



Product Name: BARMAC THIRAM LIQUID FUNGICIDE

Product ID: 54659

Label Name:	BARMAC THIRAM LIQUID FUNGICIDE
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Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENT: 600 g/L THIRAM
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Mode of Action:	GROUP M3 FUNGICIDE
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Statement of Claims:	For the control of: Fungal diseases of turf and as a seed treatment as per Directions for Use.
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Net Contents:	1000L 200L 20L 25L 5L
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Restrains:	RESTRAINTS: DO NOT mix this product in a slurry with chickpea or lupin rhizobial inoculant. Only treat good quality sound seed as treatment of mechanically damaged or poor quality seed may result in reduced germination and/or reduced seedling vigour and emergence
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.
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Trade Advice:	
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General Instructions:	This section contains file attachment.
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Resistance Warning:	<p>FUNGICIDE RESISTANCE WARNING: GROUP M3 FUNGICIDE</p> <p>For fungicide resistance management Barmac Thiram Liquid Fungicide is a Group M3 fungicide. Some naturally occurring individual fungi resistant to Barmac Thiram Liquid Fungicide and other Group M3 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by Barmac Thiram Liquid Fungicide and other Group M3 fungicides, thus resulting in reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, Barmac accepts no liability for any losses that may result from the failure of Barmac Thiram Liquid Fungicide to control resistant fungi.</p>
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Precautions:	
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Protections:	<p>PROTECTION OF LIVESTOCK: Do not feed grass clippings from treated areas or treated seed to poultry, birds or animals. Seed treated with this product must not be used for animal or human consumption. Destroy any treated seed that has not been used.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT: Dangerous to fish. Do not contaminate streams, rivers or waterways with the chemical or used containers including empty bags which have held treated seed. Do not feed or allow birds or wild animals to access treated seed.</p>
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Storage and Disposal:	<p>STORAGE AND DISPOSAL</p> <p>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 cleaned 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 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.</p>
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Safety Directions:	<p>SAFETY DIRECTIONS:</p> <p>May irritate the eyes, nose, throat and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. Do not inhale spray mist. When opening the container, preparing and using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length PVC gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it</p>
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	out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.
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First Aid Instructions:	
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FIRST AID:

If poisoning occurs contact a doctor or Poisons Information Centre ph. 131126. Avoid giving alcohol.

First Aid Warnings:	
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GENERAL INSTRUCTIONS

MIXING: Turf should be in good nutritional condition prior to treatment to prevent damage to sensitive turf species (e.g. fescues, bluegrass and turf type rye grass), if repeat applications are made too soon.

This product can be applied to seed undiluted or may be mixed with water to achieve optimum coverage of the grain. Volumes of water used will depend upon equipment to be used and product rate. Use only in equipment designed for applying liquids or slurries to seed. As flakes may form on the inside of the container, filter before use. Do not allow product to dry in application equipment as the resulting flakes can block filters and nozzles reducing the performance of the equipment. Clean equipment with water after use.

Shake container well before and either shake or agitate well once mixed with water. Agitate regularly during application.

INOCULATION (Seed): This product will not affect germination of seed if used as directed, however when rhizobial inoculant is also applied to the seed, the viability of the inoculant may be reduced. Chickpea and lupin inoculant can be applied to the seed in a separate operation after seed treatment. Apply the inoculant on the day of sowing after the fungicide treatment has dried on the seed. Sow into a moist seedbed as soon as possible after treatment. If seed is sown into a dry seedbed the fungicide can cause a reduction in nodulation. Alternatively, inoculant can be sprayed into the furrow at seeding rather than combining with the treated seed. This method of applying inoculant is not recommended in WA.

SOWING: Check seed flow through the sowing equipment as treated seed can flow more slowly.

STORAGE OF TREATED SEED: Store treated seed, if not use immediately after treatment, in a dry well-ventilated place. Poor storage of treated seed such as high moisture combined with high temperature can adversely affect subsequent germination. Treated seed should not be held over from one sowing season to be sowed in subsequent seasons. Treated seed should be stored apart from other seed, seed bags or other containers. Bags should be marked to clearly indicate seed has been treated with this product. Empty bags should not be used for any other purpose.

COMPATIBILITY: Do not mix with lime Sulphur or Bordeaux sprays. Do not mix with fungicides containing copper.

DIRECTIONS FOR USE

Situation	Pest	Rate	Critical Comments
TURF	Brown Patch (<i>Rhizoctonia solani</i>), Helminthosporium Leaf Spot, Fusarium Patch (<i>Fusarium</i> spp.)	160 mL in 20 litres of water per 100m ²	Apply at first sign of disease and repeat at 7-14 day intervals particularly in humid weather
	Damping Off (Not NSW)	200 mL in 60 litres of water per 100m ²	Apply as a drench to the seedbed. Repeat every 5 - 7 days during disease susceptible periods.
SEED TREATMENT CHICKPEAS Kabuli (Garbanzo) Varieties	Damping Off (<i>Pythium</i> spp) and other soil born fungi that cause pre emergence seed rot and seed born Botrytis	2 Litres per tonne of seed	Product can be applied as a slurry by mixing the required volume of product with up to 3 litres of water per tonne of seed. Volume of water used should be sufficient to achieve optimum coverage of the grain (upto 3 Litres of water per tonne of seed). Apply only to good quality seed. Move seed up and down a grain auger or apply in a suitable mixer.
CHICKPEAS Desi Varieties			
LUPINS	Seed Borne Anthracnose	1.7 - 2 Litres per tonne of seed	Thorough mixing of the seed after application is required to ensure good coverage. Handle seed carefully after application and avoid excess wetting to prevent damage to coating.

Situation	Purpose	Rate	Critical Comments
SORGHUM SEED – For Export Only	To meet export requirements	Up to 4 litres per tonne of seed	Treated seed is for export only. Use of product must be in accordance with importing countries requirements. Be aware of any importing countries residue tolerance limits and do not apply product at a rate that will exceed the tolerance limits of the importing country. Treated seed that is not exported must be disposed of in a manner that does not result in planting or consumption by humans or animals.

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