

GROUP 4 FUNGICIDE

PULL HERE TO OPEN ►



# Orondis® Gold B

syngenta.

## Fungicide

For the control of certain diseases in various crops caused by the Oomycete class of fungi

*Active Ingredient:*

Mefenoxam\* ..... 45.3%

*Other Ingredients:* ..... 54.7%

*Total:* ..... 100.0%

\*CAS Nos. 70630-17-0 and 69516-34-3

Orondis® Gold B is formulated as a soluble concentrate and contains 4 lb active ingredient per gallon.

## KEEP OUT OF REACH OF CHILDREN. CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-1202 EPA Est. 072344-MO-004

Product of Switzerland

SCP 1202B-L1B 0217 4083808

### 2.5 quarts

(80 fluid ounces) Net Contents



<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by the poison control center or doctor.</li> <li>• Do not give anything to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

*continued...*

**FIRST AID (continued)**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**HOT LINE NUMBER**

For 24-Hour Medical Emergency Assistance (Human or Animal) or  
Chemical Emergency Assistance (Spill, Leak, Fire, or Accident)

Call

**1-800-888-8372**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION**

Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are listed below.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, (barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or Viton®)
- Shoes plus socks

**User Safety Requirements**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Controls**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**User Safety Recommendations****Users should:**

- Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## **PRECAUTIONARY STATEMENTS (continued)**

### **Environmental Hazards**

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwater or rinsate.

### **Groundwater Advisory**

Mefenoxam is known to leach through the soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

### **Surface Water Advisory**

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours.

### **Physical or Chemical Hazards**

Do not use or store near heat or open flame.

## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.**

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE**

**REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DO NOT APPLY this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

### **AGRICULTURAL USE REQUIREMENTS (continued)**

**Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours.** For crop uses that fall under this REI, see Part 2, *Soil-Directed and Other Foliar Applications* under *Directions for Use* of this label.

**Exception:** If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area immediately if there will be no contact with anything that has been treated. For crop uses that fall under this Exception, see Part 1, *Soil-Injected or Soil-Incorporated Applications* under *Directions for Use* of this label.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves, (barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or Viton)
- Shoes plus socks

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND RESTRICTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, OR ILLEGAL RESIDUES.**

### **PRODUCT INFORMATION**

Orondis Gold B is a systemic fungicide for use on selected crops to control certain diseases caused by members of the Oomycete class of fungi.



## PRODUCT USE RESTRICTIONS

Do not use Orondis Gold B in greenhouses or other structures such as lath houses, float houses, and hydroponic facilities.

Do not use Orondis Gold B for disease control in bedding plants, transplant trays, or nurseries except where specifically allowed in certain crop sections.

**DO NOT USE ORONDIS GOLD B AS A FOLIAR APPLICATION UNLESS SPECIFIED ON THIS LABEL.**

Do not dip plants or roots, spray bare roots, or use a transplant water treatment with solutions containing Orondis Gold B except where specifically allowed in certain crop sections.

Under conditions conducive to severe disease pressure, additional fungicide applications may be applied using an alternate fungicide registered for the crop/disease appearing on this label.

Where rate ranges are specified on this label, use the higher specified rate when heavy disease pressure is expected and the lower specified rate when disease pressure is expected to be light, unless otherwise noted.

Where mefenoxam/metalaxyl products used allow the same maximum poundage of active ingredient per acre per calendar year:

If more than one product containing a mefenoxam/metalaxyl active ingredient is used on an acre during the same calendar year and the mefenoxam/metalaxyl products used allow the same maximum poundage of active ingredient per acre per calendar year, then the total poundage of all such mefenoxam/metalaxyl products used must not exceed any of the specified individual mefenoxam/metalaxyl product maximum poundage of active ingredient allowed per acre per calendar year.

Where mefenoxam/metalaxyl products used allow different maximum poundage of active ingredient per acre per calendar year:

If more than one product containing an mefenoxam/metalaxyl active ingredient is used on an acre during the same calendar year and the mefenoxam/metalaxyl products used allow different maximum poundage of active ingredient per acre per calendar year, then the total poundage of all such mefenoxam/metalaxyl products used must not exceed the lowest specified individual mefenoxam/metalaxyl product maximum poundage of active ingredient allowed per acre per calendar year.

Soil-applied maximum application rates include all uses in Part 1 and all uses in Part 2 except foliar applications.

### **Replanting**

If replanting is necessary, additional applications of Orondis Gold B may be made, provided that the total amount of active ingredient in Orondis Gold B applied does not exceed the maximum allowed for the specific crop.

## **PRODUCT USE INSTRUCTIONS**

**Application:** Apply Orondis Gold B by ground in sufficient water or liquid fertilizer to provide uniform coverage of the soil surface. Apply in a minimum of 20 gal per acre for ground applications. Refer to the *Directions for Use* for specific crop application directions. Refer to *Application Instructions* for band and in-furrow calculations.

**Moving Orondis Gold B into the Root or Seed Zone:**

To ensure maximum activity on soilborne pathogens, Orondis Gold B must be moved into the seed or root zone of the plant. Follow the specific crop directions. Placement in the seed or root zone includes in-furrow sprays, soil injections, crown dips. Incorporation includes preplant incorporated applications, soil drenches, or shank applications. For soil surface sprays, rainfall will move the fungicide into the seed or root zone, but if rain is not expected within 24 hours after application, mechanically incorporate (before planting) or sprinkler irrigate (after planting) with 1/2 to 1 inch of water.

**Efficacy:** Under certain conditions conducive to extended infection periods, use another registered fungicide for additional applications if maximum amount of Orondis Gold B has been used. If resistant isolates to Group 4 fungicides are present, efficacy can be reduced. Under high disease pressure, it is recommended to use the highest specified rate and shortest specified interval when needed.

**Crop Tolerance:** Plant tolerance has been found acceptable for all crops on the label, however, not all possible tank-mix combinations have been tested under all conditions. When possible, it is recommended to test the combinations on a small portion of the crop to ensure a phytotoxic response will not occur as a result of application.

**Spray Drift Management:** To avoid spray drift, do not apply when conditions favor drift beyond the target area. Avoid spray overlap as crop injury may occur. The interaction of many equipment and weather related factors determine the potential for spray drift. AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR AND THE GROWER. More information on managing spray drift can be found on the Syngenta Crop Protection website under Stewardship <http://www.syngentacropprotection-us.com/enviro/driftmanagement/>

**IPM:** Orondis Gold B should be integrated into an overall disease and pest management strategy (IPM) whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. Consult your local agricultural authorities for additional IPM strategies established for your area.

Rotation Crop	Planting Time From Last Orondis Gold B Application
Alfalfa (birdsfoot trefoil) Apple Artichoke, Globe Asparagus Avocados Bushberry Subgroup 13-07B (e.g., blueberries, cranberries) Caneberry Subgroup 13-07A (e.g. blackberry and raspberry) Carrots Citrus Clover Corn Brassica (Cole) Leafy Vegetables (e.g., broccoli, cabbage, cauliflower) Cotton Cucurbit Vegetables (e.g., cucumber, melons, squash) Fruiting Vegetables (e.g., tomatoes, peppers, eggplant) Ginseng Grapes Grass, Forage, Fodder and Hay Herbs (fresh and dried)	0 days

*continued...*

Rotation Crop	Planting Time From Last Orondis Gold B Application
<p><i>(continued)</i>  Hops  Leafy Vegetables, except Brassica (e.g., lettuce, spinach, celery)  Legume Vegetables (e.g., beans and peas, succulent and dried)  Onions (dry bulb, garlic, and green)  Peanuts  Pineapples  Root and Tuber Vegetables (e.g. potatoes, carrots, sugar beets)  Soybeans  Stone fruits  Strawberries  Sunflower  Tobacco  Tomato  Tree nuts  Tropical fruits (e.g. papaya, mango, kiwifruit)</p>	<p>0 days</p>
Cereal Grains (except Corn)	14 days
Crops <b>Not Intended</b> for Food or Feed	0 days
All Other Crops <b>Intended</b> for Food or Feed	12 months

## RESISTANCE MANAGEMENT

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Orondis Gold B is in the Group 4 class of fungicide having a specific mode of action and is subject to the development of insensitive strains of fungi. Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for the crop and use area. Consult your local or state agricultural authorities for resistance management strategies that are complementary to those in this label. Resistance management strategies may include rotating and/or tank mixing with products having different modes of action or limiting the total number of applications per season. Syngenta encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label. Orondis Gold B should not be alternated or tank-mixed with any fungicide to which resistance has already developed.

## SPRAY EQUIPMENT

### Nozzles

- Equip sprayers with nozzles that provide accurate and uniform application.
- Nozzles should be the same size and uniformly spaced across the boom.
- Calibrate sprayer before use.
- It is suggested that screens be used to protect the pump and to prevent nozzles from clogging.
- Screens placed on suction side of pump should be *16-mesh or coarser*.
- Do not place a screen in the recirculation line.
- Use 50-mesh or coarser screens between the pump and boom, and where required, at the nozzles.
- Check nozzle manufacturer's recommendations.

### **Pump**

- Use a pump with capacity to:
  - (1) Maintain 35-40 psi at nozzles
  - (2) Provide sufficient agitation in tank to keep mixture in suspension - this requires recirculation of 10% of tank volume per minute.
- Use a jet agitator or liquid sparge tube for agitation.
- Do not air sparge.

For more information on spray equipment and calibration, consult sprayer manufacturers and state recommendations. For specific local directions and spray schedules, consult the current state agricultural recommendations.

### **MIXING INSTRUCTIONS**

- Prepare no more spray mixture than is required for the immediate operation.
- Thoroughly clean spray equipment before using this product.
- Agitate the spray solution before and during application.
- Rinse spray tank thoroughly with clean water after each day's use and dispose of pesticide rinsate by application to an already treated area.

### **Orondis Gold B Alone (no tank mix):**

- Add  $\frac{1}{4}$  -  $\frac{1}{2}$  of the required amount of water to the spray or mixing tank.
- With the agitator running, add Orondis Gold B to the tank.
- Continue agitation while adding the remainder of the water.

- Begin application of the spray solution after Orondis Gold B has completely dispersed into the mix water.
- Maintain agitation until all of the mixture has been sprayed.

**Orondis Gold B + Tank Mixtures:** Orondis Gold B is usually compatible with all tank-mix partners listed on this label. To determine the physical compatibility of Orondis Gold B with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to 1 qt of water. Add wettable powders and water dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 20 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

Do not combine Orondis Gold B in the spray tank with pesticides, surfactants or fertilizers, unless compatibility charts or your own prior use has shown that the combination is physically compatible, effective and non-injurious under your conditions of use.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

**Mixing in the Spray Tank:**

- Add  $\frac{1}{4}$  -  $\frac{1}{2}$  of the required amount of water to the spray or mixing tank.
- With the agitator running, add the tank-mix partner(s) into the tank in the same order as described above.
- Allow the material to completely dissolve and disperse into the mix water. Continue agitation while adding the remainder of the water and Orondis Gold B to the spray tank.
- Allow Orondis Gold B to completely disperse.
- Spray the mixture with the agitator running.



- Observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label.
- Do not exceed maximum label dosage rates, and the most restrictive label precautions and limitations must be followed.
- Do not tank mix this product with any product which prohibits such mixing.

#### **APPLICATION PROCEDURES**

##### **Ground Application (Broadcast):**

- Apply in a minimum of 20 gal of water per acre, unless specified otherwise.

##### **Ground Application (Banded):**

- Application rates in the *Directions for Use* are generally expressed as an amount per acre which refers to the total crop area to be treated. If using a banded application, use proportionally less product using the formula below:

$$\frac{\text{band width in inches}}{\text{row spacings in inches}} \times \text{broadcast rate per acre} = \text{amount needed per acre of field}$$

##### **Ground Applications (In-Furrow):**

- Apply Orondis Gold B as an in-furrow spray in 3-7 gal per acre of water at planting.
- Mount the spray nozzle so the spray is directed into the furrow just before the seed are covered.
- The following table provides common row spacings and the amount of Orondis Gold B to apply per acre.

Use Rate fl oz/1,000 row feet (oz ai/1,000 row feet)	Orondis Gold B fl oz/A								
	20-inch rows	22-inch rows	24-inch rows	30-inch rows	32-inch rows	34-inch rows	36-inch rows	38-inch rows	40-inch rows
0.08 (0.038)	2.0	1.8	1.6	1.4	1.2	1.1	1.1	1.0	0.9
0.15 (0.078)	4.0	3.6	3.2	2.8	2.4	2.3	2.2	2.0	1.9
0.28 (0.14)	7.0	6.7	6.1	4.8	4.6	4.3	4.0	3.8	3.7
0.42 (0.21)	11.0	10.0	9.1	7.3	6.8	6.5	6.1	5.8	5.4

20" = 26,136 row ft/A, 22" = 23,760 row ft/A, 24" = 21,780 row ft/A, 30" = 17,424 row ft/A, 32" = 16,315 row ft/A, 34" = 15,374 row ft/A, 36" = 14,520 row ft/A, 38" = 13,754 row ft/A, 40" = 13,068 row ft/A

**Application through Irrigation Systems (Chemigation):**

- Apply this product only through center pivot, solid set, hand move, moving wheel, micro-sprinkler, or drip irrigation systems. Do not apply this product through any other type of irrigation system.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts.
- Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label-prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
- Orondis Gold B must be applied on the schedule specified in the specific crop use directions, not according to the irrigation schedule.

**Note:** Do not inject Orondis Gold B at full strength or deterioration of valves and seals may occur. Use a dilution ratio of at least 15 parts water to 1 part Orondis Gold B in the mix tank. Orondis Gold B can affect many seal materials. Leather seals are best. EPDM or silicone rubber seals can be used, but should be replaced once a year. Do not use Viton, Buna-N, Neoprene, or PVC seals.

### **Operating Instructions**

1. The system must contain a functional check-valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

### **Specific Instructions for Public Water Systems**

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

## DIRECTIONS FOR USE – PART 1

### SOIL-INJECTED OR SOIL-INCORPORATED APPLICATIONS

The restricted-entry interval (REI) for soil-injected or soil-incorporated applications is 0 hours.

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
Caneberry (Blackberry and Raspberry) Subgroup: Blackberry Raspberry (Red and Black) Wild Raspberry Cultivars Hybrids, cultivars, and varieties of these. *See below for additional types of caneberries.	Root Rot ( <i>Phytophthora</i> spp.)	3.6 pt/A (1.8) or 0.25 pt/1,000 row ft	<b>Soil Spray (broadcast, band or drip)</b> <b>New Plantings:</b> Make one application at the time of planting. For band applications use an 18-inch band.  (See directions for Established Plantings in Part 2 for subsequent applications.)  Use Orondis Gold B in conjunction with good cultural practices to minimize disease.

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\*Andean Blackberry, Arctic Blackberry, Bingleberry, Black Satin Berry, Boysenberry, Brombeere, California Blackberry, Cherokee Blackberry, Chesterberry, Cheyenne Blackberry, Common Blackberry, Coryberry, Darrowberry, Dewberry, Dirksen Thornless Berry, Evergreen Blackberry, Himalayaberry, Hullberry, Lavacaberry, Loganberry, Lowberry, Lucretiaberry, Mammoth Blackberry, Marionberry, Mora, Mures Deronce, Nectarberry, Northern Dewberry, Olallieberry, Oregon Evergreen Berry, Phenomenalberry, Rangeberry, Ravenberry, Rossberry, Shawnee Blackberry, Southern Dewberry, Tayberry, Youngberry, and Zarzamora.

**Use Restrictions:**

- 1) Do not exceed the equivalent of 1.8 lb ai/A per crop of soil-applied and 0.2 lb ai/A per crop of foliar-applied mefenoxam-containing products for a maximum seasonal application rate of 2.0 lb ai/A.
- 2) Do not make more than one soil application per season at 3.6 pt/A.

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
Cucurbits Cantaloupe Cucumber Honeydew Pumpkin Squash, Summer Squash, Winter Watermelon Hybrids, cultivars, and varieties of these. *See additional cucurbit crops below.	Damping Off ( <i>Pythium</i> spp.) Suppression: Phytophthora blight ( <i>Phytophthora capsici</i> )	1.0-2.0 pt/A (0.50-1.0)	<b>Preplant incorporated (broadcast or band):</b> Apply in water or liquid fertilizer and incorporate in the top 2 inches of soil. <b>Soil spray (broadcast or band):</b> Apply in water or liquid fertilizer at planting. <b>Injection (drip irrigation):</b> Inject Orodins Gold B into the irrigation water at the labeled rates. For banded applications, use a 7-inch band.
*Chayote, Chinese Waxgourd, Citron Melon, Gherkin, Gourd (edible), <i>Momordica</i> spp. (balsam apple, balsam pear, bitter melon, Chinese cucumber), and Muskmelons (casaba, crenshaw, golden pershaw, honey balls, mango, Persian, pineapple, Santa Claus, snake melons).			
<b>Use Restrictions:</b> <ul style="list-style-type: none"> <li>▪ Do not exceed the equivalent of 1.0 lb ai/A per crop of soil-applied and 0.5 lb ai/A per crop of foliar-applied mefenoxam-containing products.</li> </ul>			



Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
<b>Fruiting Vegetables (Except Cucurbits)</b> Eggplant Groundcherry Pepino Pepper (bell, chili, cooking pepper, pimento, sweet) Tomatillo Tomato (see <i>Tomato</i> section for specific use directions)	Damping Off ( <i>Pythium</i> spp.) Suppression: Crown Rot ( <i>Phytophthora capsici</i> )	1.0 pt/A (0.50)	To control Crown Rot, apply before the plants are infected to obtain satisfactory control. Plants already infected with <i>Phytophthora capsici</i> cannot be cured with Orondis Gold B. <b>Soil spray (broadcast or band):</b> Apply in water or liquid fertilizer preplant or at planting. For direct seeded peppers, apply preplant or prior to emergence. For banded applications, use a 12- to 16-inch band. <b>Injection (drip irrigation):</b> Inject Orondis Gold B into the irrigation water. Make up to two additional applications on a 30-day schedule following initial application at planting.
<b>Use Restrictions:</b> 1. Do not apply within 7 days of harvest (7-day PHI). 2. Do not exceed the equivalent of 1.5 lb ai/A per crop of soil-applied mefenoxam-containing products and 0.5 lb ai/A per crop of foliar-applied mefenoxam-containing products.			
Ginseng	Phytophthora Root Rot ( <i>Phytophthora cactorum</i> )	0.75 pt/A (0.375)	<b>Soil drench:</b> For stand establishment, apply uniformly to the soil surface in the spring before the plants start growing. Apply in 100-400 gal of water per acre. Follow with additional applications of Ridomil Gold® GR (See Ridomil Gold GR label).
<b>Use Restrictions:</b> <ul style="list-style-type: none"> <li>Do not make additional applications of Orondis Gold B - maximum one application per year allowed.</li> </ul>			

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
<b>Leafy Vegetables (Except Brassica)</b> Celery Endive (Escarole) Lettuce (Head and Leaf) Parsley Rhubarb Spinach Swiss Chard *See additional leafy vegetables below.	Damping Off <i>(Pythium spp.)</i>	1.0-2.0 pt/A (0.50-1.0)	<b>Preplant incorporated (broadcast or band):</b> Apply in water or liquid fertilizer and mechanically incorporate in the top 2 inches of soil. <b>Soil spray (broadcast or band):</b> Apply in water or liquid fertilizer at planting. For banded applications, use a 7-inch band. Make no more than one soil application.
*Amaranth, Arugula, Cardoon, Celtuce, Chervil, Chinese Celery, Chrysanthemum (edible-leaved), Chrysanthemum (garland), Corn Salad, Cress (garden), Cress (Upland), Dandelion, Dock (Sorrel), Florence Fennel (finocchio), Orach, Purslane (garden), Purslane (winter), Radicchio (red chicory), Spinach (New Zealand), and Spinach (vine).			

continued...

- Use Restrictions:**
1. For leafy vegetables: Do not apply within 7 days of harvest (7-day PHI). Make no more than one soil application per crop.
  2. For lettuce: Do not exceed the equivalent of 1.0 lb ai/A per crop of soil-applied and 0.4 lb ai/A per crop of foliar-applied mefenoxam-containing products.
  3. For spinach: Spinach can be harvested with a 3-day PHI only if soil application does not exceed 1.0 lb ai/A/season and foliar application of Ridomil Gold Copper (EPA registration #100-804) formulation does not exceed 0.25 lb ai mefenoxam/A/season. Otherwise, the PHI is 21 days for spinach.
  4. For spinach: Do not exceed the equivalent of 1.0 lb ai/A per crop of soil-applied mefenoxam-containing products at planting and 0.25 lb ai/A per crop of soil-applied post planting, shanked-in applications of mefenoxam-containing products **OR** do not exceed the equivalent of 1.0 lb ai/A per crop of soil-applied mefenoxam-containing products at planting and 0.4 lb ai/A per crop of foliar-applied mefenoxam-containing products.

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
Potatoes	Pythium Leak ( <i>Pythium</i> spp.) Pink Rot ( <i>Phytophthora erythroseptica</i> ) Pythium Seedling Disease ( <i>Pythium</i> spp.)	0.42 fl oz/ 1,000 row ft (0.013)	<b>In-furrow spray:</b> Apply directly over the seed pieces in furrow as a 6- to 8-inch band prior to row closure or use markout application method (incorporated).

- Use Restrictions:**
- 1) Do not use the "dribble" application method.
  - 2) Do not apply Orondis Gold B beyond the at-planting stage.
  - 3) Do not exceed the equivalent of 0.34 lb ai/A per crop of soil-applied and 0.40 lb ai/A per crop of foliar-applied mefenoxam-containing products.

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
<b>Root and Tuber Vegetables</b> Artichoke (Chinese and Jerusalem) Beet, Garden Beet, Sugar (See <i>Sugar Beet</i> section for specific use directions.) Carrots (See <i>Carrots</i> section for specific use directions.) Ginseng (See <i>Ginseng</i> section for specific use directions.) Horseradish Parsley, Turnip-rooted Parsnip Potato (See <i>Potato</i> section for specific use directions.) Radish	Pythium Root Rot ( <i>Pythium</i> spp.) Phytophthora Root Rot ( <i>Phytophthora</i> spp.)	1.0-2.0 pt/A (0.50-1.0)	<b>Preplant incorporated (broadcast or band):</b> Apply in water or liquid fertilizer and mechanically incorporate in the top 2 inches of soil. Use sufficient water to provide uniform coverage of soil. <b>Soil spray (broadcast or band):</b> Apply in water or liquid fertilizer at planting. For banded applications, use a 7-inch band.

continued...

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
<b>Root and Tuber Vegetables (continued)</b> Radish, Oriental (daikon) Rutabaga Sweet Potato Turnip Yam Bean (jicama, manioc pea) Yam, True *See additional root and tuber vegetables below.	Pythium Root Rot ( <i>Pythium</i> spp.) Phytophthora Root Rot ( <i>Phytophthora</i> spp.)	1.0-2.0 pt/A (0.50-1.0)	<b>Preplant incorporated (broadcast or band):</b> Apply in water or liquid fertilizer and mechanically incorporate in the top 2 inches of soil. Use sufficient water to provide uniform coverage of soil. <b>Soil spray (broadcast or band):</b> Apply in water or liquid fertilizer at planting. For banded applications, use a 7-inch band.
*Arracacha, Arrowroot, Burdock (edible), Canna (edible), Cassava (bitter and sweet), Celeriac (celery root), Chayote (root), Chervil (turnip-rooted), Chicory, Chufa, Dasheen (taro), Ginger, Leren, Salsify (oyster plant, black, Spanish), Skirret, Tanier (cocoyam), Turmeric			
<b>Use Restrictions:</b> 1) Do not exceed the equivalent of 1.5 lb ai/A per crop of soil-applied mefenoxam-containing products. 2) Do not apply more than 3 applications per crop.			

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
Tobacco	Black Shank ( <i>Phytophthora parasitica</i> var. <i>nicotianae</i> )	Transplant Water 4-8 fl oz / 200 gal water	<p>Transplant Water (PRODUCT USE RESTRICTIONS): Apply in transplant furrow while planting tobacco seedlings for control of black shank. Apply 4-8 oz/A (0.25-0.5 pt/A) in at least 200 gallons of transplant water per acre. Use the highest specified rate if the disease epidemic is expected to be severe. Make at least one subsequent application of Orondis Gold B at first cultivation and/or layby if necessary.</p> <p>Precautions: There is a risk of plant injury with transplant water application, especially when applied in less than 200 gallons of carrier volume per acre.</p> <p>Crop injury is more likely when applied in less than 100 gallons/acre. Injury is temporary and should disappear within three weeks. Pre-mixing Orondis Gold B in a tank separate from the transplant water source tank will help to prevent incompatibility with fertilizers or other pesticides in the transplant water solution.</p>

continued...

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
Tobacco (continued)	Black Shank ( <i>Phytophthora parasitica</i> var. <i>nicotianae</i> )	Transplant Water 4-8 fl oz / 200 gal water	Consult local extension bulletins for additional use directions. For best results against black shank, use tobacco varieties that have high resistance to black shank and use crop rotation. In fields with a history of severe black shank, use the highest specified rate and plant a variety resistant to the race of <i>Phytophthora</i> present (Burley L8 hybrids are resistant to only <i>Phytophthora</i> Race 0). Failure to adequately control nematodes in fields treated with Orondis Gold B may result in poor control of black shank.
<p><b>Use Restrictions:</b></p> <ol style="list-style-type: none"> <li>1. Do not use in high black shank areas on highly susceptible flue-cured varieties.</li> <li>2. Do not use Orondis Gold B for black shank control in PA.</li> <li>3. Do not exceed the equivalent of 1.5 lb ai/A per crop of mefenoxam-containing products.</li> <li>4. Do not apply to stressed seedlings or during hot and dry conditions due to injury potential.</li> </ol>			

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
Tomato	Damping Off ( <i>Pythium</i> spp.)	1.0-2.0 pt/A (0.50-1.0)	<b>Soil spray (broadcast or band):</b> Apply at planting in water or liquid fertilizer. For banded applications, use a 7-inch band.
	Root and Fruit Rot ( <i>Phytophthora</i> spp.) ( <i>Pythium</i> spp.)	1.0 pt/A (0.50)	<b>Injection (drip irrigation):</b> Initiate control of Root and Fruit Rot with a soil application as described above. Make subsequent applications through drip irrigation. Make the first drip application 4-6 weeks after planting. Apply the second drip application as needed up to 4 weeks before harvest, but before the last irrigation. For injected applications, base rate calculations on a 7-inch band.
<b>Use Restrictions:</b>			
<ul style="list-style-type: none"> <li>Do not exceed the equivalent of 1.5 lb ai/A per crop of soil-applied mefenoxam-containing products and 0.5 lb ai/A per crop of foliar-applied mefenoxam-containing products.</li> </ul>			



## DIRECTIONS FOR USE – PART 2

### SOIL-DIRECTED AND OTHER FOLIAR APPLICATIONS

The restricted-entry interval (REI) for soil-directed or foliar applications is 48 hours.

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
Asparagus	Crown Rot Spear Rot ( <i>Phytophthora</i> spp.)	1.0 pt/A (0.50)	<b>Soil spray (broadcast or band)</b> <b>Cutting beds:</b> Apply 30 to 60 days before the first cutting. Apply again just before the beginning of harvest. <b>New plantings:</b> Apply after planting seedlings or after covering one-year old crowns.
<b>Use Restrictions:</b> <ul style="list-style-type: none"><li>Do not apply within one day of harvest (1-day PHI).</li></ul>			

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
<p><b>Caneberry (Blackberry and Raspberry)</b>  <b>Subgroup:</b>            Blackberry            Loganberry            Raspberry (Red and Black)            Wild Raspberry Cultivars            Hybrids, cultivars, and varieties of these.            *See below for additional types of caneberries.</p>	<p>Root Rot (<i>Phytophthora</i> spp.)</p>	<p>3.6 pt/A (1.8)</p>	<p><b>Soil Application (band or via drip/micro-sprinkler irrigation)</b>  <b>New Plantings:</b> After initial at-planting application (Part 1), reapply once during a period favorable for root rot.  <b>Established Plantings:</b> Before the plants start to grow in the spring, make a soil-directed application towards the base of the plant in a 3-ft band over the row or via the drip irrigation. One additional application may be made to coincide with the period most favorable for root rot development.            Orondis Gold B will not revitalize plants showing moderate to severe root rot symptoms.            Use Orondis Gold B in conjunction with good cultural practices to minimize disease.</p>

continued...

\*Andean Blackberry, Arctic Blackberry, Bingleberry, Black Satin Berry, Boysenberry, Brombeere, California Blackberry, Cherokee Blackberry, Chesterberry, Cheyenne Blackberry, Common Blackberry, Coryberry, Darrowberry, Dewberry, Dirksen Thornless Berry, Evergreen Blackberry, Himalayaberry, Hullberry, Lavacaberry, Loganberry, Lowberry, Lucretiaberry, Mammoth Blackberry, Marionberry, Mora, Mures Deronce, Nectarberry, Northern Dewberry, Olallieberry, Oregon Evergreen Berry, Phenomenalberry, Rangeberry, Ravenberry, Rossberry, Shawnee Blackberry, Southern Dewberry, Tayberry, Youngberry, and Zarzamora.

**Use Restrictions:**

1. Do not use an adjuvant.
2. Do not apply Orondis Gold B within 45 days of harvest (45-day PHI).
3. Do not exceed the equivalent of 1.8 lb ai/A per crop of soil-applied and 0.2 lb ai/A per crop of foliar-applied mefenoxam-containing products for a maximum seasonal application rate of 2.0 lb ai/A.
4. If a foliar-directed application of a mefenoxam product is used, do not exceed the equivalent of 1.8 lb ai/A per crop of soil-applied and 0.2 lb ai/A per crop of foliar-applied mefenoxam-containing products for a maximum seasonal application rate of 2.0 lb ai/A.

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
<b>Cucurbits</b> Cantaloupe Cucumber Honeydew Pumpkin Squash, Summer Squash, Winter Watermelon Hybrids, cultivars, and varieties of these. *See additional cucurbit crops below.	Root Rot ( <i>Pythium</i> spp.)	0.25-0.4 pt/A (0.125-0.20)  Suppression: Phytophthora blight ( <i>Phytophthora capsici</i> )	<b>Soil spray (directed):</b> If soil applications of Orondis Gold B were made at planting, two additional applications at 20- to 30-day intervals may be made during the season. Direct the spray to the base of the plants and cover 6-8 inches of the soil on either side of the plants. Incorporate mechanically or sprinkler-irrigate to move the Orondis Gold B into the root zone. <b>Injection (drip irrigation):</b> Inject Orondis Gold B into the irrigation water at the labeled rates.
*Chayote, Chinese Waxgourd, Citron Melon, Gherkin, Gourd (edible), <i>Momordica</i> spp. (balsam apple, balsam pear, bitter melon, Chinese cucumber), and Muskmelons (casaba, crenshaw, golden pershaw, honey balls, mango, Persian, pineapple, Santa Claus, snake melons).			
<b>For additional applications, see Cucurbits in Part 1 of Directions for Use: Soil-Injected or Soil-Incorporated Applications.</b>			
<b>Use Restrictions:</b> 1. Do not apply within 5 days of harvest (5-day PHI). 2. Do not exceed the equivalent of 1.0 lb ai/A per crop of soil-applied and 0.5 lb ai/A per crop of foliar-applied mefenoxam-containing products.			

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
<b>Fruiting Vegetables (Except Cucurbits)</b> Eggplant Groundcherry Pepino Pepper (bell, chili, cooking pepper, pimento, sweet) Tomatillo Tomato (see Tomato section for use directions)	Crown Rot ( <i>Phytophthora capsici</i> )	1.0 pt/A (0.50)	<p><b>Banded spray:</b> Make 2 post-directed applications at 30-day intervals following transplanting. Direct the spray to the base of the plants and cover 6-8 inches of the soil on either side of the plants. Incorporate mechanically or sprinkler-irrigate to move the Orondis Gold B into the root zone.</p> <p><b>Shank application:</b> Apply in liquid fertilizer, shanked in as a banded treatment to either side of the plant.</p> <p><b>Injection (drip irrigation):</b> Inject Orondis Gold B into the irrigation water at the labeled rates.</p> <p>May cause some yellowing of pepper leaves.</p> <p>Apply before the plants are infected to obtain satisfactory control. Plants already infected with <i>Phytophthora</i> cannot be cured with Orondis Gold B. The foliar blight phase of <i>Phytophthora</i> cannot be controlled with foliar applications of Orondis Gold B.</p>
<p><b>For additional applications, see Fruiting Vegetables in Part 1 of Directions for Use: Soil-Injected or Soil-Incorporated Applications.</b></p>			
<p><b>Use Restrictions:</b></p> <ol style="list-style-type: none"> <li>1. Do not apply within 7 days of harvest (7-day PHI).</li> <li>2. Do not exceed the equivalent of 1.5 lb ai/A per crop of soil-applied mefenoxam-containing products and 0.5 lb ai/A per crop of foliar-applied mefenoxam-containing products.</li> </ol>			

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
Potatoes	Storage Rots Pythium leak ( <i>Pythium</i> spp.) Pink rot ( <i>Phytophthora erythroseptica</i> )	3.2 fl oz/A (0.1)	Make the first application after tuber initiation, when the largest tubers are the size in diameter of a nickel. This period generally coincides with the initiation of flowering. Make a second application 14 days later. If the field has a history of storage rot problems, make a third application 14 days after the second application. If foliar diseases are expected, then a tank mix with a labeled rate of mancozeb or chlorothalonil products is required.  Use in conjunction with other management practices such as crop rotation and resistant varieties.
<p><b>Use Restrictions:</b></p> <ol style="list-style-type: none"> <li>1. Do not exceed the equivalent of 0.34 lb ai/A per season of soil-applied and 0.4 lb ai/A per season of foliar applied mefenoxam-containing products.</li> <li>2. Do not apply within 14 days of harvest (14-day PHI).</li> </ol>			

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
Tobacco	Black Shank ( <i>Phytophthora parasitica</i> var. <i>nicotianae</i> )	1.0-2.0 pt/A (0.50-1.0) For no-till tobacco: 0.50-1.0 pt/A (0.25-0.50)	<p><b>Soil Spray (broadcast or band):</b> Position the nozzles so the spray is deposited under the plants and covered with soil by the cultivator. Use the higher specified rate if the disease epidemic is expected to be severe. Make one application at lay-by or make one application at the first cultivation and a second application at lay-by.</p> <p>Apply preventively for effective black shank control. If black shank is expected early in the season, apply as near as possible to transplanting followed by sequential applications. Consult local extension bulletins for additional use recommendations.</p> <p>For best results against black shank, use tobacco varieties that have high resistance to black shank and use crop rotation.</p> <p>In fields with a history of severe black shank, use the highest rate and plant a variety resistant to the race of <i>Phytophthora</i> present (Burley L8 hybrids are resistant to only <i>Phytophthora</i> Race 0).</p> <p>Failure to adequately control nematodes in fields treated with Orondis Gold B may result in poor control of black shank.</p>
<b>For additional applications, see Tobacco in Part 1 of Directions for Use: Soil-Injected or Soil-Incorporated Applications.</b>			
<p><b>Use Restrictions:</b></p> <ol style="list-style-type: none"> <li>1. Do not use in high black shank areas on highly susceptible flue-cured varieties.</li> <li>2. Do not use Orondis Gold B for black shank control in PA.</li> <li>3. Do not exceed the equivalent of 1.5 lb ai/A per crop of mefenoxam-containing products.</li> </ol>			

Crop	Target Diseases (Pathogen)	Product Use Rate (lb ai)	Application Directions
Tomato	Root and Fruit Rot ( <i>Phytophthora</i> spp.) ( <i>Pythium</i> spp.)	1.0 pt/A (0.50)	<p><b>Soil spray (broadcast or band) or soil injection:</b> Apply as a directed soil surface spray under the vines or injected into the beds with water or liquid fertilizer.</p> <p>Make application 4-6 weeks after planting. If needed, make a second application up to 4 weeks before harvest, but before the last irrigation.</p>
<p><i>For additional applications, see Tomato in Part 1 of Directions for Use: Soil-Injected or Soil-Incorporated Applications.</i></p>			
<p><b>Use Restrictions:</b></p> <ul style="list-style-type: none"> <li>▪ Do not exceed the equivalent of 1.5 lb ai/A per crop of soil-applied mefenoxam-containing products and 0.5 lb ai/A per crop of foliar-applied mefenoxam-containing products.</li> </ul>			



## **STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

### **Pesticide Storage**

Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to label.

### **Pesticide Disposal**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

### **Container Handling [less than or equal to 5 gallons]**

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**Container Handling [greater than 5 gallons]**

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**Container Handling [greater than 5 gallons]**

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.**

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For non-emergency (e.g., current product information) call  
Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:  
Syngenta Crop Protection, LLC  
P.O. Box 18300  
Greensboro, North Carolina 27419-8300

**SCP 1202B-L1B 0217**  
**4083808**

**GROUP 4 FUNGICIDE**

 **Orondis® Gold B**  
**Fungicide**

For the control of certain diseases in various crops caused by the Oomycete class of fungi

Active Ingredients:

Mefenoxam\* . . . . . 45.3%

Other Ingredients: . . . . . 54.7%

Total: . . . . . 100.0%

\*CAS Nos. 70630-17-0 and 69516-34-3

Orondis® Gold B is formulated as a soluble concentrate and contains 4 lb active ingredient per gallon.

**2.5 quarts**  
**(80 fluid ounces)**  
**Net Contents**

**KEEP OUT OF REACH OF CHILDREN.**  
**CAUTION**

See additional precautionary statements and directions for use inside booklet.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

**FIRST AID** **If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice. **If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor

for treatment advice. **If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by the poison control center or doctor. Do not give anything to an unconscious person. **If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**HOT LINE NUMBER:** For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call **1-800-888-8372**.

EPA Reg. No. 100-1202 EPA Est. 072344-MO-004  
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**SCP 1202B-L1B 0217 4083808**



## KEEP OUT OF REACH OF CHILDREN.

# CAUTION

### Precautionary Statements

#### Hazards to Humans and Domestic Animals

#### CAUTION

Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Environmental Hazards:** Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwater or rinsate.

**Groundwater Advisory:** Mefenoxam is known to leach through the soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

**Surface Water Advisory:** This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours.

**Physical or Chemical Hazards:** Do not use or store near heat or open flame.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to label.

**Container Handling:** Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.**

Manufactured for:  
Syngenta Crop Protection, LLC  
P.O. Box 18300  
Greensboro, NC 27419-8300

**SCP 1202B-L2B 0217  
4083806**