

2017-2310  
2017-06-14

GROUP	M	2	12	FUNGICIDES
-------	---	---	----	------------

Container label

## QUALI-PRO INTAGLIO Fungicide

SUSPENSION

COMMERCIAL

For use on golf courses.

<b>GUARANTEE:</b>	Chlorothalonil	360 g/L
	Iprodione	55 g/L
	Fludioxonil	17.4 g/L

Contains 1,2-benzisothiazolin-3-one at 0.077% as a preservative.

**REGISTRATION NUMBER: 32765** PEST CONTROL PRODUCTS ACT

**READ THE LABEL AND PAMPHLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN**

**CAUTION**



**POISON**

CAUTION EYE IRRITANT POTENTIAL SKIN SENSITIZER

**For emergency medical help call PROSAR at 1.877.250.9291 (24 hours a day)  
For spill, leak or fire call INFOTRAC at 1.800.535.5053 (24 hours a day)**

**NET CONTENTS: 1 L – 1050 L**

**ADAMA Agricultural Solutions Canada Ltd.**  
302 - 179 McDermot Ave  
Winnipeg MB R3B 0S1  
1-855-264-6262

## PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed or inhaled. May irritate eyes, avoid contact with eyes. Potential skin sensitizer. Do not get in eyes or on skin. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Prolonged or frequent, repeated skin contact may cause allergic reactions in some individuals.

### **Personal Protective Equipment**

Wear protective goggles or face shield, long pants, a long sleeve shirt, socks, chemical resistant footwear and chemical resistant gloves during mixing/loading, application, clean-up and repair activities. In addition, during mixing and loading wear a chemical resistant apron.

## FIRST AID

**IF POISONING IS SUSPECTED, IMMEDIATELY** contact a physician or a poison control centre. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**IF SWALLOWED**, call a poison control centre 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 a poison control centre or doctor. **DO NOT** give anything by mouth to an unconscious person.

**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 centre 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 centre or doctor for treatment advice.

**IF INHALED**, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

## TOXICOLOGICAL INFORMATION

There is no specific antidote if this product is ingested. Treat symptomatically if ingested or in contact with eyes or skin.

**DO NOT** store near feed or foodstuffs. Store in a cool place. Protect from excessive heat. Apply only to areas specified on label.

**DO NOT** enter or allow entry into the treated area until Quali-Pro INTAGLIO Fungicide is dry.

## ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

The use of this chemical may result in contamination of groundwater particularly in areas where

soils are permeable (e.g. sandy soil) and/or the depth of the water table is shallow.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff maybe reduced by including a vegetative strip between the treated area and the edge of the water body.

Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application sites such as hedgerows and woodlands.

## **STORAGE**

To prevent contamination store this product away from food or feed.

## **DISPOSAL OF UNUSED, UNWANTED PRODUCT**

For information on disposal of unused, unwanted product, or in the case of a spill or spill clean-up, contact the manufacturer or the provincial regulatory agency.

### **CONTAINER DISPOSAL:**

#### **For recyclable containers for commercial use:**

**DO NOT** reuse this container for any other purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank or dispose of the rinsings in accordance with provincial requirements.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

#### **For refillable containers commercial use:**

**DO NOT** reuse this container for any other purpose. For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product.

#### **For returnable containers commercial use:**

**DO NOT** reuse this container for any other purpose. This empty container may be returned to the point of purchase (distributor/dealer) for disposal.

## **NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

## QUALI-PRO INTAGLIO Fungicide

SUSPENSION

COMMERCIAL

For use on golf courses.

<b>GUARANTEE:</b>	Chlorothalonil	360 g/L
	Iprodione	55 g/L
	Fludioxonil	17.4 g/L

Contains 1,2-benzisothiazolin-3-one at 0.077% as a preservative.

**REGISTRATION NUMBER: 32765 PEST CONTROL PRODUCTS ACT**

**READ THE LABEL AND PAMPHLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN**

**CAUTION**



**POISON**

CAUTION EYE IRRITANT

**For emergency medical help call PROSAR at 1.877.250.9291 (24 hours a day)  
For spill, leak or fire call INFOTRAC at 1.800.535.5053 (24 hours a day)**

**NET CONTENTS: 1 L – 1050 L**

**ADAMA Agricultural Solutions Canada Ltd.**  
302 - 179 McDermot Ave  
Winnipeg MB R3B 0S1  
1-855-264-6262

## PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed or inhaled. May irritate eyes, avoid contact with eyes. Potential skin sensitizer. Do not get in eyes or on skin. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Prolonged or frequent, repeated skin contact may cause allergic reactions in some individuals.

### **Personal Protective Equipment**

Wear protective goggles or face shield, long pants, a long sleeve shirt, socks, chemical resistant footwear and chemical resistant gloves during mixing/loading, application, clean-up and repair activities. In addition, during mixing and loading wear a chemical resistant apron.

## FIRST AID

**IF POISONING IS SUSPECTED, IMMEDIATELY** contact a physician or a poison control centre. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**IF SWALLOWED**, call a poison control centre 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 a poison control centre or doctor. **DO NOT** give anything by mouth to an unconscious person.

**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 centre 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 centre or doctor for treatment advice.

**IF INHALED**, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

## TOXICOLOGICAL INFORMATION

There is no specific antidote if this product is ingested. Treat symptomatically if ingested or in contact with eyes or skin.

**DO NOT** store near feed or foodstuffs. Store in a cool place. Protect from excessive heat. Apply only to areas specified on label.

**DO NOT** enter or allow entry into the treated area until Quali-Pro INTAGLIO Fungicide is dry.

## ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

The use of this chemical may result in contamination of groundwater particularly in areas where

soils are permeable (e.g. sandy soil) and/or the depth of the water table is shallow.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff maybe reduced by including a vegetative strip between the treated area and the edge of the water body.

Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application sites such as hedgerows and woodlands.

## **STORAGE**

To prevent contamination store this product away from food or feed.

## **DISPOSAL OF UNUSED, UNWANTED PRODUCT**

For information on disposal of unused, unwanted product, or in the case of a spill or spill clean-up, contact the manufacturer or the provincial regulatory agency.

### **CONTAINER DISPOSAL:**

#### **For recyclable containers for commercial use:**

**DO NOT** reuse this container for any other purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

3. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank or dispose of the rinsings in accordance with provincial requirements.
4. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

#### **For refillable containers commercial use:**

**DO NOT** reuse this container for any other purpose. For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product.

#### **For returnable containers commercial use:**

**DO NOT** reuse this container for any other purpose. This empty container may be returned to the point of purchase (distributor/dealer) for disposal.

## **NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

## **GENERAL PRECAUTIONS**

QUALI-PRO INTAGLIO can be used effectively in dilute or concentrate sprays. Thorough, uniform coverage is essential for disease control. In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact ADAMA Agricultural Solutions Canada Ltd. at 1-855-264-6262 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by ADAMA Agricultural Solutions Canada Ltd.

**Note:** Prior to pouring, slowly invert container several times to assure uniform mixture.

The required amount of QUALI-PRO INTAGLIO should be added slowly into the spray tank during filling. With concentrate sprays, premix the required amount of QUALI-PRO INTAGLIO in a clean container and add to the spray tank as it is being filled. Keep agitator running when filling spray tank and during spray operations. Dosage rates on this label indicate mL of QUALI-PRO INTAGLIO per 100 square metres or Litres per hectare, unless specified otherwise.

## **PRODUCT INFORMATION**

QUALI-PRO INTAGLIO is a flowable product containing fungicides with multiple modes of action, to provide broad-spectrum preventative and early curative control of labelled diseases that injure coldseason turf on golf courses.

Apply QUALI-PRO INTAGLIO with ground equipment using sufficient volume of spray to provide thorough coverage. Do not tank mix with highly alkaline pesticides such as Bordeaux mixture or lime sulfur. No claim of compatibility with other pesticides is implied.

Use the mL/100 metres square rate for dilute ground application. Higher spray volume will result in better coverage and better disease control.

## **DIRECTIONS FOR USE**

QUALI-PRO INTAGLIO may be used with most types of spray equipment commonly used for making ground applications. Proper adjustments and calibration of spraying equipment to give good canopy penetration and coverage is essential for good disease control. Use QUALI-PRO INTAGLIO against certain foliar diseases. For use on all turf types to include golf course tees, greens, aprons, fairways and roughs.

## **NOTES:**

Use QUALI-PRO INTAGLIO preventatively or at first sign of disease; it is not phytotoxic on turfgrass.

**Mixing Instructions:** Add the required amount of QUALI-PRO INTAGLIO to a partially filled tank agitated by mechanical or hydraulic means. Add the remaining required amount of water. Maintain continuous agitation to keep the material in suspension. For best results, use spray mixture the same day it is prepared. When tank mixing other products with QUALI-PRO INTAGLIO, follow the proper sequence of additions to the spray tank. Dissolve, any product in water-soluble packaging fully, before adding water dispersible granules or wettable powders. Following uniform dispersion of any dry products within the tank, suspension concentrates such as QUALI-PRO INTAGLIO can be added. Emulsifiable concentrates should be added last.

**Turf Types:** All golf course related coolseason grasses (such as but not limited to Bentgrasses, Bluegrasses, Fescues, Ryegrasses) or their mixtures.

**Controlling Turf Disease:** Applications are warranted when conditions favor development of disease. Continue applications within the limitations recited below for as long as these conditions persist. For severe disease pressure, select the shortest interval corresponding to the remarks found below.

**Turf Application Directions:**

Apply QUALI-PRO INTAGLIO uniformly over the area to be treated with a properly calibrated power sprayer. Apply after mowing or avoid mowing for 12 hours after application. Apply sufficient water to obtain thorough coverage; usually 5-9 Litres per /100m<sup>2</sup> or 600-1000 Litres per hectare. When treating golf course greens, always treat aprons and approaches to golf greens.

**DISEASES:**

**Gray Snow Mould** (*Typhula incarnata*)

**Pink Snow Mould** (*Microdochium nivale*)

**RATE (mL/100 m<sup>2</sup>)** 350

**INSTRUCTIONS:** Apply QUALI-PRO INTAGLIO once in middle October to late November before snow cover. Do not apply on top of snow or when the temperature is below 0°C. Do not apply more than 1 application per season.

**Brown Patch** (*Rhizoctonia solani*)

**RATE (mL/100 m<sup>2</sup>)** 250

**INSTRUCTIONS:** Apply at the first sign of brown patch symptoms or preventatively when stressful environmental conditions favour disease development. Make additional applications as needed at 14-21 day intervals. Use the shortest application interval when disease pressure is moderate to high. Allow spray to dry on leaves with no watering in. Do not apply more than 2 applications of QUALI-PRO INTAGLIO before alternating with a fungicide with a different mode of action.

This product is not to be used around homes or other residential areas such as parks, school grounds, playing fields. It is not for use by homeowners or other unlicensed users. Do not apply this product in a way that will contact workers or other persons or pets either directly or through drift. Only protected handlers (see 'Personal Protective Equipment' above) may be in the area during application.

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) medium classification. Boom height must be 60 cm or less above the crop or ground.



**DO NOT** apply by air.

### Buffer zones

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and spot-treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas, and shrublands), sensitive freshwater habitats

(such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands) and estuarine/marine habitats.

Method of application	Crop	Buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial habitat
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Turf	15	2	15	5	1

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.

### RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, QUALI-PRO INTAGLIO Fungicide contains a Group M, Group 2 and Group 12 Fungicide. Any fungal population may contain individuals naturally resistant to QUALI-PRO INTAGLIO Fungicide and other Group M, Group 2, and Group 12 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

#### To delay fungicide resistance:

Where possible, rotate the use of QUALI-PRO INTAGLIO Fungicide or other Group 3, Group 2 and Group M fungicides with different groups that control the same pathogens.

Use tank mixtures with fungicide from a different group that is effective on the target pathogen when such use is permitted.

Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.

Where possible, make use of predictive disease models to effectively time fungicide applications.

Monitor treated fungal populations for resistance development. Notify ADAMA Agricultural Solutions Canada Ltd. if reduced sensitivity of the pathogen to QUALI-PRO INTAGLIO Fungicide is suspected.

If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different site of action, if available.

Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.

For further information and to report suspected resistance, contact company representatives at 1.855.264.6262 or [www.adama.com/canada/en/](http://www.adama.com/canada/en/).