



# POISON

**KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING**



**ACTIVE CONSTITUENT:**  
500 g/L FLUTRIAFOL

**CONTENTS:**  
10 L, 110 L,  
200 L, 1000 L

**GROUP 3 FUNGICIDE**



For the control of certain fungal diseases on wheat, barley and canola as per the Directions for Use Table.

### SAFETY DIRECTIONS

Harmful if swallowed. Harmful if absorbed by skin contact. May irritate the skin. Will irritate the eyes. Avoid contact with eyes and skin. When opening the container, mixing and loading, and preparing the product for use wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow-length chemical resistant gloves. If product in eyes, wash it out immediately with water. Wash hands after use after each day's use, wash gloves and contaminated clothing.

### FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

### SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet that can be obtained from [www.fmccrop.com.au](http://www.fmccrop.com.au)

## GENERAL INSTRUCTIONS

### FUNGICIDE RESISTANCE WARNING

**GROUP 3 FUNGICIDE**

Impact® Endure In-Furrow and Foliar Fungicide is a member of the DMI group of fungicides. For fungicide resistance management Impact® Endure In-Furrow and Foliar Fungicide is a Group 3 fungicide. Some naturally occurring individual fungi resistant to Impact® Endure In-Furrow and Foliar Fungicide and other Group 3 fungicides may exist through normal genetic variability in any fungal population.

The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by Impact® Endure In-Furrow and Foliar Fungicide or 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, FMC accepts no liability for any losses that may result from the failure of Impact® Endure In-Furrow and Foliar Fungicide to control resistant fungi. Resistance should not be assumed without first reviewing the method of application, the coverage and the timing of application.

### APPLICATION

#### GRANULAR FERTILISER 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 rate of product specified in the **DIRECTIONS FOR USE TABLE** on the quantity of fertiliser required to be sown in-furrow per hectare, using the table below as a guide.

Fertiliser rate (kg/ha)	Volume of product per 100 kg of fertiliser (mL/100 kg)*			
	100 mL rate	200 mL rate	300 mL rate	400 mL rate
50	200	400	600	800
60	167	333	500	666
70	143	286	429	572
80	125	250	375	500
100	100	200	300	400
120	84	167	250	333

\*Where application volume is below 250 mL per 100 kg of fertiliser, product may be diluted with water to improve coverage. 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 correct rates of fertiliser and fungicide are delivered. **DO NOT** mix seed with treated fertiliser.

### APPLICATION WITH LIQUID FERTILISER (UREA / AMMONIUM NITRATE SOLUTIONS)

#### For Wheat and Barley Only:

Accurately calibrate the direct injection system to determine the correct flow rate.

It is recommended to premix Impact® Endure with water in a suitable mixing tank at a ratio to match the required flow rate of the direct injection system and the rate of the Impact® Endure required (100 to 400 mL product for wheat and 100 to 200 mL product for barley) per hectare.

Add the premix to the liquid fertiliser and thoroughly mix. Apply as soon as possible. Inject the mixture 3-4 cm below or to the side of the seed.

Use the table below as a guide to determine the liquid fertiliser rate and Impact® Endure rate required.

Liquid fertiliser rate* (L/ha)	Volume of product per 100 L of fertiliser (mL/100 L)			
	100 mL rate	200 mL rate	300 mL rate	400 mL rate
75	133	267	400	533
100	100	200	300	400
125	80	160	240	320
150	67	133	200	267
175	57	114	171	229
200	50	100	150	200

\*The rate of liquid fertiliser may include a proportion of water.

### APPLICATION AS DIRECTION INJECTION WITHOUT FERTILISER

#### For Wheat and Barley Only:

Accurately calibrate the direct injection system to determine the correct flow rate. It is recommended to mix Impact® Endure with water in a suitable mixing tank at a ratio to match the required flow rate of the direct injection system and the rate of the Impact® Endure required (100 to 400 mL product for wheat and 100 to 200 mL product for barley) per hectare.

Inject the mix 3-4cm below or to the side of the seed.

### 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.

**Aerial Application:** Aerial application **MUST BE** carried out with closed mixing / loading.

### RE-ENTRY

**DO NOT** enter treated areas until the spray has dried for low exposure activities (such as irrigation, scouting, thinning, weeding immature / low foliage plants), unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

**DO NOT** enter treated areas for 3 days for medium exposure activities (such as weeding mature/high foliage plants unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

**DO NOT** enter treated areas for 8 days for high exposure activities (such as hand harvesting), unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

### PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

**DO NOT** contaminate streams, rivers or waterways with the chemical or used containers.

### 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-rinse containers before disposal. Add rinsings to 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 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.

## DIRECTIONS FOR USE

### A. IMPACT® ENDURE APPLIED IN-FURROW

CROP	DISEASE	RATE/HA	WHP	CRITICAL COMMENTS
Barley	Powdery mildew ( <i>Erysiphe graminis</i> )  Scald ( <i>Rhynchosporium secalis</i> )	100 to 200 mL	4 weeks Grazing	See <b>APPLICATION</b> section for directions on application to granular fertiliser, with liquid fertiliser or direct injection.  <b>Barley:</b>  Where the barley variety may be susceptible to Powdery mildew or Scald and depending on paddock history, a decision should be made to determine the most suitable rate of application. When conditions conducive to severe Powdery mildew/Scald are expected, use the higher rate.  <b>Wheat:</b>  Where the wheat variety may be susceptible to Stripe rust and depending on paddock history, a decision should be made to determine the most suitable rate of application.  Use rates of 100 to 200 mL/ha where up to 105 days protection of Stripe rust is required.  When conditions conducive to severe stripe rust are expected, use the higher rate. These application rates will provide control of Stripe rust for up to 145 days after sowing.
Wheat	Stripe rust ( <i>Puccinia striiformis</i> )  Septoria tritici blotch ( <i>S. tritici</i> )  Take-all ( <i>Geaumannomyces graminis</i> )	100 to 400 mL  200 mL		
Canola	Blackleg ( <i>Leptosphaeria maculans</i> )	200 mL	4 weeks Grazing	See <b>APPLICATION</b> section for directions on application to granular fertiliser.  Treatment will reduce blackleg infection in both susceptible and tolerant Canola varieties.

### B. IMPACT® ENDURE APPLIED AS A FOLIAR SPRAY

CROP	DISEASE	RATE/HA	WHP	CRITICAL COMMENTS
Barley	Powdery mildew ( <i>Erysiphe graminis</i> )	125 – 250 mL  <b>Ground Application</b>  Apply in 100 - 150 L water plus 200 mL of	10 weeks Harvest or Grazing	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, may be required.
Wheat	Stripe rust ( <i>Puccinia striiformis</i> )  Leaf rust ( <i>P. recondita</i> )  Septoria Nodorum blotch ( <i>Septoria nodorum</i> )  Septoria tritici blotch ( <i>S. tritici</i> )	1000 g/L agricultural wetting agent per 100 L of spray solution.	7 weeks Harvest or Grazing	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.  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 disease persist during flowering, use a single application at the higher rate, or two applications 3 - 4 weeks apart at the low rate.

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

## WITHHOLDING PERIODS

### A. APPLIED IN-FURROW AS A FERTILISER TREATMENT

CANOLA, WHEAT AND BARLEY - **DO NOT** GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER SOWING.

### B. 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

## NOTICE TO BUYER

To the extent permitted by the Competition and Consumer Act (2010) or any relevant legislation of any State or Territory (the "Legislation") all conditions and warranties and statutory or other rights of action, whether arising in contract or tort or whether due to the negligence of FMC or Seller, which buyer or any other user may have against FMC or Seller are hereby excluded provided however that any rights of the buyer pursuant to non-excludable conditions or warranties of the Legislation are expressly preserved. FMC hereby gives notice to buyer and other users that to the extent permitted by the Legislation it will not accept responsibility for any indirect or consequential loss of whatsoever nature arising from the storage, handling or use of this product. Where permitted by the Legislation FMC's liability shall in all circumstances be limited to the replacement of the product, or a refund of the purchase price paid therefor.

The product must be used and applied strictly in accordance with the label instructions and other directions for use. It is impossible to eliminate all risks associated with the use of this product. Such risks may arise from factors such as weather conditions, soil factors, off target movement, unconventional technique, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of FMC or the Seller. Buyer accepts these risks.

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**SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 111**

**ALL HOURS – AUSTRALIA WIDE**

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**Additional statements required by Globally Harmonised Systems for classification and labelling of chemicals (GHS) and Safe Work Australia: Harmful if swallowed. Toxic to aquatic life with long lasting effects.**

Wash skin thoroughly after handling. DO NOT eat, drink or smoke when using this product.

IF SWALLOWED: call a POISON CENTRE (Phone Australia 13 11 26)/doctor if you feel unwell. Rinse mouth

Collect spillage. STORAGE: Store in a well-ventilated place. Keep container tightly closed. Keep cool. Dispose of contents and containers as specified on the registered label.