

POISON

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

impact[®] topguard

FUNGICIDE

ACTIVE CONSTITUENTS: 225 g/L TEBUCONAZOLE
75 g/L FLUTRIAFOL

GROUP 3 FUNGICIDE

For control of certain fungal diseases on wheat and barley when applied as a foliar spray as specified in the Directions for Use table.



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Contents 10L

DIRECTIONS FOR USE:

Crop	Disease	Rate per hectare	WHP	Critical Comments
Wheat	Stripe rust (<i>Puccinia striiformis</i>)	200 or 400 mL/ha plus 100 mL/100L of Ospray Wetter 1000, or 1L/100L D-C-Trate	Harvest 7 weeks Grazing 2 weeks	DO NOT apply to wheat prior to 1st node (Z31) on crops that have been treated with flutriafol at planting. Apply as a foliar spray when stripe rust appears and before disease reaches 1% of leaf area. Use the higher rate for a longer period of protection where conditions favourable to severe disease persist 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>)	Ground Application Apply in 50 – 100 L water/hawater/ha Aerial application: Apply in at least 10 L water/ha		Apply as a foliar spray after flag leaves have begun to emerge and before disease reaches 1% of flag leaf area. Use the higher rate for a longer period of protection where conditions favourable to severe disease persist or two applications 3-4 weeks apart at the low rate.
Barley	Powdery mildew (<i>Erysiphe graminis</i>)		10 weeks Harvest or Grazing	Apply as a foliar spray when powdery mildew first appears. 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.

WITHOLDING PERIODS

Wheat:

DO NOT HARVEST FOR 7 WEEKS AFTER APPLICATION.

DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 2 WEEKS AFTER APPLICATION.

Barley:

DO NOT HARVEST FOR 10 WEEKS AFTER APPLICATION.

DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 10 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

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.

Foliar diseases on cereal crops

Do not apply to cereal crops more than once per season at the high rate. Treatment will give approximately three weeks disease suppression. Economic responses may not be gained by spraying crops past flowering stage. The effects of fungicide application will not be clearly seen for 7 to 10 days after application.

Spray timings for stripe rust control

Obtain advisory literature from Department of Agriculture for classification of resistant and susceptible varieties. The following spray program is suggested:

Seedling infections: When approximately 20 out of 100 leaves show first signs of infection during tillering to jointing, apply a spray within one week.

Adult infections - susceptible varieties:

When approximately 10 out of 100 leaves show first sign of infection, apply a spray within one week. Do not delay.

Adult infections - moderately susceptible varieties:

When approximately 15 to 20 leaves out of 100 leaves show first sign of infection, apply a spray within one week. Do not delay.

Adult infections - moderately resistant and resistant varieties:

Monitor carefully. If rust appears and spreads, spray within one week.

APPLICATION

Aircraft should fly as low as possible under the prevailing conditions to minimise drift.

FUNGICIDE RESISTANCE WARNING

GROUP	3	FUNGICIDE
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Impact Topguard Fungicide is a member of the DMI group of fungicides. For fungicide resistance management Impact Topguard Fungicide is a Group 3 fungicide. Some naturally occurring individual fungi resistant to Impact Topguard 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 Topguard 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, Ospray Pty Ltd accepts no liability for any losses that may result from the failure of Impact Topguard Fungicide to control resistant fungi. Resistance should not be assumed without first reviewing the method of application, the coverage and the timing of application.

Re-Entry: DO NOT allow entry into treated areas until the spray has dried, unless wearing wear 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 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 deliver empty packaging to an approved waste management facility. If an approved waste management is not available bury the empty packaging 500mm 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.

SAFETY DIRECTIONS

Harmful if inhaled. May irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale vapour or spray mist. When opening the container, mixing and loading, wear cotton overalls, over normal clothing, buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves and a half facepiece respirator. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing)

and elbow-length chemical resistant gloves. After each day's use wash gloves, respirator and if rubber wash with detergent and warm water, and contaminated clothing.

FIRST AID

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

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet available from the supplier.

MANUFACTURERS WARRANTY AND 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.

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