

# WARNING

Keep out of reach of children



# ADAMA

# BOLIDE®

GROUP	<b>3</b>	FUNGICIDE
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***Contact and systemic fungicide for the control of diseases  
in wheat and barley crops***

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

### Active Ingredients:

Contains 50 g/L EPOXICONAZOLE and 225 g/L PROCHLORAZ in the  
form of an emulsifiable concentrate

UN No:	3082
DG Class:	9
Packing Group:	III
Proper Shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoiconazole + Prochloraz)
Marine Pollutant:	Yes
Batch number:	NET CONTENTS: 1 - 20 L
Date of Manufacture:	
<b>Barcode to be inserted</b>	

**REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.****WARNING**

Causes serious eye irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

**HANDLING PRECAUTIONS**

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe spray mist or vapours. Wash hands and exposed skin thoroughly after handling. Avoid unintended release into the environment. Collect spillages.

**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 ECOTOXIC 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 L 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.*

**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, unopened container in a cool, well ventilated, 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 greater than 100 L of this product are stored.

**SHELF LIFE**

When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

**PERSONAL PROTECTION**

When mixing or applying wear protective clothing such as impervious gloves, eye protection such as goggles with side-pieces or face shield, waterproof hat, coat, trousers and boots. Remove protective clothing and wash exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing daily after work.

**SPILLAGE**

Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing as mentioned in the personal protection section of this label to clean up spills. For minor spillage, absorb spills with an inert material (such as vermiculite, earth, sand or synthetic absorbent substance) and place in waste containers to avoid environmental contamination. In the event of major spillage, collect and contain as much free liquid as possible. Dike spills using absorbent or impervious materials such as sand or clay for later disposal. Dispose of according to local regulations.

**DISPOSAL**

**Container Disposal** - Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an Agrecovery® depot for recycling. Alternatively, burn in an appropriate incinerator if circumstances such as wind direction permit, or 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.

**Do not burn product or container.**

**SAFETY DATA SHEET**

A safety data sheet for this product is available at [www.adama.com](http://www.adama.com)

**FIRST AID**

For advice if you feel unwell or are exposed or concerned, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.

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

**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.



ADAMA

Registered to and distributed by:

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AGRECOVERY

**EMERGENCY RESPONSE**

(All hours)

Ring from anywhere in New Zealand

**0800 734 607**

In a Transport  
Emergency  
Phone 111  
Police or Fire

**PRODUCT INFORMATION**

BOLIDE is a broad spectrum contact and systemic fungicide with protectant and eradicant activity. BOLIDE is taken up via the stem and foliage and is translocated upwards and outwards to provide some protection to new growth. Thorough coverage of the crop is necessary for best results. BOLIDE has curative activity against early stages of infection. Optimum results, however, are obtained from application prior to the onset of infection.

**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.**

**EPA CONTROLS**

- A person must not apply this substance directly into or onto water.
- This product must only be applied by ground-based application methods.
- The maximum application rate is 2 L/ha, with a maximum of two applications per calendar year.

**This product must only be applied by ground-based application methods.  
It is an offence to use this product on animals.**

CROP	DISEASE	RATE	CRITICAL COMMENTS
<b>Barley Wheat</b>	Eyespot	2 L/ha	Apply to at risk crops from mid-tillering through to flag leaf just visible (Zadoks GS 37).
	Ear disease complex		Apply when the ear is fully emerged (Zadoks GS 58).
<b>Barley</b>	Glume blotch Leaf rust Powdery mildew Net blotch (spot and net forms) Ramularia leaf spot Scald		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 3-4 weeks later. Apply up to the end of flowering (Zadoks GS 69).
<b>Wheat</b>	Leaf rust Stripe rust Powdery mildew Speckled leaf blotch  Tan spot		Apply as a preventative spray from mid-tillering 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 3-4 weeks later. Apply up to the end of flowering (Zadoks GS 69).
	Glume blotch		Apply as a preventative spray from full flag leaf emergence (Zadoks GS 39). For continued protection of the ear a further treatment may be applied up to the end of flowering (Zadoks GS 69).

**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 PERIOD**

**Wheat and barley: Do not graze or feed treated wheat and barley grain crops within 42 days after application.**

## **APPLICATION**

Apply by ground based application equipment in a minimum of 150 L of water/ha.

## **MIXING**

Add the required amount directly into partly filled spray tank with agitation operating. Complete filling and maintain agitation until spraying is complete.

## **COMPATIBILITY**

BOLIDE is compatible with commonly used cereal fungicides and insecticides, including PHOENIX® FUNGICIDE.

## **RAINFALL**

DO NOT apply if rainfall is likely within 2 hours of treatment.

## **RESISTANCE MANAGEMENT**

BOLIDE contains the GROUP 3 DMI fungicides epoxiconazole and prochloraz. Resistance to BOLIDE and related DMI fungicides could develop from repeated use. Do not use another product containing a fungicide in the same group in conjunction with BOLIDE. Use strictly in accordance with label instructions. Do not apply more than three DMI treatments per season including seed treatment. Fungicides from different group codes should either be used alternately or mixed together to prevent the numbers of resistant individuals building up. For current advice on resistance management contact your agronomist, ADAMA representative or specialist advisor.

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