



Company Name: MACROFERTIL AUSTRALIA PTY LTD
Product Name: MACRO PROTECT FLUTRIAFOL 250 FUNGICIDE
APVMA Approval No: 58520/108889

Label Name:	MACRO PROTECT FLUTRIAFOL 250 FUNGICIDE
Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	250 g/L FLUTRIAFOL
Mode of Action:	GROUP 3 FUNGICIDE
Statement of Claims:	For the control of certain fungal diseases on wheat, barley and canola when mixed with fertiliser or applied as a foliar spray as specified in the 'Directions for Use' Table.
Net Contents:	1000L 10L 1L 200L 5L
Directions for Use:	This section contains file attachment. File Name: DIRECTIONS FOR USE.pdf File Size: 67836 bytes
Withholding Periods:	A. Macro Protect Flutriafol 250 Applied In-Furrow as a fertiliser treatment: CANOLA, WHEAT and Barley: DO NOT GRAZE OR CUT FOR STOCK FOR 4 WEEKS AFTER SOWING. B. Macro Protect Flutriafol 250 Applied as a Foliar Spray DO NOT HARVEST EARLIER THAN THE NUMBER OF WEEKS SHOWN AFTER APPLICATION. BARLEY – 10 WEEKS WHEAT – 7 WEEKS

DO NOT GRAZE OR CUT FOR STOCK FOOD EARLIER THAN THE NUMBER OF WEEKS SHOWN AFTER APPLICATION.
BARLEY – 10 WEEKS
WHEAT – 7 WEEKS

General Instructions:

Fertiliser Application

Ensure that treated fertiliser is dry before sowing with the crop.

Sowing: Treated fertiliser should be sown in the same furrow as the seed, not broadcast. Note that the flow rate of fertiliser may be changed after treatment, and the seeder should be calibrated with the treated material to ensure that the corrected rates of fertiliser and fungicide are delivered. DO NOT mix seed with treated fertiliser.

Foliar Application:

Check the crop carefully and regularly. Spray only if there is sufficient time in the season for the rust to develop to a level on the variety in question when it will cause significant yield loss.

Resistance Warning:

Macro Protect Flutriafol 250 Fungicide is a member of the DMI group of fungicides. For fungicide resistance management Macro Protect Flutriafol 250 Fungicide is a Group 3 fungicide. Some naturally occurring individual fungi resistant to Macro Protect Flutriafol 250 Fungicide and other Group 3 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 Macro Protect Flutriafol 250 Fungicide 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, Macrofertil Australia Pty Ltd accepts no liability for any losses that may result from the failure of Macro Protect Flutriafol 250 Fungicide to control resistant fungi. Resistance should not be assumed without first reviewing the method of application, the coverage and the time of application.

Protections:

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT
DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

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 or preferable 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.

For Refillable Containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

Safety Directions:

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes. May irritate the nose and throat and skin. Avoid contact with eyes and skin. When opening the container, preparing the spray, wear cotton

overalls buttoned to the neck and wrist and a washable hat and elbow-length PVC gloves and face shield and goggles. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles and contaminated clothing.

First Aid Instructions:

FIRST AID

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

First Aid Warnings:

DIRECTIONS FOR USE

Crop	Disease	Rate Per Hectare	WHP (Days)	Critical Comments																							
Canola	Blackleg (<i>Leptosphaeria macularis</i>)	400 mL	4 Weeks grazing	<p>Treatment will reduce blackleg infection in both susceptible and tolerant canola varieties.</p> <p>Application: Spray undiluted product evenly onto granulated fertiliser and immediately mix thoroughly in a mechanical mixer or auger. Apply at a rate which will deposit 400 mL of the product on the quantity of fertiliser required to be sown in furrow per hectare, using the table below as guide.</p> <table border="1"> <thead> <tr> <th>Fertiliser Rate per Hectare</th> <th>Volume of Product per 100kg of Fertiliser (mL)</th> </tr> </thead> <tbody> <tr> <td>60</td> <td>667*</td> </tr> <tr> <td>70</td> <td>571</td> </tr> <tr> <td>80</td> <td>500</td> </tr> <tr> <td>100</td> <td>400</td> </tr> <tr> <td>120</td> <td>333</td> </tr> </tbody> </table>	Fertiliser Rate per Hectare	Volume of Product per 100kg of Fertiliser (mL)	60	667*	70	571	80	500	100	400	120	333											
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Wheat	Stripe Rust (<i>Puccinia Striiformis</i>)	200 or 400 mL		<p>For control of stripe rust of wheat and control of powdery mildew and scald of barley, use the high rate where conditions conducive to severe disease are expected.</p> <p>Application: Spray product evenly onto granulated fertiliser and immediately mix thoroughly in a mechanical mixer or auger. Apply at a rate which will deposit the specific rate of the product on the quantity of fertiliser required to be sown in furrow per hectare, using the table below as guide.</p> <table border="1"> <thead> <tr> <th rowspan="2">Fertiliser Rate per Hectare (kg)</th> <th colspan="2">Volume Product per 100kg of Fertiliser (mL)</th> </tr> <tr> <th>200mL rate</th> <th>400mL rate</th> </tr> </thead> <tbody> <tr> <td>50</td> <td>400</td> <td>800*</td> </tr> <tr> <td>60</td> <td>333</td> <td>667*</td> </tr> <tr> <td>70</td> <td>286</td> <td>571</td> </tr> <tr> <td>80</td> <td>250#</td> <td>500</td> </tr> <tr> <td>100</td> <td>200#</td> <td>400</td> </tr> <tr> <td>120</td> <td>167#</td> <td>333</td> </tr> </tbody> </table>	Fertiliser Rate per Hectare (kg)	Volume Product per 100kg of Fertiliser (mL)		200mL rate	400mL rate	50	400	800*	60	333	667*	70	286	571	80	250#	500	100	200#	400	120	167#	333
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	Septoria tritici blotch (<i>S. Intici</i>), Take – all (<i>Gaeumannomyces graminis</i>)	400 mL																									
Barley	Powdery mildew (<i>Erysiphe graminis</i>), Scald (<i>Rhynchosporium secalis</i>)	200 or 400 mL		<p>* Application volumes over 600 mL per 100 kg of fertiliser may adversely effect the flow rate and handling characteristics of dusty/ poorly granulated fertilizers.</p> <p># Where application volume is low, product may be diluted with water to improve coverage.</p>																							

A. Macro Protect Flutriafol 250 as a fertiliser treatment

B. Macro Protect Flutriafol 250 Applied as a Foliar Spray

Crop	Disease	Rate Per Hectare	WHP (Days)	Critical Comments
Wheat	Stripe rust (<i>Puccinia Striiformis</i>)	250 - 500 mL	7 Weeks harvest or grazing	<p>Apply when stripe rust appears and before disease reaches 1% of leaf area. The high rate of application gives a longer period of protection than the low rate. In crops with high yield potential and where conditions favourable to severe disease persist, use a single application at the higher rate, or two applications 3 – 4 weeks apart at the low rate.</p> <p>Apply after flag leaves have begun to emerge and before disease reaches 1% of flag leaf area. The high rate of application gives a longer period of protection than the low rate. In crops with high yield potential, and where conditions favourable to severe diseases persist during flowering, use a single application at the higher rate, or two applications 3 – 4 weeks apart at the low rate.</p>
		<p>Ground Application: Apply in 100 – 150 mL water plus 200 mL Macro Protect Wetter 1000 per 100 L of spray solution.</p> <p>Aerial Application: Apply in a minimum of 15L water plus 200 mL Macro Protect Wetter 1000 per 100 L of spray solution.</p>		
Barley	Leaf rust (<i>Puccinia striiformis</i>), Septoria nodorum blotch (<i>Septoria nodorum</i>), Septoria Tritici blotch (<i>S.tritici</i>)		10 weeks harvest or grazing	<p>Apply when powdery mildew first appears. The high rate of application gives a longer period of protection than the low rate. Where conditions favourable to severe disease persist, a single application at the higher rate, or two applications 3 – 4 weeks apart at the low rate.</p>
	Powdery mildew (<i>Erysiphe graminis</i>)			