

WARNING
KEEP OUT OF REACH OF CHILDREN



RADIAL[®]
FUNGICIDE

GROUP	3 + 11	FUNGICIDE
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**For the control of a wide range of diseases in wheat, barley
and ryegrass crops**

READ THE ATTACHED BOOKLET COMPLETELY BEFORE MIXING OR APPLYING

Active Ingredients:

Contains 75 g/L AZOXYSTROBIN and 75 g/L EPOXICONAZOLE in the
form of an emulsifiable concentrate

ADAMA New Zealand Limited
Level 1, 93 Bolt Road
Tahunanui, Nelson 7011
PO Box 1799, Nelson 7040
New Zealand
Telephone 03 543 8275
www.adama.com

NET CONTENTS

1 L, 2 L, 5 L,
10 L

REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.**HAZARD CLASSIFICATIONS: 3.1D, 6.1E, 6.3B, 6.4A, 6.5B, 6.7B, 6.8B, 6.9B, 9.1B, 9.3C****PCBU RESPONSIBILITIES**

A PCBU with management or control of work using this substance must ensure that every worker who uses, handles, manufactures, or stores this hazardous substance (including hazardous waste) is, before the worker is allowed to carry out or supervise work involving those substances, provided with adequate information, training and instruction. This includes the use of personal protective equipment to be used to minimise risks to the health and safety of workers when carrying out work using this substance.

WARNING**Combustible liquid.****May be harmful if swallowed.****Causes mild skin irritation.****Causes serious eye irritation.****May cause an allergic skin reaction.****Suspected of causing cancer.****Suspected of damaging fertility or the unborn child.****May cause damage to organs through prolonged or repeated exposure.****Toxic to aquatic life with long lasting effects.****Harmful to terrestrial vertebrates.****HANDLING PRECAUTIONS**

Keep out of reach of children.

Do not eat, drink or smoke while using.

Keep away from flames and hot surfaces.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe spray mist or vapours.

Use personal protective equipment as required.

Wash exposed skin thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

EQUIPMENT

A PCBU with management or control of work using this substance must ensure that equipment used to handle this substance retains the substance, without leakage, at all of the temperatures and pressures at which the equipment is to be used; and dispenses or applies the substance, without leakage, at a rate and in a manner that the equipment is designed for. The PCBU must ensure that the equipment is accompanied by documentation that is readily available and readily understandable about the use and maintenance of the equipment.

STORAGE

Store locked up in the original, tightly closed container in a cool, dry, well-ventilated place, out of direct sunlight and away from stockfeed, seeds, fertilisers or foodstuffs. In case of fire use carbon dioxide, dry chemical, water spray, water fog or foam for extinction.

Store in accordance with NZS 8409 Management of Agrichemicals. Secondary containment and emergency response plans are required where 1000 L or more of this product are stored. Refer to the product SDS for further information.

TRANSPORT

Do not carry greater than 1 L of this product on passenger service vehicles.

PERSONAL PROTECTION

When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, impervious, elbow-length gloves, and eye protection. Remove protective clothing and wash hands, arms and face with soap and water before meals and after work. Contaminated work clothing should not be allowed out of the workplace.

SPILLAGE

Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing as above to clean up spills. Absorb liquid spills with an inert material (such as vermiculite, earth, sand or synthetic absorbent substance) and place in waste containers. Wash area with water and alkaline detergent. Then absorb any remaining liquid with further inert material. Dispose of the waste safely in an approved landfill.

DISPOSAL

Container Disposal - Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an Agrecovery® depot for recycling. Alternatively, puncture and bury in a suitable landfill. Avoid contamination of any water supply with product or empty container.

Product Disposal - Dispose of this product only by using according to the label, or through the Agrecovery® Chemical Recovery service or other approved facility.

FIRST AID

If medical advice is needed, have product container or label at hand.

For advice or if you feel unwell or are exposed or concerned, contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor.

IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention. Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

CONDITIONS OF SALE

ADAMA New Zealand Limited will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than the responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by the Statutes applicable to the sale and supply of these goods. To the extent allowed by such Statutes the liability of ADAMA New Zealand Limited is limited to the replacement of the goods or (at the option of ADAMA New Zealand Limited) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to ADAMA New Zealand Limited within thirty days of delivery.



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Approved pursuant to the HSNO Act 1996, Approval No. HSR100719
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EMERGENCY RESPONSE
(All hours)
Ring from anywhere in New Zealand
0800 734 607

In a Transport
Emergency
Phone 111
Police or Fire

Batch Number:
Date of Manufacture:

Bar code to be inserted

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SAFETY DATA SHEET

A Safety Data Sheet for this product is available from ADAMA New Zealand Limited on request. Call 03 543 8275.

PRODUCT INFORMATION

RADIAL is a broad-spectrum fungicide. It contains a DMI fungicide for contact, protectant and eradicant activity and a strobilurin fungicide for systemic, translaminar, protectant and anti-sporulant activity. Thorough coverage of the crop is necessary for best results. RADIAL has curative activity against early stages of infection, but optimum results are obtained from application prior to the onset of infection.

RADIAL enhances green leaf area retention and will provide up to six weeks disease control in cereals. Applications made to cereal crops over the flag leaf to head emergence growth stages will provide significant green leaf area retention that can contribute to yield increases. RADIAL should not affect beneficial species including parasitic wasps, hover flies, lacewings and honeybees.

DIRECTIONS FOR USE

TAKE ALL REASONABLE STEPS TO ENSURE THAT THE SUBSTANCE DOES NOT CAUSE ANY SIGNIFICANT ADVERSE EFFECTS TO THE ENVIRONMENT BEYOND THE APPLICATION AREA.

Do not apply onto or into water.

It is an offence to use this product on animals.

USE WARNING

RADIAL is extremely phytotoxic to certain varieties of apple. RADIAL cannot be used in any manner that could result in spray drift reaching apple trees. Sprayers used for RADIAL applications cannot be used to spray apples nor cause drift onto apples even after normal decontamination procedures have been followed.

DO NOT use more than two applications of RADIAL and/or any other strobilurin fungicide per season.

CROP	DISEASE	RATE	CRITICAL COMMENTS
Barley	Leaf rust, net blotch (spot and net form), scald, powdery mildew	0.8-1.6 L/ha	Apply as a preventative spray on susceptible cultivars and when conditions favour disease. Otherwise apply at the first appearance of disease. Continued disease pressure or reinfection may require a further treatment 3-5 weeks later. Apply up to the end of flowering (Zadok GS 69). Apply the higher rate to powdery mildew.
Barley, wheat	Eyespot		Apply to at risk crops from mid-tillering through to flag leaf visible
Wheat	Leaf rust, powdery mildew, speckled leaf blotch, stripe rust		Apply as a preventative spray on susceptible cultivars and where conditions favour disease. Otherwise apply at the first appearance of disease. Continued disease pressure or reinfection may require a further treatment 3-5 weeks later. Apply up to the end of flowering (Zadok GS 69). Note: Application may be required early in the season at mid-tillering to control speckled leaf blotch.
	Glume blotch		For protection of the flag leaf apply as a preventive spray from flag leaf emergence; GS 39-55. For protection of the seed head apply after ear emergence; GS 57-69
	Ear disease complex		For protection of the ear application should be made to fully emerged ears up to the end of flowering (Zadok GS 69).
Ryegrass including turf species	Crown rust (leaf rust), stem rust	1.6 L/ha	Apply as a preventative spray on susceptible cultivars and where conditions favour disease. Continued disease pressure or reinfection may require a further treatment 2-4 weeks later. The treatment of ryegrass seed cultivars has not shown to have had any adverse effects on the endophyte levels in the harvested seed.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residues Levels for Agricultural Compounds.

WITHHOLDING PERIODS

Wheat and barley grain:	42 days
Wheat and barley green feed/silage:	Allow 28 days between last application and cutting or introduction of stock for grazing.
Ryegrass:	Allow 35 days between last application and introduction of stock for grazing.

MIXING

Half-fill the spray tank with clean water and start agitation. Shake the closed RADIAL container. Whilst filling the remainder of the spray tank add the required amount of RADIAL, adding any tank mix products last. Maintain agitation until spraying is complete. DO NOT leave the spray mix in the sprayer overnight.

COMPATIBILITY

RADIAL is compatible with most commonly used insecticides. Before using any tank mixture, consult and comply with the recommendations of the partner product. Each product should be added separately to the bulk of the water in the spray tank whilst filling and agitator working.

APPLICATION

Use at least 200 L/ha of water by ground. Use higher water volumes in dense or advanced crops. Use not less than 60 L/ha for aerial application. As there are many factors involved in aerial application, for optimum results, contact your local ADAMA New Zealand Limited representative for detailed information. Uniform coverage is essential for best results. Wetting agent additives are not normally required when using RADIAL.

RAINFALL

DO NOT apply if rainfall is likely within two hours of treatment.

RESISTANCE MANAGEMENT

RADIAL contains the GROUP 3 DeMethylation Inhibitor (DMI) fungicide epoxiconazole, and the GROUP 11 quinine outside inhibitor (QoI) fungicide azoxystrobin. To minimise the risk of resistance development do not use another product containing a fungicide in the same group in conjunction with RADIAL and use strictly in accordance with label directions. Some naturally occurring individual fungi resistant to RADIAL and other Group 3 and/or Group 11 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 product and other Group 3 and/or Group 11 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, ADAMA accepts no liability for any losses that may result from failure of RADIAL to control resistant fungi.

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