

**HARMFUL – KEEP OUT OF REACH OF CHILDREN. ECOTOXIC**

  
**ravensdown**

**FUNGICIDE**

**Fortify<sup>®</sup>**

A systemic fungicide for disease control in maize, cereal and ryegrass seed crops

**ACTIVE INGREDIENT:**

Contains 125g/litre epoxiconazole in the form of a suspension concentrate.



**Registrant: Ravensdown Ltd**

292 Main South Road  
Hornby, Christchurch 8042  
New Zealand  
Phone: 03 353 4600

[ravensdown.co.nz](http://ravensdown.co.nz)

BATCH:

D.O.M:

**NET CONTENTS  
10 Litres**

# ravensdown

## FORTIFY<sup>®</sup>

**READ LABEL CAREFULLY BEFORE USING  
SHAKE WELL BEFORE USE**

**This product must not be used for any purpose, or in any manner, contrary to the label unless authorised under appropriate legislation.**

### **HAZARD CLASSIFICATION: 6.7B, 6.8B, 6.9B, 9.1A**

**APPROVED HANDLER:** This product must be under the control of an approved handler when it is applied in a wide dispersive manner or used by a commercial contractor.

### **TOXICITY**

**WARNING - ECOTOXIC:** Very toxic to aquatic organisms. Avoid contamination of any water supply with chemical or empty container.

**Harmful** - May cause reproductive/developmental damage from repeated oral exposure. May cause organ damage from repeated oral exposure at high doses. Limited evidence of carcinogenic effects in animal feeding studies.

### **HANDLING PRECAUTIONS**

#### **STORAGE**

Keep out of reach of children. Store in accordance with NZS 8409 Management of Agrichemicals. Store in original container tightly closed in a locked, dry, cool area, well ventilated away from foodstuffs, fertilisers and seeds. Stores containing 100L of FORTIFY are subject to signage. More than 100L require emergency response plans and secondary containment.

#### **PERSONAL PROTECTION**

Avoid contact with skin, eyes and inhalation of spray mist. When handling, wear protective clothing such as overalls, gloves, boots and eye protection. Wash splashes of concentrate from skin and eyes immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work. Do not eat, drink or smoke while using.

#### **EQUIPMENT**

Apply using well maintained and accurately calibrated equipment. Flush equipment thoroughly with clean water after use.

#### **RECORD KEEPING**

Records of use as described in NZS 8409 Management of Agrichemicals must be kept.

#### **DISPOSAL**

Triple rinse container and add rinsate to spray tank. Triple rinsed containers containing the Agrecovery logo on the label and that are free of all residues and have an intact legible label may be taken to an Agrecovery collection site for disposal. Otherwise crush or puncture and bury in an approved landfill. Do not burn container. Do not use container for any other purpose. Dispose of product only by using according to label or dispose of safely at a managed landfill.

### **FIRST AID**

If swallowed, DO NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or call a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water. If inhaled, move the patient to fresh air immediately. Begin artificial respiration if breathing has stopped.

### **SPILLAGE**

In case of spillage, wear appropriate protective clothing and prevent material from entering waterways. Exclude non-essential people from the area. Contain liquid spills and absorb with inert material such as soil or sand etc. and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

### **EMERGENCY RESPONSE**

In transport emergency call 111, Police or Fire Brigade. For 24hr specialist advice in an emergency only call **0800 CHEMICAL (0800 243 622)**.

### **SAFETY DATA SHEET**

If additional safety information is required, refer to the Safety Data Sheet. For a copy, contact the customer centre on 0800 100 123.

### **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.

### **RESISTANCE MANAGEMENT**

Fortify contains epoxiconazole, a **GROUP 3 FUNGICIDE** from the triazole group with the DMI (demethylation inhibitor) mode of action. Resistance to this fungicide and related GROUP 3 fungicides could develop from repeated use. To minimise this risk use strictly in accordance with label instructions and resistance management strategies that exist for any fungus listed on this label. Consult [www.resistance.nzpps.org/](http://www.resistance.nzpps.org/) for alternative modes of action and resistance management strategies (if any) for crops listed on the label. Avoid using this fungicide exclusively all season. In cereals and ryegrass apply a maximum of three GROUP 3 fungicides per crop, including seed treatment at full recommended rates.

Registered Pursuant to the ACVM Act 1997 P8309.

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

Approved pursuant to the HSNO Act 1996, Code: HSRO07953

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

Agrecovery is available on plastic containers up to 60L and for plastic or steel large drums from 61L - 1000L.

**PHONE 0800 100 123**



**AGRECOVERY**

[www.agrecovery.co.nz](http://www.agrecovery.co.nz)

PEEL HERE

## GENERAL INSTRUCTIONS

FORTIFY is a contact and systemic DMI fungicide with eradicant and protectant activity against a broad spectrum of diseases in cereals and ryegrass seed crops. FORTIFY is best used as a preventative, or applied at the first sign of disease symptoms. FORTIFY is taken up by the leaves and stems of treated plants and is translocated upwards and outwards to provide some protection of new growth. Best results will be achieved with good coverage of the treated crop. Activity will last from 2-5 weeks depending on the crop, conditions, disease incidence and severity.

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

### MIXING

Add the required quantity of FORTIFY to spray tank partly filled with water and maintain gentle agitation through filling and spraying.

### APPLICATION

Ground Application: Use a minimum of 150L of water per hectare.

Aerial Application: Use a minimum of 60L of water per hectare.

Use higher water rates in dense or advanced crops especially under dry weather conditions.

### RAINFALL

Do not spray if rain is expected within 2 hours of spraying.

### COMPATIBILITY

Can be tank mixed with most commonly used fungicides, herbicides and insecticides. Observe the directions for use on the label of mixture partners before applying.

## DIRECTIONS FOR USE

**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.**

Crop	Disease	Rate per hectare	Critical Comments
Barley & Wheat	Eyespot	1L in a minimum 150L of water	Apply to at risk crops from mid-tillering to flag leaf visible.
Barley	Leaf Rust, Leaf Scald, Net Blotch (spot & net forms), Powdery Mildew	1L in a minimum 150L of water	Apply as a preventative on susceptible cultivars, where conditions favour disease, or at the first sign of disease. If conditions favour disease or reinfection, a further application may be required after 3-5 weeks. Apply any time up to the end of flowering (Zadoks GS69).
Wheat	Stripe Rust, Speckled Leaf Blotch, Powdery Mildew, Leaf Rust	1L in a minimum 150L of water	Apply as a preventative on susceptible cultivars, where conditions favour disease, or at the first sign of disease. If conditions favour disease or reinfection, a further application may be required after 3-5 weeks. Apply any time up to the end of flowering (Zadoks GS69).
	Glume Blotch		Apply as a preventative around flag leaf emergence. For continued protection of the ear, a further treatment may be applied up to the end of flowering.
	Ear Disease Complex		For protection of the ear, apply from full ear emergence up to the end of flowering (Zadoks GS69).
Ryegrass Seed Crops	Crown Rust, Stem Rust	1L in a minimum 150L of water	For best control on susceptible cultivars apply as a preventative spray. If conditions favour disease or reinfection, a further application may be required after 2-4 weeks.
Maize	Common Rust	1L in a minimum 150L of water	Apply as a preventative spray on susceptible cultivars when conditions favour disease, otherwise, and on more tolerant cultivars, apply at the first appearance of disease. Continued disease pressure or re-infection may require a further treatment 14-21 days after. Do NOT apply later than the tasseling stage. DO NOT apply more than 2 applications per season.

## WITHHOLDING PERIODS

**Wheat and barley grain -** Do not harvest within 42 days of application.

**Cereal silage/green feed -** Allow 28 days between the last application and cutting or introduction of stock for grazing.

**Ryegrass seed crops -** Do not harvest ryegrass seed crops for 21 days, do not graze or feed treated ryegrass seed crops for 35 days after the last application.

**Maize grain -** Do not harvest within 42 days of application.

**Maize silage/green feed -** Do not cut within 28 days since last application.

## WARRANTY AND LIMITATION

**IMPORTANT:** Read this notice before opening the container.

The registrant warrants that when packed the active ingredient of this product is as specified on this label within accepted analytical tolerances. The registrant gives only those other warranties that are required by law in relation to this product and limits its liability to the cost paid by the claimant for the product. The registrant declines all liability for damage resulting from the handling, storage or use of this product. The user bears the risk from the handling, storage or use of this product. The registrant is not liable for any use of this product which is contrary to the label directions given or any Act or Regulation.

# ravensdown

## FORTIFY<sup>®</sup>

**READ LABEL CAREFULLY BEFORE USING  
SHAKE WELL BEFORE USE**

**This product must not be used for any purpose, or in any manner, contrary to the label unless authorised under appropriate legislation.**

### **HAZARD CLASSIFICATION: 6.7B, 6.8B, 6.9B, 9.1A**

**APPROVED HANDLER:** This product must be under the control of an approved handler when it is applied in a wide dispersive manner or used by a commercial contractor.

### **TOXICITY**

**WARNING - ECOTOXIC:** Very toxic to aquatic organisms. Avoid contamination of any water supply with chemical or empty container.

**Harmful** - May cause reproductive/developmental damage from repeated oral exposure. May cause organ damage from repeated oral exposure at high doses. Limited evidence of carcinogenic effects in animal feeding studies.

### **HANDLING PRECAUTIONS**

#### **STORAGE**

Keep out of reach of children. Store in accordance with NZS 8409 Management of Agrichemicals. Store in original container tightly closed in a locked, dry, cool area, well ventilated away from foodstuffs, fertilisers and seeds. Stores containing 100L of FORTIFY are subject to signage. More than 100L require emergency response plans and secondary containment.

#### **PERSONAL PROTECTION**

Avoid contact with skin, eyes and inhalation of spray mist. When handling, wear protective clothing such as overalls, gloves, boots and eye protection. Wash splashes of concentrate from skin and eyes immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work. Do not eat, drink or smoke while using.

#### **EQUIPMENT**

Apply using well maintained and accurately calibrated equipment. Flush equipment thoroughly with clean water after use.

#### **RECORD KEEPING**

Records of use as described in NZS 8409 Management of Agrichemicals must be kept.

#### **DISPOSAL**

Triple rinse container and add rinsate to spray tank. Triple rinsed containers containing the Agrecovery logo on the label and that are free of all residues and have an intact legible label may be taken to an Agrecovery collection site for disposal. Otherwise crush or puncture and bury in an approved landfill. Do not burn container. Do not use container for any other purpose. Dispose of product only by using according to label or dispose of safely at a managed landfill.

### **FIRST AID**

If swallowed, DO NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or call a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water. If inhaled, move the patient to fresh air immediately. Begin artificial respiration if breathing has stopped.

### **SPILLAGE**

In case of spillage, wear appropriate protective clothing and prevent material from entering waterways. Exclude non-essential people from the area. Contain liquid spills and absorb with inert material such as soil or sand etc. and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

### **EMERGENCY RESPONSE**

In transport emergency call 111, Police or Fire Brigade. For 24hr specialist advice in an emergency only call **0800 CHEMCALL (0800 243 622)**.

### **SAFETY DATA SHEET**

If additional safety information is required, refer to the Safety Data Sheet. For a copy, contact the customer centre on 0800 100 123.

### **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.

### **RESISTANCE MANAGEMENT**

Fortify contains epoxiconazole, a **GROUP 3 FUNGICIDE** from the triazole group with the DMI (demethylation inhibitor) mode of action. Resistance to this fungicide and related GROUP 3 fungicides could develop from repeated use. To minimise this risk use strictly in accordance with label instructions and resistance management strategies that exist for any fungus listed on this label. Consult [www.resistance.nzpps.org/](http://www.resistance.nzpps.org/) for alternative modes of action and resistance management strategies (if any) for crops listed on the label. Avoid using this fungicide exclusively all season. In cereals and ryegrass apply a maximum of three GROUP 3 fungicides per crop, including seed treatment at full recommended rates.

Registered Pursuant to the ACVM Act 1997 P8309.

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

Approved pursuant to the HSNO Act 1996, Code: HSRO07953

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

Agrecovery is available on plastic containers up to 60L and for plastic or steel large drums from 61L - 1000L.

**PHONE 0800 100 123**



**AGRECOVERY**

[www.agrecovery.co.nz](http://www.agrecovery.co.nz)