

## CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

# Cataclysmic<sup>®</sup> 250

Seed Dressing Fungicide

ACTIVE CONSTITUENT: 250 g/L IPRODIONE

SOLVENT: 316 g/L LIQUID HYDROCARBONS

GROUP

2

FUNGICIDE

For the control of Brown Spot and the suppression of Hypocotyl Rot, in the first four weeks after emergence, in Lupins and for the control of Hypocotyl Rot in potatoes as specified in the Directions for Use Table.

CHEMINOVA AUSTRALIA PTY LTD

A.B.N. 59 472 616 773

A.C.N. 110 199 169

12 JULIUS AVE

NORTH RYDE NSW 2113

PH: 1800 624 597

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

CONTENTS: 5L, 20L, 60L, 100L, 110L,  
200L, 1000 L

## DIRECTIONS FOR USE

CROP	DISEASE	STATE	RATE	CRITICAL COMMENTS
Lupins	Brown leaf spot ( <i>Pleiochaeta setosa</i> ), Rhizoctonia hypocotyl rot ( <i>Rhizoctonia solani</i> ) (suppression only)	WA only	<b>Pre-sowing Treatment</b> (Feb-May) 100-400mL/100kg seed <b>Post-harvest Treatment</b> (Dec-Jan) 400 mL/100 kg seed	Mix with water and apply in a total volume of 600 mL mixture/100 kg seed using suitable seed dressing application equipment. Ensure thorough coverage of seed. Use in conjunction with other disease management practices. See General Instructions for details. Use high rate in areas likely to be exposed to high disease pressure. (e.g. Central and Eastern Wheat Belt areas with close rotations and a history of brown leaf spot or where other disease management practices are not followed). Application of Cataclysmic 250 will provide suppression of Hypocotyl rot and can reduce Pleiochaeta root rot in some situations.
	Brown leaf spot ( <i>Pleiochaeta setosa</i> )	NSW, ACT, Vic, SA only	100-500 mL/100 kg seed in 500 mL water	Apply using suitable seed dressing application equipment. Ensure thorough coverage of seed. Application can reduce pleiochaeta root rot in some situations. Use high rate in areas likely to be exposed to high disease pressure. (e.g. areas with close rotations and a history of brown leaf spot or where other disease management practices are not followed).
Potatoes	Hypocotyl rot (Black Scurf) ( <i>Rhizoctonia solani</i> )	All States	800 mL/tonne seed material	Cataclysmic 250 will protect emerging shoots from Hypocotyl Rot, improving overall germination. Cataclysmic 250 may also reduce occurrence of Black Scurf on the harvested potatoes. Ensure good coverage of seed material and planting furrow. DO NOT plant into waterlogged soil.

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

### WITHHOLDING PERIOD (Harvest & Grazing)

**Lupins, Potatoes: NOT REQUIRED WHEN USED AS DIRECTED.**

### GENERAL INSTRUCTIONS

Lupins only: This product will reduce rhizobium inoculum levels on inoculated seed and should only be used on seed to be sown in ground where existing soil inoculum levels will provide adequate nodulation. Spray inoculation is not recommended.

This product should be used as part of an integrated disease management strategy, particularly in areas with high disease pressure. Where possible, the following disease management practices should be used in conjunction with Cataclysmic 250:

- \* Stubble Retention
- \* Direct Drilling
- \* Correct Seeding Depth
- \* Correct Rotations
- \* Clean Seed Source
- \* Correct Seeding Rate
- \* Avoid Late sowing

### FUNGICIDE RESISTANCE WARNING

GROUP	2	FUNGICIDE
-------	---	-----------

Cataclysmic 250 Seed Dressing Fungicide is a member of the Dicarboximide group of fungicides. For fungicide resistance management the product is a Group 2 fungicide. Some naturally occurring individual fungi resistant to the product and other Group 2 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 this Cataclysmic 250 or other Group 2 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, Cheminova Australia Pty. Ltd. accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

### Mixing

Shake the container well before using. Add the required volume of Cataclysmic 250 to the water whilst agitating.

### Application

Lupins only: Slowly add the mixture to the seed and mix thoroughly ensuring thorough coverage of the seed.

Potatoes only: Ensure good coverage of seed material and planting furrow. This can be achieved by applying Cataclysmic 250 as a fine spray to the seed at the time of planting using spray equipment mounted on the planter, and nozzles located at three points on each planter row to ensure uniform coating of the seed.

A minimum water volume of 80 L/tonne should be used.

Further information can be obtained from an Cheminova representative.

## PRECAUTION

When treated seed is stored, it should be kept apart from other grains or seeds, and the containers or bags should be clearly marked to show that the contents have been treated with Cataclysmic 250. DO NOT use treated seed for human consumption. DO NOT allow treated seed to contaminate food for human consumption.

Bags that have held treated seed should not be used for any other purpose. Any seed not used for sowing should be destroyed.

## PROTECTION OF LIVESTOCK

DO NOT feed treated seed to animals, including poultry. DO NOT allow treated seed to contaminate grain intended for animal consumption.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT feed treated seed or otherwise expose wildlife or domestic birds. DO NOT contaminate streams, rivers or waterways with chemical or bags which have held treated seed.

## STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight.

### *Leaflet*

The method of disposal of the container depends on the container type. Read the 'Storage and Disposal' instructions on the label that is attached to the container.

### *Non-returnable containers only*

Triple or preferably pressure rinse containers before disposal. Add rinsings to the 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.

### *60, 100, 110L*

Do not remove or tamper with the dry valves or security seal. Do not contaminate the drum with water or any other foreign matter. After each use of the product ensure that the dry valve coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the drum is empty remove the dry valve coupler and return to the point of purchase.

### *1000L*

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

## SAFETY DIRECTIONS

May irritate the eyes. Avoid contact with eyes. When opening the container and using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat and elbow length PVC gloves and face shield. Wash hands after use. After each day's use, wash gloves, face shield and contaminated clothing.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed DO NOT induce vomiting. Give a glass of water

## SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet available from [www.cheminova.com.au](http://www.cheminova.com.au).

## WARNING

This product must be used, handled and stored strictly as directed in accordance with this label, packaging and other reference material ("Directions"). To the extent permitted by law Cheminova Pty Ltd and its related companies will have no liability for any injury, loss or damage arising from a failure to follow the Directions.

APVMA Approval No: 62203/62072

Batch No:

Date of Manufacture:

140129-T

Drummuster logo (relevant pack sizes)

® Registered trademark of Cheminova Australia Pty Ltd

FOR 24 HOUR SPECIALIST ADVICE IN EMERGENCY ONLY PHONE 1800 033 111
--------------------------------------------------------------------------

