

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

impact[®]

IN-FURROW AND FOLIAR FUNGICIDE

ACTIVE CONSTITUENT: 250g/L FLUTRIAFOL

GROUP **C** FUNGICIDE

For control of certain fungal diseases on wheat, barley and canola when mixed with fertiliser or applied as a foliar spray as per the directions for use table.



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Trademark of  CHEMINOVA A/S Denmark

Contents 10L



GENERAL INSTRUCTIONS

Fertiliser Application

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.

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.

FUNGICIDE RESISTANCE WARNING

GROUP	C	FUNGICIDE
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Impact In-Furrow and Foliar Fungicide is a member of the DMI group of fungicides. For fungicide resistance management Impact In-Furrow and Foliar Fungicide is a Group C fungicide. Some naturally occurring individual fungi resistant to Impact In-Furrow and Foliar Fungicide and other Group C 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 In-Furrow and Foliar Fungicide or other Group C 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, Ospray Pty Ltd accepts no liability for any losses that may result from the failure of Impact 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.

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 or preferably pressure 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes. May irritate the nose and throat and skin. Avoid contact with eyes and skin. Avoid inhaling spray mist. When opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length PVC gloves and face shield or goggles. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and face shield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131126.

MSDS

Additional information is listed in the Material Safety Data Sheet.

EXCLUSION OF LIABILITY

Ospray Pty Ltd has no control over storage, handling and manner of use of this product. When this material is not stored, handled or used correctly in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. Ospray Pty Ltd accepts no responsibility for any loss arising from incorrect storage, handling or use.

In a Transport Emergency Dial 000 Police or Fire Brigade

APVMA Approval No.: 49781/10L/0207

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DIRECTIONS FOR USE:

A. IMPACT APPLIED IN-FURROW AS A FERTILISER TREATMENT

Crop	Disease	Rate per hectare	WHP	Critical Comments														
Canola	Blackleg (<i>Leptosphaeria maculans</i>)	400 mL	4 weeks Grazing	Treatment will reduce blackleg infection in both susceptible and tolerant canola varieties. Application: Spray undiluted product evenly onto granulated fertiliser and immediately mix thoroughly in a mechanical mixer or auger. Apply at a rate which will deposit 400 mL of the product on the quantity of fertiliser required to be sown in furrow per hectare, using the table below as a guide. <table border="1"> <thead> <tr> <th>Fertiliser rate per hectare (kg)</th> <th>Volume of product per 100kg of fertiliser (mL)</th> </tr> </thead> <tbody> <tr><td>60</td><td>667 mL*</td></tr> <tr><td>70</td><td>571 mL</td></tr> <tr><td>80</td><td>500 mL</td></tr> <tr><td>100</td><td>400 mL</td></tr> <tr><td>120</td><td>333 mL</td></tr> </tbody> </table>	Fertiliser rate per hectare (kg)	Volume of product per 100kg of fertiliser (mL)	60	667 mL*	70	571 mL	80	500 mL	100	400 mL	120	333 mL		
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Wheat	Stripe rust (<i>Puccinia striiformis</i>)	200 or 400 mL	4 weeks Grazing	For control of stripe rust of wheat and control of powdery mildew and scald of barley, use the high rate where conditions conducive to severe disease are expected. 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 specific rate of the product on the quantity of fertiliser required to be sown in-furrow per hectare, using the table below as a guide <table border="1"> <thead> <tr> <th>Fertiliser rate per hectare (kg)</th> <th>Volume of product per 100kg of fertiliser (mL)</th> </tr> </thead> <tbody> <tr><td>50</td><td>200 mL rate</td></tr> <tr><td>60</td><td>400 mL</td></tr> <tr><td>70</td><td>333 mL</td></tr> <tr><td>80</td><td>286 mL</td></tr> <tr><td>100</td><td>250 mL†</td></tr> <tr><td>120</td><td>200 mL†</td></tr> </tbody> </table>	Fertiliser rate per hectare (kg)	Volume of product per 100kg of fertiliser (mL)	50	200 mL rate	60	400 mL	70	333 mL	80	286 mL	100	250 mL†	120	200 mL†
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Barley	Powdery mildew (<i>Erysiphe graminis</i>) Scald (<i>Rhynchosporium secalis</i>)	200 or 400 mL		<table border="1"> <thead> <tr> <th>Fertiliser rate per hectare (kg)</th> <th>Volume of product per 100kg of fertiliser (mL)</th> </tr> </thead> <tbody> <tr><td>50</td><td>400 mL</td></tr> <tr><td>60</td><td>333 mL</td></tr> <tr><td>70</td><td>286 mL</td></tr> <tr><td>80</td><td>250 mL†</td></tr> <tr><td>100</td><td>200 mL†</td></tr> <tr><td>120</td><td>167 mL†</td></tr> </tbody> </table>	Fertiliser rate per hectare (kg)	Volume of product per 100kg of fertiliser (mL)	50	400 mL	60	333 mL	70	286 mL	80	250 mL†	100	200 mL†	120	167 mL†
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* Application volumes over 600 mL per 100 kg of fertiliser may adversely effect the flow rate and handling characteristics of dusty/poorly granulated fertilisers and some high nitrate fertilisers.
 † Where application volume is low, product may be diluted with water to improve coverage.

B. IMPACT APPLIED AS A FOLIAR SPRAY

Crop	Disease	Rate per hectare	WHP	Critical Comments
Wheat	Stripe rust (<i>Puccinia striiformis</i>)	250 mL - 500 mL Ground Application Apply in 100 - 150 L water plus 200 mL 'BS 1000' 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.
	Leaf rust (<i>P. recondita</i>) Septoria nodorum blotch (<i>Septoria nodorum</i>) Septoria tritici blotch (<i>S. tritici</i>)	Aerial Application Apply in a minimum of 15 L water plus 200 mL 'BS 1000' per 100 L of spray solution		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.
Barley	Powdery mildew (<i>Erysiphe graminis</i>)	200 mL 'BS 1000' per 100 L of spray solution	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.

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