

Product Name: THIRAFLO FLOWABLE FUNGICIDE
APVMA Approval No.: 58072/135434



Label Name:	THIRAFLO FLOWABLE FUNGICIDE
Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	ACTIVE CONSTITUENT 600 g/L THIRAM
Mode of Action:	GROUP M3 FUNGICIDE
Statement of Claims:	For use as a seed treatment to control various fungal diseases of seeds and as a drench to control fungal diseases of turf as specified in the Directions for Use table.
Net Contents:	100L 10L 200L 20L 5L
Restrains:	RESTRAINTS DO NOT mix this product in a slurry with rhizobial inoculants. 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.
Directions for Use:	This section contains file attachment.
Other Limitations:	
Withholding Periods:	NOT REQUIRED WHEN USED AS DIRECTED

Trade Advice:	
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General Instructions:	<p>GENERAL INSTRUCTIONS THIRAFLO FLOWABLE FUNGICIDE is a suspension concentrate (flowable) fungicide for use as a seed treatment to control various fungal diseases of seeds and as a drench to control fungal diseases of turf.</p> <p>INOCULATION OF SEED This product does not adversely affect germination if used as directed; however, when rhizobial inoculants are also applied to seed, the viability of the inoculum may be reduced. Inoculum can be applied to the seed in a separate operation after seed treatment. Apply the inoculum 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, then fungicidal seed treatment can cause a reduction in nodulation. Alternatively, inoculum can be sprayed into the furrow at seeding rather than combined on seed treated with this product. This method of applying inoculum is not recommended in Western Australia.</p> <p>MIXING AND APPLICATION Turf should be in good nutritional condition prior to treatment to prevent damage to sensitive turf species (eg fescues, bluegrass and turf type ryegrass).</p> <p>THIRAFLO FLOWABLE FUNGICIDE may be applied to seed undiluted or may be mixed with water if required to achieve optimum coverage of seed. This requirement will depend on the equipment in use and the rates to be applied. Use only equipment designed to apply suspension concentrate or slurry seed treatments to seed. As the product can dry out on exposed internal container surfaces under hot summer conditions resulting in the formation of flakes, it should be filtered before use. Do not let liquid dry out in application equipment as flakes can block filters and limit the flow to spray nozzles. Equipment used for applying this product can be cleaned out with water. Shake the container before adding water to the product. After adding the required amount of water to the product, shake again. Where the diluted product has been permitted to stand for an extended period, then the mixture should again be agitated well.</p> <p>Handle seed carefully after application and avoid excess wetting to prevent damage to the seed coat.</p> <p>SOWING Check seed flow through the drill after treatment as treated seed can flow more slowly.</p> <p>STORAGE OF TREATED SEED If seed is not used immediately after treatment, it should be stored in a dry, well-ventilated place. Although THIRAFLO FLOWABLE FUNGICIDE has no effect on the viability of treated seed, subsequent germination can be adversely affected by poor storage conditions such as high moisture combined with high temperatures. No liability can therefore be accepted for performance of stored treated seed. Treated seed should not be held over from one sowing season for sowing in subsequent seasons.</p>
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Resistance Warning:	<p>FUNGICIDE RESISTANCE WARNING For fungicide resistance management, THIRAFLO FLOWABLE FUNGICIDE is a Group M3 fungicide. Some naturally occurring individual fungi resistant to THIRAFLO FLOWABLE FUNGICIDE and other Group M3 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal populations if these fungicides are used repeatedly. These resistant fungi will not be controlled by THIRAFLO FLOWABLE FUNGICIDE or other Group M3 fungicides, thus resulting in a reduction in efficacy and possible yield loss.</p>
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Since the occurrence of resistant fungi is difficult to detect prior to use, UPL Australia Pty Ltd accepts no liability for any losses that may result from the failure of THIRAFLO FLOWABLE FUNGICIDE to control resistant fungi.

Precautions:

Protections:

PROTECTION OF LIVESTOCK

Seed treated with THIRAFLO FLOWABLE FUNGICIDE must not be used for animal or human consumption. It is important that any treated seed not used for sowing, is destroyed. Bags that have held treated seed should not be used for any other purpose. DO NOT allow seed treated with THIRAFLO FLOWABLE FUNGICIDE to contaminate grain intended for animal or human consumption. When treated seed is stored, it should be left apart from untreated grain and the bags (or other containers) should be clearly marked to indicate the contents have been treated with THIRAFLO FLOWABLE FUNGICIDE.

DO NOT feed or otherwise expose treated seed to domestic animals or birds.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT feed or otherwise expose treated seed to wild animals and birds. Dangerous to fish. DO NOT contaminate streams, rivers or waterways and drains with this product or used containers/bags that have held treated seed.

Storage and Disposal:

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 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.

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:

SAFETY DIRECTIONS

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 the product and using the prepared product wear cotton overalls buttoned to the neck and wrist, elbow length rubber gloves, face shield or goggles. If product on skin, immediately wash area with soap and water. If product in eyes wash it out immediately with water. Wash hands after use. After each days use, wash gloves, face shield or goggles and contaminated clothing.

First Aid Instructions:

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766. Avoid giving alcohol.

First Aid Warnings:	
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Situation	Disease	Rate	Critical Comments
Turf	Brown patch (<i>Rhizoctonia solani</i>) Helminthosporium disease (<i>Helminthosporium</i> spp.) Fusarium patch (<i>Fusarium</i> spp.)	160 mL in 20 L of water per 100 m ²	Apply at first sign of disease and repeat at 7-14 day intervals, particularly in humid weather.
	Damping off (<i>Pythium</i> spp.)	200 mL in 60 L of water per 100 m ²	Apply as a drench to the seedbed. Repeat every 5-7 days during disease susceptible periods.
Sorghum	Seedling decay complex (<i>Pythium</i> and <i>Rhizoctonia</i> spp.)	2.5 – 3.5 L per tonne seed	THIRAFLO must be applied at the correct rate to achieve uniform coverage of all seeds. THIRAFLO can be applied to the seed undiluted or mixed with water to achieve optimum coverage of grain with the seed treatment. Use the higher rate when disease pressure is expected to be severe. If water is required, make a slurry by mixing 2.7 L of THIRAFLO with 2.3 L of water. Apply this mixture per tonne of seed. Apply only to good quality graded seed. Move the seed up the grain auger or apply in a suitable mixer. The mixing of seed after application is essential to obtain good seed coverage. The total volume of slurry applied per tonne should be minimised to approximately 5 L. In the case of ascochyta and botrytis, THIRAFLO will reduce the incidence of seed-borne infection, but follow up foliar fungicide sprays registered for this purpose will be required to control field infection.
Chickpea seed	Seed-borne botrytis (<i>Botrytis</i> spp.) Seed-borne ascochyta blight (<i>Ascochyta rabiei</i>)	2.0 L per tonne seed	
Lupin seed	Seed-borne anthracnose (<i>Colletotrichum</i> spp.)	1.7 – 2.0 L per tonne seed	
Sorghum and sunflower seed – for export only	To meet export requirements	Up to 4 L 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.