Orondis Gold B

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

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-M0-004
Product of Switzerland
SCP 1202B-L1 0215
4055224

2.5 quarts Net Contents
## FIRST AID

<table>
<thead>
<tr>
<th>Condition</th>
<th>Action</th>
</tr>
</thead>
</table>
| 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 eye.  
                    • 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 do so by the poison control center or doctor.  
                      • Do not give anything by mouth 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. |

*continued...*
FIRST AID (continued)

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

<table>
<thead>
<tr>
<th>HOT LINE NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident)</td>
</tr>
<tr>
<td>Call</td>
</tr>
<tr>
<td>1-800-888-8372</td>
</tr>
</tbody>
</table>

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, such as 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 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 has properties and characteristics associated with chemicals detected in groundwater. 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)

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.

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, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or Viton
- Shoes plus socks

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS 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 beyond the number allowed by this label may be needed. Under these conditions, use another fungicide registered for the crop/disease appearing on this label.

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

Maximum usage when applying both metalaxyl- and mefenoxam-containing products to the same crop within the same season: Do not apply more than the maximum seasonal total for the active ingredient as stated on the label of the product containing the lowest seasonal total on that crop.

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 rate and shortest 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/envirodriftmanagement/

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.

Rotational Crops: For crops that are on the label there is a 0-day plant back. For other crops refer to the table below.

<table>
<thead>
<tr>
<th>Rotation Crop</th>
<th>Planting Time From Last Orondis Gold B Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clover</td>
<td>0 days</td>
</tr>
<tr>
<td>Corn</td>
<td>14 days</td>
</tr>
<tr>
<td>Sunflower</td>
<td>0 days</td>
</tr>
<tr>
<td>Cereal Grains (except Corn)</td>
<td>14 days</td>
</tr>
<tr>
<td>Crops Not Intended for Food or Feed</td>
<td>0 days</td>
</tr>
<tr>
<td>All Other Crops Intended for Food or Feed</td>
<td>12 months</td>
</tr>
</tbody>
</table>
RESISTANCE MANAGEMENT

GROUP 4 FUNGICIDE

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 1/4 - 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.

Mixing in the Spray Tank
• Add 1/4 - 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:

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

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.
<table>
<thead>
<tr>
<th>Use Rate fl oz/1,000 row feet (oz ai/1,000 row feet)</th>
<th>Orondis Gold B fl oz/A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>20-inch rows</td>
</tr>
<tr>
<td>0.08 (0.038)</td>
<td>2.0</td>
</tr>
<tr>
<td>0.15 (0.078)</td>
<td>4.0</td>
</tr>
<tr>
<td>0.28 (0.14)</td>
<td>7.0</td>
</tr>
<tr>
<td>0.42 (0.21)</td>
<td>11.0</td>
</tr>
</tbody>
</table>

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, backflow 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.
SOIL-INJECTED OR SOIL-INCORPORATED APPLICATIONS
The restricted-entry interval (REI) for soil-injected or soil-incorporated applications is 0 hours.

<table>
<thead>
<tr>
<th>Crop</th>
<th>Target Diseases (Pathogen)</th>
<th>Product Use Rate (lb ai)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cucurbits</td>
<td>Damping Off (Pythium spp.)</td>
<td>1.0-2.0 pt/A (0.50-1.0)</td>
<td>Pellet incorporated (broadcast or band): Apply in water or liquid fertilizer and incorporate in the top 2 inches of soil.</td>
</tr>
<tr>
<td>Cantaloupe</td>
<td></td>
<td></td>
<td>Soil spray (broadcast or band): Apply in water or liquid fertilizer at planting.</td>
</tr>
<tr>
<td>Cucumber</td>
<td></td>
<td></td>
<td>Injection (drip irrigation): Inject Crodin Gold 5 into the irrigation water at the labeled rates.</td>
</tr>
<tr>
<td>Honeymelon</td>
<td></td>
<td></td>
<td>For banded applications, use a 7-inch band.</td>
</tr>
<tr>
<td>Pumpkin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Squash, Summer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Squash, Winter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Watermelon</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Including hybrids, cultivars, and varieties of these.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*See additional cucurbit crops below.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Chayote, Chinese Waxgourd, Citron Melon, Gherkin, Gourd (edible), Momordica spp. (balsam apple, balsam pear, bitter melon, Chinese cucumber), and Muskmelons (casaba, crenshaw, golden pershaw, honey balls, mango, Persian, pineapple, Santa Claus, snake melons). continued...
Specific Use Restrictions:
- 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.

<table>
<thead>
<tr>
<th>Crop</th>
<th>Target Diseases (Pathogen)</th>
<th>Product Use Rate (lb ai)</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| Fruiting Vegetables (Except Cucurbits) | Damping Off (Pythium spp.)  
Eggplant  
Groundcherry  
Pepper (bell, chili, cooking pepper, pimento, sweet)  
Tomatillo  
Tomato (see Tomato section for specific use directions) | 1.0 pt/A (0.50) | To control Crown Rot, apply before the plants are infected to obtain satisfactory control. Plants already infected with Phytophthora capsici cannot be cured with Orondis Gold B.  
Soil spray (broadcast or band): 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.  
Injection (drip irrigation): Inject Orondis Gold B into the irrigation water. Make up to two additional applications on a 30-day schedule following initial application at planting. |

Specific Use Restrictions:
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.

<table>
<thead>
<tr>
<th>Crop</th>
<th>Target Diseases (Pathogen)</th>
<th>Product Use Rate (lb ai)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leafy Vegetables (Except Brassica)</td>
<td>Damping Off (Pythium spp.)</td>
<td>1.0-2.0 pt/A (0.50-1.0)</td>
<td>Preplant incorporated (broadcast or band): Apply in water or liquid fertilizer and mechanically incorporate in the top 2 inches of soil. Soil spray (broadcast or band): Apply in water or liquid fertilizer at planting. For banded applications, use a 7-inch band. Make no more than one soil application.</td>
</tr>
<tr>
<td>Endive (Escarole)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lettuce (Head and Leaf)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parsley</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spinach</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*See additional leafy vegetables below.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Amaranth, Arugula, Chervil, Chrysanthemum (edible-leaved), Chrysanthemum (garland), Corn Salad, Cress (garden), Cress (Upland), Dandelion, Dock (Sorrel), Orach, Purslane (garden), Purslane (winter), Radicchio (red chicory), Spinach (New Zealand), and Spinach (vine).

continued...
Specific 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.
### Target Diseases, Product Use Rate, and Remarks

<table>
<thead>
<tr>
<th>Crop</th>
<th>Target Diseases (Pathogen)</th>
<th>Product Use Rate (lb al)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tobacco</td>
<td>Black Shank (Phytophthora parasitica var. nicotianae)</td>
<td>1.0-3.0 pt/A (0.50-1.5)</td>
<td>Soil spray (broadcast); Apply to the soil within one week of planting.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For no-till tobacco: 0.50-1.0 pt/A (0.25-0.50)</td>
<td>Incorporate in the top 2-4 inches of soil. Use the parasitica var.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>For no-till tobacco: 0.50-1.0 pt/A (0.25-0.50)</td>
</tr>
</tbody>
</table>

**Remarks**

1. Soil spray (broadcast): Apply to the soil within one week of planting. Incorporate in the top 2-4 inches of soil. Use the higher specified rate if the disease epidemic is expected to be severe. In FL and GA, use 3 pt/A where black shank is severe. 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.

### Specific Use Restrictions:

1. Consult local extension bulletins for additional use directions.
2. For best results against black shank, use tobacco varieties that have high resistance to black shank and use crop rotation.
3. In fields with a history of severe black shank, use the highest specified rate and plant a variety resistant to the race of Phytophthora present (Burley LB hybrids are resistant to only Phytophthora Race 0).
4. Do not use in high black shank areas on highly susceptible flue-cured varieties.
5. Failure to adequately control nematodes in fields treated with Orondis Gold B may result in poor control of black shank.
6. Do not use Orondis Gold B for black shank control in PA.
7. Do not exceed the equivalent of 1.5 lb ai/A per crop of mefenoxam-containing products.
<table>
<thead>
<tr>
<th>Crop</th>
<th>Target Diseases (Pathogen)</th>
<th>Product Use Rate (lb ai)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tomato</td>
<td>Damping Off (Pythium spp.)</td>
<td>1.0-2.0 pt/A (0.50-1.0)</td>
<td>Soil spray (broadcast or band): Apply at planting in water or liquid fertilizer. For banded applications, use a 7-inch band.</td>
</tr>
<tr>
<td></td>
<td>Root and Fruit Rot</td>
<td>1.0 pt/A (0.50)</td>
<td>Injection (drip irrigation): 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.</td>
</tr>
</tbody>
</table>

**Specific Use Restrictions:**
- 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.
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.

continued...
STORAGE AND DISPOSAL (continued)

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 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 – mini-bulk]
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 - bulk]

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

Net Contents
2.5 quarts

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 eye. 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 do so by the poison control center or doctor. Do not give anything by mouth 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.

HOTLINE 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
SCP 1202B-L1 0215 4055224
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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 has properties and characteristics associated with chemicals detected in groundwater. 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.

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

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