

INDIVIDUAL PLANT TREATMENT (IPT) - BRUSH CONTROLLED AT 20 OUNCES PER ACRE

General Information

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.

RESISTANCE MANAGEMENT

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.

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.

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.

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.

Limitations, Restrictions, and Exceptions

USE DIRECTIONS FOR INDIVIDUAL PLANT TREATMENT (IPT) ON VEGETATION MANAGEMENT SITES TRANSECTING GRAZED AREAS

VIEWPOINT HERBICIDE may be used to treat undesirable woody plants using INDIVIDUAL PLANT TREATMENT (IPT) methods in vegetation management sites transecting areas grazed by livestock. VIEWPOINT HERBICIDE may be applied by ground equipment for control of undesirable woody plants (brush), including many terrestrial and riparian invasive and noxious weeds and is registered for use on private, public, and military lands.

Refer to the VIEWPOINT HERBICIDE label for allowable use sites.

INDIVIDUAL PLANT TREATMENT (IPT)

Apply VIEWPOINT HERBICIDE utilizing an application method (including low-volume or high-volume foliar sprays) which targets individual woody plant species. The total spray volume should be adjusted according to the size and density of the target plant species. Where taller/denser vegetation is present, higher spray volumes may be necessary to ensure good coverage. Refer to the BRUSH CONTROLLED section of the label for specific use rate information. For best results include a MSO-type adjuvant at the rate of 1% v/v. Refer to Table 1 for mixing instructions. Spray the vegetation starting at the top and covering the sides. Ensure complete coverage of the plant for best results. Avoid spraying to the point of runoff as injury to desirable species or ground cover may occur. Refer to the Low-Volume and High-Volume Foliar Application sections below for application use directions and rates. DO NOT broadcast apply this product using aerial or ground equipment on vegetation management sites that transect grazed areas.

There are no grazing restrictions where this product is used to treat undesirable woody plants (brush) by individual plant treatment (IPT) methods.

IMPORTANT RESTRICTIONS

- DO NOT broadcast apply this product using aerial or ground equipment on vegetation management sites that transect grazed areas.
- DO NOT apply this product in areas where the roots of desirable trees and/or shrubs may extend unless injury or loss can be tolerated. The root zone of desirable trees or vegetation is affected by species, soil properties including depth of soil, and local conditions and can extend well beyond the tree canopy.

- DO NOT apply this product if site-specific characteristics and conditions exist that could contribute to movement and unintended root zone exposure to desirable trees or vegetation unless injury or loss can be tolerated.
- DO NOT make applications when circumstances favor movement from treatment site.
- Do not apply VIEWPOINT HERBICIDE to roadsides or other non-crop areas during periods of intense rainfall, or where prevailing soils are either saturated with water or of a type through which rainfall will not readily penetrate, as this may result in off-site movement.
- DO NOT apply or otherwise permit this product or sprays containing this product to come into contact with any non-target crop or desirable vegetation.
- DO NOT apply in or on dry or water containing irrigation ditches or canals, including their outer banks.
- DO NOT apply through any type of irrigation system.
- DO NOT contaminate water intended for irrigation. To avoid injury to crops or other desirable vegetation, do not treat or allow spray drift or run-off to fall onto banks or bottoms of irrigation ditches, either dry or containing water, or other channels that carry water that may be used for irrigation purposes.
- Treatment of powdery, dry soil and light, sandy soils when there is little likelihood of rainfall soon after treatment may result in off target movement and possible damage to susceptible crops and desirable vegetation when soil particles are moved by wind or water. Injury to crops or sensitive vegetation may result if treated soil is washed, blown or moved onto land used to produce crops or land containing desirable vegetation. DO NOT apply VIEWPOINT HERBICIDE when these conditions are identified and powdery, dry, or light sandy soils are known to be prevalent in the area to be treated.
- DO NOT apply when the soil is frozen or covered with snow.
- DO NOT use on lawns, walks, driveways, tennis courts, or similar areas.
- For sites listed in this label, do not apply more than a total of 20 ounces (contains 0.395 pounds imazapyr; 0.285 pounds aminocyclopyrachlor, and 0.091 pounds metsulfuron-methyl) of product per acre per year.
- Do not apply more than 20 oz per acre per single application.
- Do not apply more than two applications per year for all uses with a minimum of 30 days between applications.
- Do not apply more than 1.5 pounds of the active ingredient imazapyr per acre per year when using any combination of products containing imazapyr.
- Do not apply more than 0.28 pounds of the active ingredient aminocyclopyrachlor

per acre per year when using any combination of products containing aminocyclopyrachlor.

- Do not apply more than 0.15 pounds of the active ingredient metsulfuron-methyl per acre per year when using any combination of products containing metsulfuron-methyl.
- DO NOT use plant material treated with this product for mulch or compost.
- If non-crop sites treated with VIEWPOINT HERBICIDE are to be converted to a food, feed, or fiber agricultural crop, or to a horticultural crop, do not plant the treated sites for at least one year after the VIEWPOINT HERBICIDE application. A field bioassay must then be completed before planting the desired crop.
- Not for sale, sale into, distribution, and/or use in Nassau and Suffolk counties of New York State.
- DO NOT use this product in California.
- DO NOT use this product in the following counties of Colorado: Saguache, Rio Grande, Alamosa, Costilla and Conejos.

IMPORTANT PRECAUTIONS

- Certain species may, in particular, be sensitive to low levels of VIEWPOINT HERBICIDE including, but not limited to, conifers (including Douglas fir, Norway spruce, ponderosa pine, and white pine), deciduous trees (including aspen, Chinese tallow, cottonwood, honey locust, magnolia, poplar species, redbud, silver maple, and willow species), and ornamental shrubs (including arborvitae, burning bush, crape myrtle, forsythia, hydrangea, ice plant, magnolia, purple plum, and yew).
- Injury or loss of desirable trees or vegetation may result if VIEWPOINT HERBICIDE is applied on or near desirable trees or vegetation, on areas where their roots extend, or in locations where the treated soil may be washed or moved into contact with their roots. Consider site specific characteristics and conditions that could contribute to unintended root zone exposure to desirable trees or vegetation. Root zone areas of desirable trees or vegetation are affected by local conditions and can extend beyond the tree canopy. If further information is needed regarding root zone area, consult appropriate state extension service, professional consultant, or other qualified authority.
- Injury to or loss of desirable trees or vegetation may result if equipment is drained or flushed on or near these trees or vegetation, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
- In non-crop areas adjacent to desirable vegetation, avoid overlapping spray

applications.

- Applications made where runoff water flows onto agricultural land may injure or kill crops, such as but not limited to sugar beets, potatoes, tomatoes, tobacco, soybeans, field beans, alfalfa, grapes, peaches, almonds, and vegetables.
- Applications should be made only when there is little or no hazard from spray drift. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants.
- Exposure to VIEWPOINT HERBICIDE may injure or kill most crops and may injure or kill desirable vegetation. Injury may be more severe when the crops or desirable vegetation are irrigated.
- Caution is advised when using this product in areas where loss of desirable vegetation cannot be tolerated. Desirable vegetation may include conifer or deciduous trees and/or shrubs as well as other broadleaf plants, including, but not limited to, legumes and wild flowers, and grasses. Without prior experience, it is necessary that small areas containing these plants be tested for crop safety to VIEWPOINT HERBICIDE and its soil residues before any large scale spraying occurs.
- Low rates of VIEWPOINT HERBICIDE can kill or severely injure most crops. Following a VIEWPOINT HERBICIDE application, the use of spray equipment to apply other pesticides to crops on which VIEWPOINT HERBICIDE is not registered may result in their damage. The most effective way to reduce this crop damage potential is to use dedicated mixing and application equipment.
- Leave treated soil undisturbed to reduce the potential for VIEWPOINT HERBICIDE movement by soil erosion due to wind or water.
- In the case of suspected off-site movement of VIEWPOINT HERBICIDE to cropland, soil samples should be quantitatively analyzed for VIEWPOINT HERBICIDE or any other herbicide which could be having an adverse effect on the crop, in addition to conducting the field bioassay.

GROUND APPLICATION INFORMATION

LOW-VOLUME FOLIAR APPLICATION

See Table 1 for use rate and mixing guidelines. Adjust the VIEWPOINT HERBICIDE spray concentration according to the spray volume per acre and the size and plant density of the target brush species. For best results, include an MSO adjuvant at the rate of 1% v/v. Good plant coverage is necessary for best results. Use spray nozzles and pressure that will aid the proper deposition of the spray solution. Apply in sufficient spray volume to insure uniform spray distribution of spray particles over

the area to be treated and to avoid spray drift. In general, low volume ground applications use 20 to 50 gallons of spray solution per acre while ultra low volume ground applications typically use 10 to 20 gallons per acre. Use the higher concentration rates for hard to control brush species.

For low volume foliar applications, mix 52 to 80 ounces of VIEWPOINT HERBICIDE per 100 gallons of spray solution. Do not apply more than 25 gallons of the spray solution per acre at the 80 ounces per 100 gallon spray solution mix rate.

HIGH-VOLUME FOLIAR APPLICATION

See Table 1 for use rate and mixing guidelines. High volume applications may be applied at rates equivalent to 20 ounces product per acre per year. Where a rate range is indicated for the brush species, use the higher rate for high density brush sites. For best results, use MSO adjuvant at the rate of 1% V/V to the spray solution. High volume ground spray applications will typically use 100 to 400 gallons of spray solution per acre. When making high-volume foliar applications, apply near the tops of the brush plants in a light drizzle pattern. The spray solution must reach the crown of the plants and trickle down into the canopy. Use sufficient spray volume to thoroughly and uniformly wet foliage and stems but don't over apply causing run-off.

Method

[Broadcast/Foliar Ground](#)

Timings

[N.A.](#)