrids, cultivars and varieties of these)]/**Caneberry (blackberry and raspberry) subgroup:** Blackberry, raspberry (red and black) and wild raspberry (including all hybrids, cultivars, and varieties of these)]

Disease	Dosage
<b>Root Rot</b> ( <i>Phytophthora</i> spp.)	<b>Soil injected or incorporated application</b> 4.2 l/ha or <b>Soil directed and foliar application</b> 40 ml/100 m row

**BERRIES** cont.**Remarks**

**Soil-injected or soil-incorporated applications** (broadcast or band spray)

**New Plantings**

- Make one (1) application at the time of planting.
- For band applications, use a 450 mm band.

**Soil-directed and other foliar applications** (band application)

**New Plantings**

- After initial at-planting application, re-apply once during a period favourable for root rot.

**Established Plantings**

- Make a soil directed application towards the base of the plant in a 900 mm band over the row before the plants start to grow.
- Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.

**Bushberries**

- **RIDOMIL GOLD 480 SL** will not revitalise plants showing moderate to severe root rot symptoms.

**Soil-directed and other foliar applications**

- One (1) additional application may be made to coincide with the period most favourable for root rot development.
- Do not exceed the equivalent of 4 kg active ingredient/ha per crop of soil-applied mefenoxam-containing products in a season.

**BULB VEGETABLES**

**(Dry Bulb:** Garlic, onions and shallots. **Green Bulb:** Chives, green onions, shallots, leeks and spring onions)

Disease	Dosage
<b>Damping-off</b> ( <i>Pythium</i> spp.)	<b>Soil injected or incorporated application</b> 0.6 - 1.2 ℓ/ha

**Remarks****Onions** (dry bulb)

- DO NOT exceed the equivalent of 1.12 kg active ingredient/ha per crop of soil-applied and 560 g active ingredient/ha per crop of foliar-applied mefenoxam-containing products.

**Onions** (green)

- DO NOT exceed the equivalent of 1.12 kg active ingredient/ha per crop of soil-applied and 336 g active ingredient/ha per crop of foliar-applied mefenoxam-containing products.

**Pre-plant incorporated** (broadcast or band)

- Apply in water or liquid fertiliser and mechanically incorporate in the top 5 cm of soil.

**Soil spray** (broadcast or band)

- Apply in water or liquid fertiliser at planting.
- For banded applications, a 18 cm band is recommended.
- Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.

**CITRUS**

Disease	Dosage
<b>Root Rot</b> <b>Colar Rot</b> ( <i>Phytophthora</i> spp.)	<b>See section 7 for specific directions</b>

**CITRUS** cont.**Remarks**

**RIDOMIL GOLD 480 SL** should only be applied every alternate season.

**Young trees and interplants**

- It is recommended that all new plantings and interplants be treated with **RIDOMIL GOLD 480 SL** at the time of transplanting.
- Where problems with fungi other than *Phytophthora* or *Pythium* are encountered, it is advisable to treat accordingly.
- It is generally recommended that a suitable nematicide is applied when transplanting.
- Young trees showing decline symptoms as a result of *Phytophthora* or where stem lesions and/or gummosis is present, should be treated with **RIDOMIL GOLD 480 SL** without delay.

**Bearing trees**

- **RIDOMIL GOLD 480 SL** should be applied to trees showing decline symptoms as a result of *Phytophthora* and/or where laboratory studies have confirmed the presence of *Phytophthora*.
- Stem lesions and gummosis are also indicative of the presence of *Phytophthora*.
- Generally, reactions in terms of increased yield will be observed during the second or third season after treatment.

**CLOVER**

Disease	Dosage
<b>Damping-off</b> ( <i>Pythium</i> spp.)	<b>Soil injected or incorporated application</b> 0.3 - 1.2 ℓ/ha
<b>Root Rot</b> ( <i>Phytophthora</i> spp.)	

**Remarks****Soil-injected or soil-incorporated applications**

- Apply as a broadcast soil surface spray at planting.
- If the clover seed was treated previously with mefenoxam or metalaxyl as a seed dressing, use the 0.3 ℓ/ha rate.
- Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.

**CRANBERRIES**

Disease	Dosage
<b>Phytophthora Root Rot</b> ( <i>Phytophthora</i> spp.)	<b>Soil directed and foliar application</b> 1.2 - 2 ℓ/ha

**Remarks**

- DO NOT apply more than 2.95 kg active ingredient/ha per crop of soil-applied mefenoxam-containing products.

**Soil broadcast spray**

- Apply three (3) times by ground equipment, but the third application should be no later than 45 days before harvest.
- Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.

**CRUCIFERAE**

[Broccoli, brussels sprouts, cabbage, cauliflower, collards, mustard greens and kale (including all cultivars and hybrids)]

## CRUCIFERAE cont.

Disease	Dosage
<b>Basal Stem Rot</b> ( <i>Phytophthora</i> spp.)	<b>Soil injected or incorporated application</b> 1.2 - 2.3 ℓ/ha
<b>Damping-off</b> ( <i>Pythium</i> spp.)	<b>Soil injected or incorporated application</b> 0.29 - 0.58 ℓ/ha
<b>Downy Mildew</b> ( <i>Peronospora parasitica</i> )	<b>Soil directed and foliar application</b> 0.14 - 0.29 ℓ/ha

### Remarks

- DO NOT exceed the equivalent of 1.12 kg active ingredient/ha per crop of soil-applied and 560 g active ingredient/ha per crop of foliar applied mefenoxam-containing products.
- DO NOT apply foliar sprays of **RIDOMIL GOLD 480 SL** without a registered compatible tank mix partner.
- DO NOT apply the **RIDOMIL GOLD 480 SL** mixture in fields where downy mildew is already established.
- A 18 cm band is recommended for banded applications.
- Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.

### Basal Stem Rot and Damping-off

#### Pre-plant incorporated (broadcast or band)

- Apply in water or liquid fertiliser and incorporate in the top 5 cm of soil.

#### Soil spray (broadcast or band)

- Apply in water or liquid fertiliser at planting.

#### Injection (drip irrigation)

- Inject **RIDOMIL GOLD 480 SL** into the irrigation water at the recommended rates.

### Damping-off

#### Pre-plant incorporated (broadcast or band)

- Apply in water or liquid fertiliser and incorporate in the top 5 cm of soil.

### Downy Mildew

#### Foliar spray (ground or air)

- RIDOMIL GOLD 480 SL** must be used in a tank mix with other compatible fungicides registered for the control of downy mildew.
- Apply with the full label rate of the tank mix partner fungicide.
- Apply when conditions are favourable for disease, but before infection, on a 14-day schedule.

## CUCURBITS

[Cucumber, gherkin, pumpkin, squash, melon and watermelon (including all hybrids and cultivars of these)]

Disease	Dosage
<b>Damping-off</b> ( <i>Pythium</i> spp.)	<b>Soil-injected or incorporated application</b> 1.2 - 2.3 ℓ/ha
<b>Root Rot</b> ( <i>Pythium</i> spp.)	<b>Soil directed and foliar application</b> 0.29 - 0.47 ℓ/ha

### Remarks

- DO NOT exceed the equivalent of 1.12 kg active ingredient/ha per crop of soil-applied and 580 g active ingredient/ha per crop of foliar-applied mefenoxam-

## CUCURBITS cont.

containing products.
<ul style="list-style-type: none"> <li>Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.</li> </ul>
<b>Soil-injected or soil-incorporated applications</b>
<ul style="list-style-type: none"> <li>Apply in water or liquid fertiliser and incorporate in the top 5 cm of soil.</li> </ul>
<b>Soil spray (broadcast or band)</b>
<ul style="list-style-type: none"> <li>Apply in water or liquid fertiliser at planting.</li> </ul>
<b>Injection (drip irrigation)</b>
<ul style="list-style-type: none"> <li>Inject <b>RIDOMIL GOLD 480 SL</b> into the irrigation water at the registered rates.</li> <li>A 18 cm band is recommended for banded applications.</li> </ul>
<b>Soil-directed and other foliar applications</b>
<b>Soil spray (directed)</b>
<ul style="list-style-type: none"> <li>If soil applications of <b>RIDOMIL GOLD 480 SL</b> were made at planting, two (2) supplemental applications at 20 - 30-day intervals may be made during the season.</li> <li>Direct the spray to the base of the plants and cover 15 - 20 cm of the soil on either side of the plants.</li> <li>Incorporate mechanically or sprinkler-irrigate to move the product into the root zone.</li> </ul>
<b>Injection (drip irrigation)</b>
<ul style="list-style-type: none"> <li>Inject the product into the irrigation water at the recommended rates.</li> </ul>

## FRUITING VEGETABLES

[(Except cucurbits) Eggplant, pepino, peppers (bell, chilli, cooking pepper, pimento and sweet pepper) and tomatillo]

Disease	Dosage
<b>Damping-off</b> ( <i>Pythium</i> spp.)	<b>Soil-injected or incorporated application</b> 1.2 ℓ/ha
<b>Crown Rot</b> ( <i>Phytophthora capsici</i> )	
<b>Crown Rot</b> ( <i>Phytophthora capsici</i> )	<b>Soil directed and foliar application</b> 1.2 ℓ/ha

### Remarks

- May cause some yellowing of pepper leaves.
- Apply before the plants are infected to obtain satisfactory control.
- Plants already infected with *Phytophthora* cannot be cured with **RIDOMIL GOLD 480 SL**.
- The foliar blight phase of *Phytophthora* cannot be controlled with foliar applications of **RIDOMIL GOLD 480 SL**.
- DO NOT exceed the equivalent of 1.68 kg active ingredient/ha per crop of soil-applied mefenoxam-containing products and 560 g active ingredient/ha per crop of foliar-applied mefenoxam-containing products.
- Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.

### Soil-injected or soil-incorporated application

#### Soil spray (broadcast or band)

- Apply in water or liquid fertiliser preplant or at planting.
- For direct seeded peppers, apply preplant or prior to emergence.
- Use a 300 - 400 mm band for banded applications.

#### Injection (drip irrigation)

- Inject **RIDOMIL GOLD 480 SL** into the irrigation water.
- Make up to two (2) additional applications on a 30-day

## FRUITING VEGETABLES cont.

schedule following initial application at planting.
<b>Soil-directed and other foliar applications</b> <b>Banded spray</b> <ul style="list-style-type: none"> <li>• Make two (2) directed applications at 30-day intervals following transplanting.</li> <li>• Direct the spray to the base of the plants and cover 15 - 20 cm of the soil on either side of the plants.</li> <li>• Incorporate mechanically or sprinkler-irrigate to move the product into the root zone.</li> </ul> <b>Shank application</b> <ul style="list-style-type: none"> <li>• Apply in liquid fertiliser, shanked in as a banded treatment to either side of the plant.</li> </ul>

## GRASS, FORAGE, FODDER AND HAY

(Enclosed pasture grasses or grasses grown for hay or silage such as bermuda grass, bluegrass, brome grass or fescue)

Disease	Dosage
<b>Seedling Diseases</b> ( <i>Pythium</i> spp.)	<b>Soil-injected or incorporated application</b> 0.3 - 1.2 l/ha
<b>Remarks</b> <ul style="list-style-type: none"> <li>• Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.</li> </ul>	
<b>Soil-injected or soil incorporated applications - soil spray</b> (broadcast) <ul style="list-style-type: none"> <li>• Apply as a broadcast soil surface spray at planting.</li> <li>• If the grass seed was previously treated with mefenoxam or metalaxyl as a seed dressing, use a rate of 0.29 - 0.58 l/ha.</li> </ul>	

## HERBS

[(Fresh and dried) Basil, bay, camomile, chive, coriander, curry leaf, dill, lavender, lemongrass, marigold, parsely (dried), rosemary, thyme and wintergreen]

Damping-off ( <i>Pythium</i> spp.)	Soil-injected or soil-incorporated or Soil-directed and foliar application
	1.2 - 2.3 l/ha
<b>Remarks</b> <ul style="list-style-type: none"> <li>• DO NOT exceed the equivalent of 2.24 kg active ingredient/ha per crop of soil-applied mefenoxam-containing products.</li> <li>• Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.</li> </ul>	
<b>Soil-injected or soil incorporated applications</b> <b>Pre-plant incorporated</b> (broadcast or band) <ul style="list-style-type: none"> <li>• Apply in water or liquid fertiliser and mechanically incorporate in the top 5 cm of soil.</li> </ul> <b>Soil spray</b> (broadcast or band) <ul style="list-style-type: none"> <li>• Apply in sufficient water to provide uniform coverage.</li> <li>• A 18 cm band is recommended for banded applications.</li> </ul> <b>Banded spray</b> <ul style="list-style-type: none"> <li>• Apply as a basally directed spray at 28 days after planting or after the first cutting.</li> <li>• Direct the spray toward the base of the plants and cover 15 - 20 cm on each side of the plants (30 - 40 cm band width/row).</li> </ul>	

## HOPS

Disease	Dosage
<b>Damping-off</b> ( <i>Pythium</i> spp.)	<b>Soil-directed and foliar application</b> 0.585 l/ha
<b>Remarks</b> <b>Soil drench</b> <ul style="list-style-type: none"> <li>• Apply in water or liquid fertiliser to the soil over the crowns after pruning, but before training.</li> <li>• Apply early when shoots are 15 cm or less.</li> </ul> <b>Foliar spray</b> <ul style="list-style-type: none"> <li>• After the first sign of secondary infection, apply in combination with copper fungicides. Apply by ground in a minimum of 470 l of water per ha.</li> <li>• DO NOT exceed the equivalent of 280 g active ingredient/ha per crop of soil-applied and 560 g active ingredient/ha per crop for foliar applied mefenoxam-containing products.</li> <li>• DO NOT apply <b>RIDOMIL GOLD 480 SL</b> without a copper fungicide registered for hops.</li> <li>• Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.</li> </ul>	

## KIWI FRUIT

Disease	Dosage
<b>Root and Crown Rot</b> ( <i>Pythium</i> spp. <i>Phytophthora</i> spp.)	<b>Soil-drench</b> 0.11 - 0.22 l /100 l water or <b>Banded application</b> 0.22 l/100 l water
<b>Remarks</b> <b>Soil drench</b> <ul style="list-style-type: none"> <li>• Apply 1.0 l of <b>RIDOMIL GOLD 480 SL</b> solution as a soil drench in a 900 cm<sup>2</sup> area around the base of each vine. At the recommended rate, this will apply 196 - 392 g active ingredient/ha if the planting density is 400 vines/ha.</li> <li>• Make the first application after harvest.</li> </ul> <b>Banded soil application</b> <ul style="list-style-type: none"> <li>• Make up to five (5) applications at 30-day intervals as a spray toward the soil in a 60 - 90 cm band on each side of the row.</li> <li>• Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.</li> </ul>	

## LEAFY VEGETABLES

[(Except brassica) Celery, chrysanthemum, cress, dandelion, lettuce (head and leaf), parsley, rhubarb, spinach and swiss chard]

Disease	Dosage
<b>Damping-off</b> ( <i>Pythium</i> spp.)	<b>Soil-injected or incorporated application</b> 1.2 - 2.3 l/ha
<b>Remarks</b> <b>Preplant incorporated</b> (broadcast or band) <ul style="list-style-type: none"> <li>• Apply in water or liquid fertiliser and mechanically incorporate in the top 5 cm of soil.</li> </ul> <b>Soil spray</b> (broadcast or band) <ul style="list-style-type: none"> <li>• Apply in water or liquid fertiliser at planting.</li> <li>• An 18 cm band is recommended for banded</li> </ul>	

## LEAFY VEGETABLES cont.

applications.

- Make no more than one (1) soil application.
- Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.

## LETTUCE

(Leaf and head)

Disease	Dosage
<b>Downy mildew</b> ( <i>Bremia lactucae</i> )	<b>Soil-directed and foliar application</b> 0.15 - 0.29 l/ha
<b>Remarks</b> <b>Foliar spray</b> (ground or air) <ul style="list-style-type: none"> <li>• <b>RIDOMIL GOLD 480 SL</b> must be used in a tank mix with other fungicides registered for control of downy mildew.</li> <li>• Apply with the full label rate of the tank mix partner fungicide.</li> <li>• Apply when conditions are favourable for disease, but before infection on a 14 day schedule.</li> <li>• DO NOT apply the <b>RIDOMIL GOLD 480 SL</b> mixture in fields where downy mildew is already established.</li> <li>• DO NOT exceed the equivalent of 1.12 kg ai/ha per crop of soil-applied and 448 g active ingredient/ha per crop of foliar-applied mefenoxam-containing products.</li> <li>• DO NOT apply foliar sprays of <b>RIDOMIL GOLD 480 SL</b> without a compatible registered tank mix partner.</li> </ul>	

## PINEAPPLE

Disease	Dosage
<b>Basal Rot</b> <b>Root rot</b> ( <i>Phytophthora</i> spp.)	<b>Soil-directed application</b> 0.52 - 1.04 l/ha
<b>Remarks</b> <ul style="list-style-type: none"> <li>• Apply the higher dosage rate where infection pressure is high.</li> <li>• Apply as an overall application to fields prior to planting and incorporate to a depth of 10 cm.</li> <li>• Where planting ridges are used, ensure that the product is thoroughly mixed into the ridge.</li> <li>• Follow-up applications of <b>RIDOMIL GOLD 480 SL</b> as a foliar treatment 3 - 6 months after planting may be necessary, depending on the season.</li> </ul>	

## ROOT AND TUBER VEGETABLES

[Artichoke, beet, carrots, cassava, celery root, ginger, ginseng, horseradish, parsley (turnip rooted), parsnip, radish, sweet potato, turnip and turmeric]

Disease	Dosage
<b>Pythium root rot</b> ( <i>Pythium</i> spp.) <b>Phytophthora root rot</b> ( <i>Phytophthora</i> spp.)	<b>Soil-injected or incorporated application</b> 1.2 - 2.3 l/ha
<b>Preplant incorporated</b> (broadcast or band) <ul style="list-style-type: none"> <li>• Apply in water or liquid fertiliser and mechanically incorporate in the top 5 cm of soil.</li> </ul> <b>Soil spray</b> (broadcast or band) <ul style="list-style-type: none"> <li>• Apply in water or liquid fertiliser at planting.</li> <li>• A 18 cm band is recommended for banded applications.</li> <li>• Applications to the soil must be followed by irrigation</li> </ul>	

## ROOT AND TUBER VEGETABLES

with 25 mm of water to promote movement of product into the root zone.

## STONE FRUIT

(Apricots, cherries, nectarines, peaches, plums and prunes)

Disease	Dosage
<b>Crown rot</b> <b>Collar rot</b> <b>Root rot</b> ( <i>Phytophthora</i> spp.)	<b>Soil-directed and foliar application</b> 4.7 l/ha
<b>Remarks</b> <b>NOTE: For use on non-fruit bearing trees only.</b> <b>Soil spray</b> (broadcast or band) <ul style="list-style-type: none"> <li>• Apply under the tree canopy to cover the root zone two (2) weeks after planting (new plantings) or before growth begins (established plantings).</li> <li>• Additional applications may be made at 2 - 3-month intervals, depending on disease pressure.</li> <li>• Make up to three (3) applications per year. Apply before symptoms appear. <b>RIDOMIL GOLD 480 SL</b> will not revitalise trees showing moderate to severe disease symptoms.</li> <li>• For high density plantings (2 - 3 times the normal planting rate), apply on a per area basis (100 m<sup>2</sup>).</li> <li>• DO NOT concentrate spray around tree trunks and DO NOT apply to trees under stress.</li> <li>• DO NOT apply to newly planted trees within 45 days of planting. On some varieties, chlorosis may occur on leaf margins.</li> <li>• DO NOT graze livestock in treated areas.</li> <li>• DO NOT graze or feed cover crops grown in treated orchards.</li> <li>• DO NOT exceed the equivalent of 6.73 kg active ingredient/ha per crop of soil-applied mefenoxam-containing products.</li> <li>• Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.</li> </ul>	

## STRAWBERRIES

Disease	Dosage
<b>Vascular collapse</b> ( <i>Phytophthora cactorum</i> ) <b>Leather rot</b> ( <i>Phytophthora cactorum</i> )	<b>Soil-injected or incorporated application</b> or <b>Soil-directed and foliar application</b> 1.2 l/ha
<b>Remarks</b> <b>Annual plantings</b> <ul style="list-style-type: none"> <li>• Apply up to three (3) times per crop.</li> <li>• Make the first application after transplanting.</li> <li>• Make the second application 30 days before the beginning of harvest or at fruit set. Apply the third application later, depending on disease pressure and environmental conditions.</li> </ul> <b>Established plantings</b> <ul style="list-style-type: none"> <li>• Apply up to three (3) times per crop.</li> <li>• Make the first application before first bloom.</li> <li>• Make a second application after harvest. For control of leather rot, make a supplemental application during the growing season at fruit set.</li> <li>• When applying through drip irrigation, calculate the rate as a band application with a band width equal to the root zone width.</li> </ul>	

**STRAWBERRIES** cont.

- Inject **RIDOMIL GOLD 480 SL** into the irrigation system.
- DO NOT exceed the equivalent of 1.68 kg active ingredient/ha per crop of soil-applied mefenoxam-containing products.
- Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.

**SPINACH**

Disease	Dosage
<b>Downy Mildew</b> ( <i>Peronospora effusa</i> )	<b>Soil-injected or incorporated application</b> 0.30 l/ha
<b>Remarks</b> <b>Shank application</b>	
<ul style="list-style-type: none"> <li>• Shank in <b>RIDOMIL GOLD 480 SL</b> 21 days after planting or after the first cutting.</li> <li>• Another application may be shanked in after the next cutting.</li> <li>• A total of two (2) shanked applications may be made on a 21-day interval.</li> <li>• DO NOT exceed the equivalent of 1.12 kg active ingredient/ha per crop of soil-applied mefenoxam-containing products at planting and 280 g active ingredient/ha per crop of soil-applied post planting, shanked-in applications of mefenoxam-containing products.</li> <li>• DO NOT exceed the equivalent of 1.12 kg active ingredient/ha per crop of soil-applied mefenoxam-containing products at planting and 448 g active ingredient/ha per crop of foliar-applied mefenoxam-containing products.</li> </ul>	

**SUGAR BEETS**

Disease	Dosage
<b>Pythium root rot</b> ( <i>Pythium</i> spp.)	<b>Soil-directed and foliar application</b> 1.2 - 2.3 l/ha
<b>Remarks</b> <b>Preplant incorporated</b> (broadcast or band)	
<ul style="list-style-type: none"> <li>• Apply in water or liquid fertiliser and mechanically incorporate in the top 5 cm of soil.</li> </ul>	
<b>Soil spray</b> (broadcast or band)	
<ul style="list-style-type: none"> <li>• Apply in water or liquid fertiliser at planting.</li> <li>• For banded applications, a 18 cm band is recommended.</li> <li>• Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.</li> </ul>	

**TOBACCO**

Disease	Dosage
<b>Black shank</b> ( <i>Phytophthora nicotianae</i> )	<b>Single application</b> 1.5 - 2 l/ha prior to transplant or <b>Split application</b> 1.2 l/ha prior to transplant and repeat with 0.6 l/ha 4 - 5 weeks later
<b>Remarks</b>	
<ul style="list-style-type: none"> <li>• <b>DO NOT apply RIDOMIL GOLD 480 SL as a foliar application or during transplant.</b></li> </ul>	

**TOBACCO** cont.

- Failure to adequately control nematodes in fields treated with **RIDOMIL GOLD 480 SL** may result in poor control of black shank.
- Apply as a soil drench and direct spray over the planting ridges.
- Apply in sufficient water to leach the product into the root zone of the plants.
- The lower rate should be used for resistant or moderately resistant tobacco varieties.
- For prolonged disease control in field tobacco, a split application is recommended Apply the first application at 1.2 l/ha prior to transplant.
- Direct spray over the planting ridges.
- The second application must be applied at 0.6 l/ha as a directed spray at the last ridging approximately 4 - 5 weeks later.

**Soil-injected or soil-incorporated application**

- Before or at the time of planting. Use the higher application rate on broadleaf tobacco.
- Apply in 0.55 l water/ha.
- Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone..

**TREE NUTS**

(Almond, cashew, walnut, macadamia, pecan and pistachio)

Disease	Dosage
<b>Crown Rot</b> <b>Collar Rot</b> <b>Root Rot</b> ( <i>Phytophthora</i> spp.)	<b>Soil-directed application</b> 4.7 l/ha or 48 ml/100 m <sup>2</sup>
<b>Remarks</b> <b>Soil spray</b> (broadcast or band)	
<ul style="list-style-type: none"> <li>• Apply under the tree canopy to cover the root zone in the spring before growth begins (established plantings).</li> <li>• Additional applications may be made at 2 - 3-month intervals, depending on disease pressure.</li> <li>• Make up to three (3) applications per year and apply before symptoms appear.</li> <li>• <b>RIDOMIL GOLD 480 SL</b> will not revitalise trees showing moderate to severe disease symptoms.</li> <li>• For high density plantings (2 - 3 times the normal planting rate), apply on a per area basis (100 m<sup>2</sup>). DO NOT concentrate spray around tree trunks and DO NOT apply to trees under stress.</li> <li>• DO NOT apply to newly planted trees within 45 days of planting. On some varieties, chlorosis may occur on leaf margins.</li> <li>• DO NOT graze livestock in treated areas.</li> <li>• DO NOT graze or feed cover crops grown in treated orchards.</li> <li>• DO NOT exceed the equivalent of 6.73 kg active ingredients/ha per crop of soil-applied mefenoxam-containing products.</li> <li>• Applications to the soil must be followed by irrigation with 25 mm of water to promote movement of product into the root zone.</li> </ul>	

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