

# Monstar<sup>®</sup> SC Fungicide



**GROUP 7 FUNGICIDE**

**Active Constituent:** 464 g/L FLUTOLANIL  
**Poison Schedule:** UNSCHEDULED  
**APVMA Approval No:** 66363



Eligible containers  
5L

For the control of seed-borne black scurf (*Rhizoctonia solani*) in potatoes and fairy ring in turf as per the DIRECTIONS FOR USE Table.

## Pack Size:

5L (4 x 5L per carton)  
1L (12 x 1L per carton)

## Dangerous Goods Class:

Not classified as a dangerous good under the Australian Code for Transport and Storage of Dangerous Goods in Australia.

## DIRECTIONS FOR USE

### RESTRAINTS

DO NOT apply by aircraft.  
DO NOT apply if heavy rains or storms that are likely to cause runoff are forecast within 3 days.  
DO NOT irrigate to the point of runoff for at least 3 days after application.

### SPRAY DRIFT RESTRAINTS

DO NOT apply with spray droplets smaller than a COARSE spray droplet size category according to "APVMA Compliance Instructions for Mandatory COARSE or Larger Droplet Size Categories" located under this title in the GENERAL INSTRUCTIONS section of this label.  
DO NOT apply when wind speed is less than 3 or more than 20 kilometres per hour, as measured at the application site.  
DO NOT apply during surface temperature inversion conditions at the application site.  
Users of this product MUST make an accurate written record of the details of each spray application within 24 hours following application, and must KEEP this record for at least 2 years. The spray application details that must be recorded are :

1. Date with start and finish times of the application
2. Location address and paddock(s) sprayed
3. Full name of this product
4. Amount of product used per hectare and number of hectares applied to
5. Crop or situation and weed or pest
6. Wind speed and direction during application
7. Air temperature and relative humidity during application
8. Nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application
9. Name and address of person applying this product. (Additional record details may be required by the State or Territory where this product is used.)

### MANDATORY NO-SPRAY ZONES

DO NOT apply if there are sensitive crops, gardens, landscaping vegetation, protected native vegetation or protected animal habitat within 5 metres downwind from the application area.  
DO NOT apply if there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers within 120 metres downwind from the application area.



## DIRECTIONS FOR USE

Crop	Disease	Rate	Critical Comments
Potatoes	Black scurf ( <i>Rhizoctonia solani</i> ) (seed-borne infections only)	150 mL/ tonne of seed potatoes	In order to achieve optimum results, Monstar application should achieve uniform coverage of all seed potatoes. Monstar can be applied either undiluted or mixed with 3 litres of water to ensure thorough even coverage of seed potatoes. Seed must be treated uniformly using suitable treatment machinery. Where conditions are likely to favour seed piece decay (eg. high temperatures and wet soil soon after planting): <ul style="list-style-type: none"> <li>• Ensure cut tubers are properly cured before application</li> <li>• Ensure treated seed is dry prior to planting</li> <li>• Avoid treatment on the planter, or immediately prior to planting</li> </ul>
Recreational turf: Golf greens, Bowling greens, Sports ovals and arenas	Fairy Ring	150-200mL/100m <sup>2</sup>  Plus  250mL soil wetting agent/100m <sup>2</sup> . Spray in at least 400L water/ha to ensure even coverage, and follow up with 5-10mm irrigation or rain immediately.	Coring affected areas before application may assist penetration. Apply when ring becomes apparent and repeat at 2-4 week intervals up to a maximum of 3 applications per season. Use the higher rate for severe infections.

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



**WITHHOLDING PERIOD NOT REQUIRED WHEN USED AS DIRECTED.**

## GENERAL INSTRUCTIONS

### Potatoes

Monstar SC Fungicide is for the protection of potatoes against seed-borne black scurf (*Rhizoctonia solani*). Monstar is sprayed onto seed potatoes prior to planting. When applied as directed, this product will protect progeny tubers from infection via seed-borne *Rhizoctonia solani*. No claim is made for protection of tubers against soil-borne *Rhizoctonia solani*. Best results will be achieved where other management practices (such as crop rotation) are employed to reduce the occurrence of soil-borne *Rhizoctonia solani*.

### Application

#### Potatoes

Monstar SC Fungicide is applied to seed potatoes prior to, or at planting. Application must be conducted with an applicator suitable for liquid treatments. The equipment must be properly calibrated to ensure even coverage and correct application rates.

Monstar must be applied at the correct rate and achieve thorough even coverage of seed potatoes. Monstar should be applied onto dry tubers with a fine spray, ensuring even coverage of all surfaces. Tubers should be free from soil deposits at application. If using diluted Monstar, the tank mix should be constantly agitated in the spray tank during application. Do not store diluted product.

### Turf

Monstar can be applied using boomspray or vertispraying through a fish-mouthed nozzle. It is important to water in with the equivalent of 5mm rain immediately after application for control of fairy ring.

Complying with the label requirement to use a specific droplet size category means that the correct nozzle that will deliver that droplet size category under the spray operation conditions being used. The APVMA has approved only the following specific methods for choosing the correct nozzle to deliver a COARSE or larger droplet size category.

USE ONLY nozzles that the nozzles' manufacturer has rated to deliver a COARSE, a VERY COARSE or an EXTREMELY COARSE droplet size category, as referenced in ASAE S572 or BCPC. Choose a nozzle that is specified to provide the droplet size category required in the label Spray Drift Restraints.

DO NOT use a higher spray system pressure than the maximum the manufacturer specifies for the selected nozzle to deliver the droplet size category required in the Spray Drift Restraint.

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### Fungicide Resistance Warning

Monstar is a carboxamide fungicide. For fungicide resistance management, Monstar is a Group 7 fungicide. Some naturally-occurring fungal biotypes resistant to Monstar, and other Group 7 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 Monstar and other Group 7 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, Colin Campbell (Chemicals) Pty Ltd accepts no liability for any losses that may result from the failure of Monstar to control resistant fungi.

### Trade Advice

Growers should note that suitable MRLs or import tolerances may not be established in all markets for produce treated with Monstar SC Fungicide. If you are growing produce for export, please check with Colin Campbell (Chemicals) Pty Ltd for the latest information on MRLs and import tolerances BEFORE using Monstar.

### Equipment

Monstar is applied to seed potatoes prior to, or at planting. Application must be conducted with an applicator suitable for liquid treatments. The equipment must be accurately calibrated to ensure even coverage and correct application rates.

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## Compatibility

*Potatoes* : If using dust treatments (firbark, lime or mancozeb), these should be applied to tubers before applying Monstar. The use of cement dust is not recommended on tubers to be treated with Monstar.

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*Turf*: The use of Monstar with other pesticides is not recommended.

## PRECAUTIONS

Do not use treated seed potatoes for human or animal consumption. Do not allow potatoes intended for human or animal consumption to become contaminated with this product. Store treated seed potatoes away from other potatoes, animal feed or foodstuffs, in a cool, dry storage area. Clearly label bins, bags or other containers of treated seed potatoes, to indicate that they have been treated with Monstar. Do not use bins, bags or containers that have held Monstar treated potatoes for any other purpose, including storage of potatoes intended for human or animal consumption.

## PROTECTION OF LIVESTOCK

DO NOT use treated potato seed for animal consumption.

DO NOT allow feed intended for animal consumption to become contaminated with this product.

DO NOT use grass clippings from Monstar treated areas for animal consumption.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate streams, rivers or waterways with the product or used containers.

## STORAGE AND DISPOSAL

### Product and product container

Keep out of reach of children. Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Triple or preferably pressure 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 for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the 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.

### Application equipment

Thoroughly rinse all application equipment with clean water immediately after use and dispose of rinsings in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots.

## FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre (telephone 13 11 26).

## SAFETY DATA SHEET

For further information, refer to the Safety Data Sheet. A copy can be obtained from the website :

[www.campbellchemicals.com.au](http://www.campbellchemicals.com.au)

## ADDITIONAL HAZARD AND PRECAUTIONARY STATEMENTS AS REQUIRED BY WORKSAFE AUSTRALIA

Causes mild skin irritation. Keep out of reach of children. Avoid breathing dust, fumes, gas, mist, vapours or spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product.

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## **MATERIAL SAFETY DATA SHEET**

For further information, refer to the Material Safety Data Sheet. A copy can be obtained from the website : [www.campbellchemicals.com.au](http://www.campbellchemicals.com.au)

## **CONDITIONS OF SALE**

Agricultural, horticultural and pastoral preparations in their application involve varying factors such as differing conditions, soil, climate and methods of application over which the vendor does not have control, Whilst Colin Campbell (Chemicals) Pty. Ltd believes that all goods sold by it are true to label and are effective and safe for purpose indicated the company and the seller hereby expressly negate and exclude any express or implied condition, statement or warranty, statutory or otherwise, as to quality or fitness of any goods sold for any purpose or purposes whatsoever except such warranties and conditions, if any, as are implied by the Trade Practices Act 1974 (Commonwealth). The company and the seller accept no responsibility for any loss, harm or damage whatsoever suffered from the use of such goods for any purpose or purposes irrespective of whether or not the buyer was acting in reliance upon the advice recommendation or representation of the seller or any representative agent of employee of the company as to such use except in respect of breaches of conditions and warranties, if any, implied by the Trade practices Act and in respect of such breaches the liability of the company and the seller shall be limited to the replacement of the goods or the supply of equivalent goods, or the payment of the cost of replacing the goods.

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