

**WARNING**  
**KEEP OUT OF REACH OF CHILDREN**



# **AURORA<sup>®</sup> FUNGICIDE**

GROUP	<b>3</b>	FUNGICIDE
-------	----------	-----------

**A systemic fungicide for the control of  
a wide range of leaf and stem diseases of wheat, barley, oats,  
ryegrass seed crops and turf grass and the treatment of prairie  
grass seed for head smut**

***READ THE ATTACHED BOOKLET COMPLETELY BEFORE MIXING OR APPLYING***

**Active Ingredient:**

Contains 250 g/L PROPICONAZOLE in the form of an emulsifiable concentrate

ADAMA New Zealand Limited  
Level 1, 93 Bolt Road  
Tahuanui, Nelson 7011  
PO Box 1799, Nelson 7040  
New Zealand  
Telephone 03 543 8275  
[www.adama.com](http://www.adama.com)

NET CONTENTS

**5 L, 10 L,  
20 L**

**REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.****HAZARD CLASSIFICATIONS: 6.1E, 6.9.B, 9.1A****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.

**QUALIFICATIONS REQUIRED FOR APPLICATION OF CLASS 9 SUBSTANCES**

Anyone who mixes, loads, or applies this product, either by air or ground based methods, is required to be suitably qualified, or must receive guidance and, if required, assistance from a suitably qualified person. *Refer to Schedule 10 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for a list of suitable qualifications.*

**RECORD KEEPING**

Where 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance. *Refer to Part 4 Clause 48 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for details of information that must be recorded.*

**WARNING**

**May be harmful if swallowed.**

**May cause damage to organs through prolonged or repeated exposure.**

**Very toxic to aquatic life.**

**HANDLING PRECAUTIONS**

Keep out of reach of children.

Do not eat, drink or smoke while using.

Do not breathe spray mist or vapours.

**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 in the original, tightly closed container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs.

Store in accordance with NZS 8409 Management of Agrichemicals. Secondary containment and emergency response plans are required where 100 L or more of this product are stored. Refer to the product SDS for further information.

**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.

**SPILLAGE**

Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing as in the personal protection section of this label to clean up spills. Absorb 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** – Ensure packaging is empty then crush 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, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.

## 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.



ADAMA

Registered to and distributed by:

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](http://www.adama.com)

Registered pursuant to the ACVM Act 1997, No. P7252

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR000596

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls

Aurora is a registered trademark of an ADAMA Group Company.



**AGRECOVERY**

### 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

**WARNING**  
**KEEP OUT OF REACH OF CHILDREN**



# **AURORA<sup>®</sup> FUNGICIDE**

GROUP	<b>3</b>	FUNGICIDE
-------	----------	-----------

**A systemic fungicide for the control of  
a wide range of leaf and stem diseases of wheat, barley, oats,  
ryegrass seed crops and turf grass and the treatment of prairie  
grass seed for head smut**

***READ THE ATTACHED BOOKLET COMPLETELY BEFORE MIXING OR APPLYING***

**Active Ingredient:**

Contains 250 g/L PROPICONAZOLE in the form of an emulsifiable concentrate

ADAMA New Zealand Limited  
Level 1, 93 Bolt Road  
Tahuanui, Nelson 7011  
PO Box 1799, Nelson 7040  
New Zealand  
Telephone 03 543 8275  
[www.adama.com](http://www.adama.com)

NET CONTENTS

**5 L, 10 L,  
20 L**

**REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.****HAZARD CLASSIFICATIONS: 6.1E, 6.9.B, 9.1A****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.

**QUALIFICATIONS REQUIRED FOR APPLICATION OF CLASS 9 SUBSTANCES**

Anyone who mixes, loads, or applies this product, either by air or ground based methods, is required to be suitably qualified, or must receive guidance and, if required, assistance from a suitably qualified person. *Refer to Schedule 10 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for a list of suitable qualifications.*

**RECORD KEEPING**

Where 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance. *Refer to Part 4 Clause 48 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for details of information that must be recorded.*

**WARNING**

**May be harmful if swallowed.**

**May cause damage to organs through prolonged or repeated exposure.**

**Very toxic to aquatic life.**

**HANDLING PRECAUTIONS**

Keep out of reach of children.

Do not eat, drink or smoke while using.

Do not breathe spray mist or vapours.

**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 in the original, tightly closed container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs.

Store in accordance with NZS 8409 Management of Agrichemicals. Secondary containment and emergency response plans are required where 100 L or more of this product are stored. Refer to the product SDS for further information.

**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.

**SPILLAGE**

Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing as in the personal protection section of this label to clean up spills. Absorb 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** – Ensure packaging is empty then crush 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, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.

**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**

AURORA FUNGICIDE is a systemic fungicide for control of various foliar diseases in cereals, ryegrass seed crops, prairie grass seed crops and turf.

AURORA FUNGICIDE is used as a protectant at first appearance of disease symptoms to prevent disease establishment on treated plant surfaces. It is absorbed by leaves and stems and translocated in an upward movement in the plant to provide some protection to new growth. Protectant activity will last from 2-4 weeks depending on disease incidence and severity. It has curative activity against early stage infection.

**IMPORTANT:** Seed treated with AURORA FUNGICIDE must NOT be used for human or animal consumption and containers of treated seed must be labelled accordingly. At the time of treatment, the seed must be dyed a distinctive colour.

**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.**

**It is an offence to use this product on animals.**

**Do not apply onto or into water.**

CROP	DISEASE	RATE/ha	CRITICAL COMMENTS
<b>Barley</b>	Leaf scald, net blotch, spot blotch, ovularia leaf spot	<b>Ground application</b> 500 mL/200 L water  <b>Aerial application</b> 500 mL in sufficient water to ensure >20 droplets/cm <sup>2</sup> on all leaves	Apply at first sign of disease. If weather conditions favour disease a further treatment may be necessary 3-4 weeks later.
	Leaf rust		Apply as a preventative spray at ear emergence on susceptible cultivars. On less susceptible cultivars, apply at first sign of disease.
<b>Oats</b>	Crown rust		Apply as a preventative spray at flag leaf emergence on susceptible cultivars. On less susceptible cultivars apply at first sign of the disease up to the completion of flowering.
<b>Wheat</b>	Glume blotch		Apply as a preventative spray at ear emergence on susceptible cultivars especially during cool, moist conditions which favour spread of this disease to the head. On less susceptible cultivars, apply at first sign of the disease.
	Leaf rust		Apply as a preventative spray at ear emergence on susceptible cultivars. On less susceptible cultivars apply at first sign of disease.

CROP	DISEASE	RATE/ha	CRITICAL COMMENTS
	Stripe rust, speckled leaf blotch		Apply as a preventative spray on susceptible cultivars, and at first sign of disease on less susceptible cultivars.
<b>Ryegrass seed crops</b>	Leaf rust, stem rust		For optimum control on susceptible cultivars apply as a preventative spray after closing up for seed. Repeat at 3-4 week intervals while disease pressure persists. For control on less susceptible cultivars apply at first sign of disease.
<b>Turf grass</b>	Apply in a minimum of 10 L of water/100 m <sup>2</sup> . Apply as a preventative spray before the signs of disease appear, when conditions are favourable for disease development. For maximum control of turf diseases, maintain the appropriate water and fertiliser requirements to minimise disease development. DO NOT mow within 24 hours of application, and delay application to after the morning dew has dried, to minimise the spread of diseases. Note: Some reduction in grass growth may occur. DO NOT apply to newly sown turf.		
	Dollar spot	20 mL/100 m <sup>2</sup>	Apply every 14-28 days.
	Brown patch	30 mL/100 m <sup>2</sup>	Apply every 10-21 days. Under conditions of high temperature and humidity, repeat application at the shorter interval.
	Red thread	30 mL/100 m <sup>2</sup>	Apply every 14-21 days.
	<i>Fusarium</i> patch	30 mL/100 m <sup>2</sup>	Make the first application in late autumn and repeat as necessary, ensuring no more than 3 applications per season.
<b>Prairie grass seed</b>	Head smut	60 mL/100 kg of dressed seed	Apply as a seed coat in sufficient water to ensure adequate coverage. At the time of treatment, the seed must be dyed a distinctive colour (see under Handling Precautions).

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

#### WITHHOLDING PERIODS

**Cereals (silage and grain crops):** 42 days  
**Ryegrass, Prairie grass seed crops:** 30 days  
**Turf:** DO NOT graze or feed clippings to livestock.

#### COMPATIBILITY

May be tank mixed with most commonly used agricultural chemicals including herbicides used on Cereals.

#### APPLICATION

Use conventional application equipment.

**Ground application:** Use a minimum of 200 L/ha.

**Aerial application:** Apply in sufficient water to ensure more than 20 droplets/cm<sup>2</sup> on all leaves. As there are many factors involved in actual application, contact a representative for detailed information.

#### RAINFALL

DO NOT apply if rain is likely to fall within 2 hours following treatment.

#### RESISTANCE

AURORA FUNGICIDE contains the Group 3 DMI (DeMethylation Inhibitor) fungicide propiconazole. Resistance to this fungicide and related products could develop from repeated use. To minimise this risk use strictly in accordance with label instructions. In cereals and turf, use a maximum of three DMI applications per crop, including seed treatment, at full recommended label rates. Refer to <https://resistance.nzpps.org/> for further resistance management advice. Since the occurrence of resistant fungi is difficult to detect prior to use, ADAMA New Zealand Ltd accepts no liability for losses that may result from the failure of this product to control resistant fungi.

### 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.



Registered to and distributed by:  
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](http://www.adama.com)

Registered pursuant to the ACVM Act 1997, No. P7252  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR000596  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls

Aurora is a registered trademark of an ADAMA Group Company.