

# POISON

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

# QUALI-PRO<sup>®</sup>

# Enclave<sup>®</sup>

## Fungicide

### ACTIVE CONSTITUENTS:

**365 g/L CHLOROTHALONIL**

**119 g/L IPRODIONE**

**119 g/L THIOPHANATE-METHYL**

**36 g/L TEBUCONAZOLE**

**GROUP M5|2|1|3 FUNGICIDE**

Uses: Intensively Managed Turf including Bowling Greens; Golf Course Fairways; Greens and Tees, Racetracks and Sports Fields only

Controls: Various diseases as specified in the Directions for Use

Formulation type  
Suspension  
Concentrate



# ADAMA

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CONTENTS: 1 - 20 L

### RESTRAINTS

- DO NOT** use for treating home garden or residential turf/lawns.
- DO NOT** apply by aerial spraying equipment.
- DO NOT** apply by spraying equipment carried on the back of the user.
- DO NOT** apply via any type of irrigation system or ultra-low volume spray system.
- DO NOT** permit public access to treated areas until the spray has dried.
- DO NOT** apply on slopes exceeding 9%.
- DO NOT** apply if heavy rains or storms are forecast within 3 days.
- DO NOT** irrigate to the point of runoff for at least 3 days after application.
- DO NOT** apply in Tasmania on fairways adjacent to natural water courses.

### SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at [apvma.gov.au/spraydrift](http://apvma.gov.au/spraydrift).

- DO NOT** allow bystanders to come into contact with the spray cloud.
- DO NOT** apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone table below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.
- DO NOT** apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.
- DO NOT** apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.
- DO NOT** apply by a boom sprayer unless the following requirements are met:
  - Spray droplets not smaller than a COARSE spray droplet size category
  - Minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer Zones for Boom Sprayers') are observed.

## Buffer Zones for Boom Sprayers

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones		
		Natural aquatic areas	Vegetation areas	Pollinator areas
Up to maximum label rate	0.5 m or lower	40 m	0 m	0 m

### DIRECTIONS FOR USE

SITUATION	DISEASES CONTROLLED	RATE	CRITICAL COMMENTS
Intensively managed bowling greens; golf course fairways, greens and tees; racetracks and sports fields	<b>Brown patch</b> ( <i>Rhizoctonia solani</i> ) <b>Dollar spot</b> ( <i>Sclerotinia homoeocarpa</i> ) <b>Fusarium patch</b> ( <i>Microdochium nivale</i> ) <b>Anthraxnose</b> ( <i>Colletotrichum</i> spp.) <b>Helminthosporium</b> disease affecting leaf, crown and roots: (black and white <i>Helminthosporium</i> spot, <i>Bipolaris</i> spp., <i>Drechslera</i> spp., <i>Exserohilum</i> spp.) <b>Grey Leaf Spot</b> ( <i>Pyricularia grisea</i> )	16 – 24 L/ha	<b>Curative program:</b> Repeat treatment after 21 days when using the lower rate of 16 L/ha. Under conditions of severe disease pressure, use the higher rate of 24 L/ha with a 28 day interval. <b>For preventative treatment:</b> Apply as a monthly spray program. This use is subject to FRAC anti-resistance strategy. Do not apply more than 2 consecutive sprays of QUALI-PRO® ENCLAVE® or related fungicides unless tank mixed with a fungicide from a different activity group.
	<b>Ectotrophic Root Infection (ERI)</b> including but not limited to: Spring Dead Spot ( <i>Ophiosphaerella narmari</i> , <i>O.korrae</i> ), Couch Decline ( <i>Gaeumannomyces graminis</i> var <i>graminis</i> ) Take-all Patch ( <i>Gaeumannomyces graminis</i> var <i>avenae</i> ), Summer Patch ( <i>Magnaporthe</i> spp.) Summer Decline ( <i>Wongia griffini</i> ) Fairway Patch ( <i>Phialocephala bamuru</i> )	24 L/ha	Apply in autumn, after renovation and recovery of active growth. Make a second application 28 days later. For additional protection another application can be applied in early Spring.  Apply QUALI-PRO® ENCLAVE® in a preventative fungicide management program. Begin application when conditions are favourable for fungal infection, prior to disease symptom development.
	<b>Moss</b>	16 L/ha in 400-800 L of water	Apply a minimum of 2 applications at 7 to 14 days interval. Application is restricted to a maximum of 3 applications at 16 L/ha with a 7-day interval. DO NOT mow or water treated area until turf or lawn is thoroughly dry, ideally allow 24 hours.
	<b>Algae</b> ( <i>Cyanobacteria</i> )		Repeat applications at 7 to 14 day interval if conditions favour disease development. Application is restricted to a maximum of 3 applications at 16 L/ha with a 7-day interval. DO NOT mow or water treated area until turf or lawn is thoroughly dry, ideally allow 24 hours.

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

#### WITHHOLDING PERIODS

**DO NOT GRAZE OR CUT FOR STOCK FOOD.**

**DO NOT GRAZE TREATED AREAS OR FEED TURF CLIPPINGS FROM TREATED AREAS TO ANIMALS INCLUDING POULTRY.**

#### GENERAL INSTRUCTIONS

##### MIXING

Add the required amount of product to the partly-filled spray tank with the agitator in operation. Fill the tank with water, and continue agitation during spraying and after a stoppage.

##### APPLICATION

**Algae, Moss, Foliar and Crown Diseases:** (Anthraxnose, Brown Patch, Dollar Spot, Red Thread, Helminthosporium Diseases, Leaf Spots):

Application volume should be adequate to ensure thorough and even coverage of the turf leaves and penetration into the crowns. Ideal application volumes should be between 350 and 500 L/ha. For best results use coarse [Turbo Teejet\* or AIXR Teejet\* (11004 or 11005)] nozzles, at 5 km/h and 3 bar pressure. In higher cut turf (>15mm) a significant spray shielding effect can occur, impacting negatively on spray penetration and even coverage at low application volumes. Good control requires good coverage. Application should be made in sufficient water to ensure thorough coverage.

**Root Infecting Diseases** (Brown Patch, ERI): Apply in a minimum of 750 L water/ha using air induction 08 nozzles and irrigate within 1 hour of application to wash the QUALI-PRO® ENCLAVE® into the upper root zone.

Do not apply more than 3 applications of QUALI-PRO® ENCLAVE® per season.

#### FUNGICIDE RESISTANCE WARNING

QUALI-PRO® ENCLAVE®  
 Fungicide is a combination of Methyl Benzimidazole Carbamate (MBC), Dicarboximide, DMI and Chloronitrile. For fungicide resistance management QUALI-PRO® ENCLAVE® is a group 1, 2, 3 and M5 fungicide. Some naturally occurring individual fungi resistant to QUALI-PRO® ENCLAVE® and other Group 1 and/or Group 2 and/or Group 3 and/or Group M5 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by QUALI-PRO® ENCLAVE® or other Group 1 and/or Group 2 and/or Group 3 and/or Group M5 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since occurrence of resistant fungi is difficult to detect prior to use, Adama Australia accepts no liability for any losses that may result from the failure of QUALI-PRO® ENCLAVE® to control resistant fungi.

GROUP **M5 2 1 3** FUNGICIDE

**PRECAUTION**

If applying by low pressure hand held equipment at a rate exceeding 18 L/ha, do not exceed a work rate of 0.15 ha per day or handle more than 4 L of undiluted product per day.

**Re-entry Period**

DO NOT enter treated areas to undertake maintenance activities, including mowing grass, until the spray has dried.

DO NOT carry out transplanting and/or weeding activities for 3 days after treatment, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

**PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS**

DO NOT apply under weather conditions, or from spraying equipment that may cause drift onto nearby plants/crops, cropping lands or pastures.

**PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS**

Harmful to bee brood. DO NOT apply to flowering weeds or plants within the treatment area.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Highly toxic to aquatic life. DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.

**STORAGE AND DISPOSAL**

Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Triple rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site.

If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

**drumMUSTER containers**

Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple rinse container for disposal. Dispose of rinsate by adding it to the spray tank. Do not dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection or similar container management program site. The cap should not be replaced, but may be taken separately.

**SAFETY DIRECTIONS**

Harmful if inhaled or swallowed. May irritate the eyes. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. Avoid inhaling vapour or spray mist. When preparing and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. In addition, when pouring large quantities, wear a half facepiece respirator with organic vapour cartridge or canister.

If applying by low pressure hand wand, wear cotton overalls over normal clothing, buttoned to the neck and wrist, elbow-length chemical resistant gloves and a half facepiece respirator with organic vapour cartridge or canister. Wash hands after use. After each day's use, wash gloves, contaminated clothing and respirator, and if rubber wash with detergent and warm water.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

If swallowed, do NOT induce vomiting.

**WARNING** – Contains chlorothalonil and thiophanate-methyl which cause asthma and/or respiratory sensitisation. Sensitive workers should avoid contact with these substances.

**SDS**

Additional information is listed in the safety data sheet (SDS). A safety data sheet for QUALI-PRO® ENCLAVE® is available from adama.com or call Customer Service on 1800 423 262.

**CONDITIONS OF SALE:** The use of QUALI-PRO® ENCLAVE® Fungicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Adama Australia regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Adama Australia accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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