

Product Name: PROLEAF T SEED TREATMENT  
APVMA Approval No.: 54162/136503



Label Name:	PROLEAF T SEED TREATMENT						
Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING						
Constituent Statements:	ACTIVE CONSTITUENTS: 150 g/L TRIADIMENOL 4 g/L TRIFLUMURON						
Mode of Action:	<table border="1"><tr><td>GROUP</td><td>15</td><td>INSECTICIDE</td></tr><tr><td>GROUP</td><td>3</td><td>FUNGICIDE</td></tr></table>	GROUP	15	INSECTICIDE	GROUP	3	FUNGICIDE
GROUP	15	INSECTICIDE					
GROUP	3	FUNGICIDE					
Statement of Claims:	For control of bunt, flag smut and loose smut of wheat and suppression of seedling stripe rust and speckled leaf blotch. For control of covered smut, loose smut and powdery mildew of barley and suppression of leaf scald. For control of loose and covered smut of oats. Treated seed is also protected against insect pests of stored grain.						
Net Contents:	CONTENTS: 5L, 10L, 20L, 100L, 110L, 200L, 1000L						
Restrains:	RESTRAINTS DO NOT treat physically damaged seed.						
Directions for Use:	This section contains file attachment.						
Other Limitations:							

Withholding Periods:	<p><b>WITHHOLDING PERIODS</b>  <b>FOOD PRODUCING CROPS: NOT REQUIRED WHEN USED AS DIRECTED</b>  <b>STOCK: DO NOT GRAZE PLANTS GROWN FROM TREATED SEED, OR CUT FOR STOCK FOOD WITHIN 5 WEEKS OF SOWING</b></p>
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Trade Advice:	
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General Instructions:	<p><b>GENERAL INSTRUCTIONS</b>  Proleaf T, especially at the higher rate of 150 mL/100 kg seed, may delay emergence of wheat. Crops will recover rapidly in most soil types. However, seed treated with the 150 mL/100 kg seed rate should not be sown in soils that are likely to crust or clod at the surface after sowing. Sowing Proleaf T treated wheat deeper than 50 mm may also slightly reduce percentage plant establishment in heavier soils and sowing rates may need to be adjusted accordingly. The possible delay in emergence of wheat treated with the 150 mL/100 kg seed rate may counteract the advantage of suppression of speckled leaf blotch.</p> <p><b>MIXING AND APPLICATION</b>  Proleaf T Seed Treatment may be applied to seed undiluted or may be mixed with water if required to achieve optimum coverage of grain. This requirement will depend on the equipment in use and the rates to be applied. If using water, add the required volume of Proleaf T to the water whilst agitating. Use only through equipment designed to apply suspension concentrate or slurry seed treatments to grain.</p> <p><b>SEED QUALITY</b>  Proleaf T Seed Treatment should not be used on seed with more than 12% moisture content, or on sprung, sprouted, damaged or severely pinched seed, or seed of poor viability. If in doubt, have a germination test carried out on the seed before treatment to ensure that it is of acceptable standard.  Treating with Proleaf as directed will raise the moisture level of the seed by up to 0.6%, depending on weather conditions at treatment. The use of Proleaf mixed with water at recommended rates will have no effect on the storage life of treated sound seed.</p> <p><b>STORAGE OF TREATED SEED</b>  Treated seed may be held over for sowing in the following season. If so, additional insecticide treatment will be necessary. Treated seed prevents insects from multiplying and preserves grain condition but may not kill adult insects migrating from other infested grain. If the seed is not used immediately after treatment it should be stored in a dry, well ventilated place. Although Proleaf T 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 the performance of stored treated seed.</p> <p><b>CLEANING UP</b>  Equipment should be thoroughly cleaned with water. In the event of changing from this water based flowable formulation to a solvent based liquid formulation, it is essential to rinse equipment with methylated spirits after thoroughly cleaning with water. If changing from a solvent based liquid to this water based flowable, thoroughly clean with methylated spirits then rinse with water. Failure to do so will result in clogging of equipment.</p>
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Resistance Warning:	<p><b>FUNGICIDE RESISTANCE WARNING</b>  <b>GROUP 3 FUNGICIDE</b>  Proleaf T Seed Treatment is a member of the DMI group of fungicides. For fungicide resistance management the product is a Group 3 fungicide. Some naturally occurring individual fungi resistant to the product and other Group 3 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually</p>
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dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by this product and other Group 3 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, UPL Australia Pty Ltd accepts no liability for any losses that result from failure of this product to control resistant fungi.

**INSECTICIDE RESISTANCE WARNING  
GROUP 15 INSECTICIDE**

For insecticide resistance management, triflumuron is a Group 15 insecticide. Some naturally occurring insect biotypes resistant to triflumuron and other Group 15 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if triflumuron and other Group 15 insecticides are used repeatedly. The effectiveness of triflumuron on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, UPL Australia Pty Ltd accepts no liability for any losses that may result from the failure of triflumuron to control resistant insects. Triflumuron may be subject to specific resistance management strategies. For further information contact your local supplier, UPL Australia Pty Ltd representative or local agricultural department agronomist.

**Precautions:**

**PRECAUTION**

Do not allow seed treated with this product to contaminate seed intended for human consumption. If possible, use a separate auger for treating seed. If using the same auger for treating seed and moving grain for human consumption, remove all Proleaf T residue from the auger to avoid contaminating untreated seed with seed dressing residues. When treated seed is stored it should be kept apart from other grain and the bags or other containers should be clearly marked to indicate the contents have been treated with this product. Do NOT use treated seed for human consumption. Bags which have held treated seed are not to be used for any other purpose.

**Protections:**

**PROTECTION OF LIVESTOCK**

Seed treated with this product must not be used for animal consumption or poultry feed or mixed with animal feed. Do NOT allow seed treated with this product to contaminate seed intended for animal consumption.

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

Do NOT feed treated seed or otherwise expose to wild or domestic birds. Harmful to fish and aquatic arthropods. Do NOT contaminate dams, rivers, ponds, waterways or drains with this product, used containers or bags which have held treated seed.

**Storage and Disposal:**

**STORAGE AND DISPOSAL**

Store product 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.

Refillable containers: Empty contents fully into application equipment. Close all valves and return to point of supply/designated collection point for refill or storage.

Safety Directions:

SAFETY DIRECTIONS  
Wash hands after use.

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.

First Aid Warnings:

## DIRECTIONS FOR USE

CROP	DISEASE/PEST	RATE	CRITICAL COMMENTS
Wheat	Bunt, Flag smut (seed and soil borne), Loose smut, Suppression of seedling infections of stripe rust	100 mL/100 kg seed	Proleaf T can be used neat or diluted with water if required, to achieve optimum coverage of grain.  If using diluted, as a guide, use a minimum of 400 mL of mixture (ie Proleaf T plus water) with each 100kg seed. Do not use more than 600mL of mixture (Proleaf T + water) with each 100kg seed.
Oats	Covered and loose smut		
Barley	Covered and loose smut, Suppression of seedling infections of powdery mildew		Whatever solution is used it is essential that the correct application rate ie. 100mL or 150mL of Proleaf T is applied to 100kg seed.
	Suppression of seedling infections of leaf scald (not Queensland)		If using water, the mixture should be gently stirred regularly.
Wheat	Bunt, Flag smut (seed and soil borne), Loose smut. Suppression of seedling infections of stripe rust (not Queensland)	150 mL/100 kg seed	If nasal irritation occurs wear a face mask while treating seed. Use the 150 mL/100 kg seed rate where foliar diseases frequently occur and where any of the following are required:
	Suppression of seedling infections of speckled leaf blotch (not Qld and WA)		<ul style="list-style-type: none"> <li>- longer suppression of stripe rust on seedlings</li> <li>- control of seedling infections of powdery mildew</li> <li>- suppression of speckled leaf blotch in wheat</li> <li>- extended suppression of leaf scald in barley (and use higher rate on more susceptible varieties or where disease pressure is heavy)</li> </ul>
Barley	Covered and loose smut, Control of seedling infections of powdery mildew, Suppression of seedling infections of leaf scald (not Queensland)		
Wheat, Barley, Oats	Protection against insect pests of stored grains: Granary weevil, Lesser grain borer, Rice weevil, Rust-red flour beetle, Sawtoothed grain beetle	100 or 150 mL/100 kg seed	Both rates protect treated seed from grain insect pests. Use rate appropriate to disease control required.

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