

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

QUANTUM

Epoxiconazole 125 SC

FUNGICIDE

ACTIVE CONSTITUENT: 125 g/L EPOXICONAZOLE

GROUP **3** FUNGICIDE

For the control of leaf rust, stripe rust and septoria nodorum blotch of wheat and leaf rust of barley, as specified in the Directions For Use table.

APVMA Approval No.: 94897/151454

SC Formulation Type
Suspension
Concentrate

**BE PROUDLY
AUSTRALIAN**

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 **QUANTUM
AGROSCIENCES**

DIRECTIONS FOR USE

SPRAY DRIFT RESTRAINTS:

Specific definitions for terms used in this section of the label can be found at www.apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone table below provides guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by aircraft unless the following requirements are met:

For maximum release height above the target canopy of 3 m or 25 per cent of wingspan or 25 per cent of rotor diameter, whichever is the greatest, minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section) are observed.

Buffer zones for aircraft Application rate	Mandatory downwind buffer zones (metres)
	Natural aquatic areas
Up to maximum label rate	30

CROP	DISEASE	RATE per ha	CRITICAL COMMENTS
Wheat	Leaf rust (<i>Puccinia recondita</i>), Stripe rust (<i>Puccinia striiformis</i>)	500 mL plus 200 mL non-ionic surfactant per 100 L spray-mix	Apply when conditions favour disease development and preferably prior to development of high levels of disease in the crop. Aim to apply between stem elongation and ear emergence complete (ZGS 32-59). DO NOT apply later than ZGS 59. Repeat spraying may be required for stripe rust. Regularly monitor the crop from 3-4 weeks after spraying for signs of re- infection and treat accordingly.
	Septoria nodorum blotch (<i>Septoria nodorum</i>)		
Barley	Leaf rust (<i>Puccinia hordei</i>)	250 to 500 mL plus 200 mL non-ionic surfactant per 100 L spray-mix	Apply when conditions favour disease development and preferably prior to development of high levels of disease in the crop. Aim to apply between stem elongation and ear emergence complete (ZGS 32-59). DO NOT apply later than ZGS 59. Apply the higher rate when disease is present on the top leaf or conditions are favourable for disease development at these stages of crop development.

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

WITHHOLDING PERIODS:

DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION.

DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 6 WEEKS AFTER APPLICATION.

EXPORT OF TREATED CEREALS

Growers should note that Maximum Residue Limits (MRLs) or import tolerances do not exist in all markets for cereals treated with Quantum Epoxiconazole 125 SC Fungicide. Additionally, some export markets have established MRLs different to those in Australia. If you are growing cereals for export, please check with Quantum Agrosiences Holdings Pty Ltd or your grain exporter for the latest information on MRLs and import tolerances BEFORE using Quantum Epoxiconazole 125 SC Fungicide.

LIVESTOCK DESTINED FOR EXPORT MARKETS

The grazing withholding period only applies to stock slaughtered for the domestic market. Some export markets apply different standards. To meet these standards, ensure that in addition to complying with the grazing withholding period, the Export Slaughter Interval is observed before stock are sold or slaughtered.

EXPORT SLAUGHTER INTERVAL (ESI): AFTER OBSERVING THE PERIOD FOR GRAZING OR CUTTING FOR STOCKFOOD, LIVESTOCK THAT HAVE BEEN GRAZED ON OR FED TREATED CROPS SHOULD BE PLACED ON CLEAN FEED FOR 3 DAYS PRIOR TO SLAUGHTER.

GENERAL INSTRUCTIONS

Quantum Epoxiconazole 125 SC is a broad-spectrum contact and systemic fungicide. It is taken up via the stem and foliage and is translocated upwards and outwards to provide protection to new growth. Thorough coverage of the crop is necessary for best results.

Check the crop regularly for any symptoms of disease infection. Apply as soon as disease is present on the flag leaf or flag-2. Application beyond flag leaf emergence (ZGS39) may not provide any yield benefit, particularly under dry seasonal conditions.

MIXING

Quantum Epoxiconazole 125 SC is a suspension concentrate formulation. Add the product to the half-filled spray tank while agitating. Continue to agitate while topping up the tank and during spraying.

APPLICATION

Ground Application: Apply in a water volume of between 50 and 100 L/ha, using flat fan nozzles operating at around 50 cm above the top of the crop. Use the higher water volume in crops with heavier canopies.

Aerial Application: Apply with suitable aircraft set up and operated to apply fungicides to cereal crops in a minimum water volume of 20 L/ha.

COMPATIBILITY

For information on compatibility please contact your local reseller or Quantum Agrosiences Holdings Pty Ltd representative.

FUNGICIDE RESISTANCE WARNING

Quantum Epoxiconazole 125 SC is a member of the DMI group of fungicides. For fungicide resistance management the product is a Group 3 fungicide. Some naturally occurring individual fungi resistant to the product and other Group 3 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by this product 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, Quantum Agrosiences Holdings Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

RE-ENTRY PERIOD

DO NOT allow entry into treated areas until the spray has dried.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Highly toxic to aquatic organisms. 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 out of 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.

SAFETY DIRECTIONS

Harmful if inhaled or swallowed. Will irritate the eyes, nose and throat and skin. Avoid contact with eyes and skin. Do not inhale vapours. If product on skin, immediately wash area with soap and water. Wash hands after use. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow length Chemical resistant gloves and half-piece respirator. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat. After each day's use, wash gloves, respirator and if rubber, wash with warm water. Wash contaminated clothing.

GROUP	3	FUNGICIDE
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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 (SDS) which can be obtained from the supplier.

CONDITIONS OF SALE: Quantum Agrosciences Holdings Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Quantum Agrosciences Holdings Pty Ltd's skill or judgement in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Quantum Agrosciences Holdings Pty Ltd has any authority to add to or alter these conditions.

Additional information required under the Globally Harmonised System (GHS) classification of the substance/mixture: Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. Suspected of causing cancer. May damage the unborn child. Suspected of damaging fertility. Toxic to aquatic life with long lasting effects.



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