

**RIDOMIL® GOLD**

**Systemic and residual fungicide for the control of early and late blights on potatoes, tomatoes, grapes, downy mildews in all crops including roses; fungal leaf spot diseases and damping-off in vegetables.**

**Wettable powder/Unga mdodevu**

**Active ingredient content/Kiamato amalifu:**  
40g/kg Metalaxyl-M + 640 g/kg Mancozeb

**Storage:** Store away from sun and damp. Do not ingest or inhale spray mist. Keep out of reach of children and animals.

**Shelf life:** At least 2 years from date of manufacturing, in original sealed packages.

**"FOR USE AS FUNGICIDE ONLY"**  
**"ITUMIKI TUU KAMA KIUAKUVU"**

**READ THE LABEL AND ATTACHED PACKAGING LEAFLET BEFORE USING**

Kiwango cha Sumu/Hazard Classification:  
WHO Class III

Approved by TPRI, Arusha  
Imethibitishwa na TPRI, Arusha

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® = Alama ya biashara ya kampuni ya Syngenta

**Manufacturer/Watengenezaji:** Syngenta Crop Protection AG, Basle, Switzerland  
**Hifadhi:** Hifadhi dawa mahali pakavu penye kituli.

**Dawa bora ya kuzuia na kuponya kuvu (ukungu) kwenye viazi, nyanya, mboga za majani, mizabibu, na maua ya waridi.**

Usimeze dawa wala usivute hewa yenye dawa. Weka mbali na watoto na mifugo.

**Maisha rafuni:** Si chini ya miaka miwili kuanzia siku ya kutengenezwa, ikwa katika viwekeo vyake asilia vilivyofungwa.

**KABLA YA KUTUMIA DAWA HII, HAKIKISHA UMESOMA MAELEZO YOTE YALIYOAMBATANISHWA**

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**syngenta**

Colour band:BLUE

#### Mode of Action

Ridomil Gold has residual and systemic action. Metalaxyl-M is a systemic fungicide which is rapidly taken up by the green plant parts (within 30 minutes), and transported upwards (acropetally) in the cell and is distributed in the leaves. It provides control of fungi from within the plant, inhibiting fungal growth and reproduction, and protects new growth produced after application.

Mancozeb is a protective residual fungicide, which provides a protective film over the plant surfaces, and inhibits germination of the spores.

By combining these two ingredients, Ridomil Gold provides excellent disease control from within the plant and externally.

#### Spectrum of activity

Ridomil Gold when well timed and with repeated application, gives control of a wide range of fungus diseases on many field crops and vegetables such as:

Potatoes: *Phytophthora infestans*, *Alternaria* spp. (foliar and tuber blight).

Tomatoes: *P. infestans*, *Alternaria* spp; *Septoria* spp; ( both blights and leaf spots).

Vegetables: *Peronospora parasitica* , damping off, Stem rot, and downy mildews, *Septoria* spp, *Alternaria* spp, (blights).

Roses: Downy mildew (*Peronospora sparsa*).

Change over to a contact fungicide when active foliar growth has ceased. Apply a maximum of three sprays of Ridomil Gold on vegetables, potatoes and roses, then change to a contact fungicide.

Ridomil Gold must be applied as a protective spray before outbreak of the diseases. Under severe disease conditions, use a spray interval of 10 days. When changing from Ridomil Gold to a contact fungicide, apply within 7 – 10 days of the last application of Ridomil Gold.

Ridomil Gold will have a good effect on other diseases against which mancozeb is effective. However, these diseases are not controlled sufficiently under high disease pressure and in 10 – 14 days spraying interval. If weather conditions favour their development, a recommended fungicide should be applied according to label directions between each

Ridomil Sprays, 5-7 days after the last application of Ridomil Gold.

#### Hand-operated knapsack sprayers (small holders):

The measure inside each Ridomil Gold bag, holds approximately 40g. Mix 3 measures (120g Ridomil Gold) to every 20 litres of water to be used. Use at least 400 litres spray volume per hectare ( 160 lts / acre).

**Crop tolerance:** When used as recommended Ridomil Gold can be applied without risk of phytotoxicity.

#### Spray Volumes

Use sufficient water to obtain thorough coverage of the foliage but avoid excessive run-off. If less water is used, the concentration of the spray mixture has to be increased accordingly.

Volumes of spray liquid per hectare under average conditions:

Potatoes 300 – 1000 litres

Vegetables 500 - 1500 litres

Use Hollow Cone or Flat Fan nozzles

#### Mixing

First mix the quantity of product required with a little water to make a slurry. Pour the slurry through a sieve into the required volume of water in the spray tank. Ensure thorough agitation during filling and spraying. Use clean water for mixing and spraying.

#### Compatibility

Ridomil Gold is compatible with most fungicides, insecticides, acaricides and foliar nutrients used in the listed crops. In case of doubt, a physical compatibility test should be carried out.

#### Pre-Harvest Intervals

Hops, Spinach, Lettuce, Beans	14 days	Tomatoes, Cucurbits	3 days
Onions, Brassicas			7 days

#### Operator safety

DO NOT ingest. Avoid contact of skin and eyes with the concentrate or spraying mixture. Avoid breathing dust and spray mist. Wear protective clothing such as gumboots, overalls, gloves and face shield when working with the product. Immediately wash-off accidental splashes with soap and water. After work, change work clothes and wash exposed parts of the body. DO NOT eat, drink or smoke while working with the product. Wash hands and face thoroughly before doing so.

#### Storage

Store in original tightly closed containers, away from sun and damp, out of reach of children, animals and unauthorized people. Do not store together with foods, feeds or drinks. Avoid storage above 35°C. Prolonged storage above 35°C may reduce shelf life and activity of the product.

#### Product and container disposal

Dispose of surplus product on a landfill site approved for pesticides, or bury in a safe place away from water sources. Dilute surplus spraying mixture, pour it broadcast on fallow land. Empty containers should be destroyed and buried or burnt in a safe place.

DO NOT re-use empty pesticide containers for any other purpose, especially not for storing food, feeds or drinking water.

#### Spillage and leakage

Remove heavily contaminated soil layer and bury in a safe place away from water supplies.

Spillage: Soak up with absorbent material such as sand, sawdust, or soil; collect the contaminated material thoroughly and bury in a safe place or put it in a safe bin or a plastic bag, mark it and dispose of in a landfill site approved for pesticides. Treat spill area with plenty of water. Spilt product should not be used.

#### Environment and wildlife

Toxic to fish. DO NOT contaminate water used for irrigation or domestic purposes, or water areas stagnant or running water or drainage systems by disposal of product waste. Keep all livestock out of area to be treated. DO NOT contaminate food or feeds.

**Directions for Use**

**To avoid risks to man and the environment, comply with the instructions for use.**

Failure to follow directions on this leaflet may result in crop injury or poor disease control.

<u>Crop</u>	<u>Disease</u>	<u>Dosage rate</u>		<u>Interval (days)</u>	<u>Timing</u>
		<u>kg/ha</u>	<u>(g/100 lt)</u>		
Potatoes	<i>P. infestans</i> (late blight)	2.5	(250)	10-14	Use Ridomil Gold Mz 68WP for the first application when weather conditions favour disease development but before infection has occurred. First spray latest when crop meets along the rows.
Tomatoes	<i>P. infestans</i> (late blight)	3-3.5	(300-350)	7-10	
Vegetables:			(250)	10-14	First application when weather conditions favour disease development. Begin spraying when weather conditions favour disease development, but before infection has occurred.
Beans	<i>P. vicia</i>				
Brassicas					
<i>P. parastica</i>					
Cucurbits	<i>P. cubensis</i>				
Hops	<i>P. humuli</i>				
Onions	<i>P. destructor</i>				
Spinach *	<i>P. farinose</i>				
Lettuce	<i>Bremia lact.</i>				
Roses	<i>P. sparsa</i> (downy mildews)	2-2.5	( 250-300)	10-14	Begin spraying when conditions favour disease development Prior to planting apply as a crow dip of transplants. Apply as a foliar drench 2,000 – 3,000 lt/ ha.
Pineapples	<i>P. cinnamon</i> <i>P. parasitica</i>	2.5 6			

**FIRST AID INSTRUCTIONS**

If poisoning is suspected, immediately call a physician and show him this leaflet. Place the patient in a well-ventilated area and strip off the contaminated clothes.

Wash contaminated skin with water and soap, eyes with plenty of clean running water. If product was ingested, repeatedly administer medicinal charcoal in plenty of water. Do not administer anything by mouth to an unconscious person.

**TOXICOLOGICAL INFORMATION**

Ridomil Gold is non-flammable and of slight toxicity to mammals. No case of human poisoning is on record.

**WHO Classification:** Class III (unlikely to present acute hazard in normal use).

**Antidote:** No specific antidote is known. Apply symptomatic therapy.

**Shelf life:** At least two years from the date of manufacture in original, sealed containers.

**Warning**

Ridomil Gold contains metalaxyl-M. Experience has shown that strains of fungus resistant to metalaxyl may develop, resulting in a reduction in the efficacy of the product and thus in yield losses. Since the occurrence of resistance can not be foreseen, Syngenta accepts no responsibility for any loss or damage to crops resulting from the failure of the product to control these resistant strains.

**User's risk**

The manufacturer warrants the quality to their product so long as they are acquired in original sealed packages.

The user bear the risk of damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

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**Before using the product, please read the attached label and accompanying packaging leaflet.  
Use pesticides safely**

**Emergency Call:** Syngenta Alarm Centre, Huddersfield, UK;  
Phone: + 44 1484 538 444, Fax: + 44 1484 433 197