

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

QA

Tebuconazole 430 SC

FUNGICIDE

ACTIVE CONSTITUENT: 430 g/L TEBUCONAZOLE

GROUP **3** FUNGICIDE

For the control of leaf spot and leaf speckle on bananas; rust, leaf spot and net blotch of peanuts; foliar diseases on cereal crops; and other diseases on beans, peas, onions, pawpaw, pyrethrum and ryegrass and fescue seed crops as specified in the Directions for Use Table.

APVMA Approval No.: 96549/149843

SC Formulation Type
Suspension
Concentrate

**BE PROUDLY
AUSTRALIAN**

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DIRECTIONS FOR USE

CROP	DISEASE	APPLICATION	RATE mL/ha		WHP	CRITICAL COMMENTS
Bananas (Qld, NSW, WA, NT only)	Leaf Spot (Yellow Sigatoka), Leaf Speckle, Black Sigatoka	<p>Ground Application: Apply by misting machine or airblast sprayer in a convenient volume of water</p> <p>Aerial application: Apply at least 20L of spray mixture per hectare</p>	<p>230</p> <p>Add 3-6L water miscible oil per ha</p>		H 1 day	<p>Maintain good de-leafing practices to reduce disease inoculum. Very old leaves and leaves with advanced lesions should be removed, or infected parts of the leaf removed, prior to the application of QA Tebuzole 430 Fungicide.</p> <p>Tropical Areas (e.g. North Qld, NT, Ord River): Apply a regular schedule of protectant sprays. When conditions favour disease, apply a maximum of 2 consecutive QA Tebuzole 430 Fungicide sprays at 14 day intervals. Do not apply more than 6 QA Tebuzole 430 Fungicide sprays in any 12 month period. Do not apply any QA Tebuzole 430 Fungicide sprays in the months of June, July, August and September.</p> <p>Sub-tropical areas (e.g. South Qld, NSW): Commence spraying with QA Tebuzole 430 Fungicide at the onset of warm and humid/wet weather, normally December. Repeat at 21 to 28 day intervals using a maximum of 2 consecutive QA Tebuzole 430 Fungicide sprays. DO NOT apply more than 5 QA Tebuzole 430 Fungicide sprays in any 12 month period. QA Tebuzole 430 Fungicide is approved for use in banana plantations inter-planted with avocados.</p>
Peanuts (South Qld, NSW only)	Early Leaf Spot, Late Leaf Spot, Rust, Net Blotch	<p>Low disease</p> <p>Ground Application: Apply in at least 10 L of water per hectare</p> <p>Aerial application: Apply at least 30L of spray mixture per hectare</p>	175 + Agridex 1L/ha		H 3 weeks G 3 weeks	<p>Regularly check high-risk areas in the crop for disease (e.g. lower leaves, shaded plants).</p> <p>When leaf spot or net blotch or rust can easily be found then either:</p> <ul style="list-style-type: none"> • Spray immediately after last disease conducive weather (e.g. rain or heavy dews). <p>or</p> <ul style="list-style-type: none"> • Spray before the next conducive weather. <p>Repeat after 14 days if conditions remain favourable to disease development. If not, repeat just before or just after the next disease conducive weather. For resistance strategy, see General Instructions.</p>
		High disease OR Wet weather	290 + Agridex 1L/ha			
		High disease AND Wet weather	440 + Agridex 1L/ha			
Peanuts (North Qld, WA, NT only)	Early Leaf Spot, Late Leaf Spot, Rust	Low Disease	230 + Agridex 1L/ha.			<p>Begin spraying at 3-4 weeks after planting. If band spraying, apply half the appropriate rate as a 45 cm band directly over the row. Sprays should not be banded after 6 weeks from planting.</p> <p>Repeat applications at 14-day intervals. If prolonged wet weather or heavy rains occur, shorten spray interval to 10-12 days. For resistance strategy, see General Instructions.</p>
		Moderate disease	290 + Agridex 1L/ha.			
		Severe disease	440 + Agridex 1L/ha			

CROP	DISEASE	APPLICATION	RATE mL/ha		WHP	CRITICAL COMMENTS
Peanuts (North Qld, WA, NT only) – <i>continued</i>	Net blotch	Low Disease	290 + Agridex 1L/ha.		H 3 weeks	Apply at 14 day intervals. If prolonged cool moist weather occurs, shorten spray interval to 10-12 days. For resistance strategy, see General Instructions.
		Moderate – severe disease	440 + Agridex 1L/ha		G 3 weeks	
Green beans	Rust	Can be applied by aircraft or ground rig	350 + Agridex 1L/ha		H 3 days G 3 days	Spray when rust infection begins or at budding, whichever is the earlier. Repeat application 10-14 days later. A third application may be necessary when infection occurs early or disease pressure is high.
Peas	Powdery Mildew	Ground application: Apply in at least 50 L of water/ha	145			Apply at flowering or at the first sign of disease, whichever occurs first. A second spray 14 days later may be necessary under some conditions.
Wheat	Leaf rust, Stripe rust, Septoria nodorum blotch, Yellow leaf spot	Aerial application: Apply in at least 10 L of water/ha	145 or 290		H 5 weeks G 14 days	Use the higher rate when longer disease control is required. Stripe Rust: See spray timings under General Instructions. Other diseases: Apply from full flag leaf emergence to early head emergence. The addition of mineral crop oil (e.g. DC Trate* or equivalent) at 1%, may improve performance of Tebuzole 430 Fungicide on wheat, oats and barley.
	Septoria tritici blotch		290			
Oats	Crown Rust		145 or 290			
Barley	Scald		145			Apply at late tillering to early jointing.
	Powdery Mildew		145 or 290			Apply when 5% of the leaf area is infected. Use higher rate when longer disease control is required.
Wheat, Oats	Stem Rust					Apply if more than 5% of stems become infected between full flag leaf emergence to late flowering. Where stem rust is the major disease, yield responses are usually optimised by delaying application until full head emergence, and using the higher rate. In severe cases, if a majority of stems are infected prior to full head emergence, apply at 145 mL/ha as soon as possible and if necessary, repeat after 3 weeks when heads are fully emerged.
Onions (Tas only)	White root rot	Before sowing, apply QA Tebuzole 430 Fungicide onto lime super. Ensure good coverage of all lime super particles	1.45 mL/100 m of row mixed with 145-218 g lime super/100 m of row		–	Apply QA Tebuzole 430 Fungicide treated lime super when sowing onion seed. Seed and lime super can either be mixed in the same box on the drill or placed in different boxes and sown down the same tube. Apply in a bandwidth of 2 cm. Ensure that the correct rate of QA Tebuzole 430 Fungicide is used otherwise some delay in emergence and reduced stands of seedlings may occur.

CROP	DISEASE	APPLICATION	RATE mL/ha		WHP	CRITICAL COMMENTS
Pawpaw	Black spot	Ensure thorough coverage of leaves and fruit	290		H 3 days	Ensure infected plant material is regularly removed and destroyed to reduce inoculum levels. Spray equipment must be properly calibrated to apply the correct amount of QA Tebuzole 430 Fungicide. Apply QA Tebuzole 430 Fungicide at 14 day intervals. Alternate QA Tebuzole 430 Fungicide with sprays of a protectant fungicide (e.g. mancozeb). DO not apply more than 6 sprays of QA Tebuzole 430 Fungicide (or any DMI fungicide) on any block in any 12 month period.
Pyrethrum	Sclerotinia sclerotiorum		350		–	Apply twice, in rotation with other control measures, at 7-10 day intervals. Commence at 1 to 2% flowering. Use under directions of pyrethrum advisers.
Ryegrass and fescue seed crops	Leaf rust, Stem rust	Apply in at least 100L of water per ha	290		–	Monitor crops closely and spray at the first signs of disease. Continuing disease pressure or re-infection may require a further application 3-4 weeks later. Ensure thorough coverage, and use higher water volumes in dense or advanced crops.

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

WITHHOLDING PERIODS:

BANANAS, AVOCADOS: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.

BEANS, PEAS: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION AND DO NOT GRAZE OR CUT FOR LIVESTOCK FOR 3 DAYS AFTER APPLICATION.

CEREALS: DO NOT HARVEST FOR 5 WEEKS AFTER APPLICATION AND DO NOT GRAZE OR CUT FOR LIVESTOCK FOR 14 DAYS AFTER APPLICATION.

ONIONS: NOT REQUIRED WHEN USED AS DIRECTED.

PAWPAW: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.

PEANUTS: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION AND DO NOT GRAZE OR CUT FOR LIVESTOCK FOR 21 DAYS AFTER APPLICATION.

H = Harvest, G = Grazing

GENERAL INSTRUCTIONS

FUNGICIDE RESISTANCE WARNING

QA Tebuazole 430 Fungicide 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 QA Tebuazole 430 Fungicide 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 QA Tebuazole 430 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, Quantum Agrosciences Holdings Pty Ltd accepts no liability for any losses that may result from the failure of QA Tebuazole 430 Fungicide to control resistant fungi

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COMPATIBILITY / TANK MIXES

QA Tebuazole 430 Fungicide can be mixed with Epoxizole (epoxiconazole), Kingstar (azoxystrobin), prothioconazole, fluopyram, trifloxystrobin. When tank mixing add the required amount of compatible product when the spray tank is nearly full and while continuously agitating. If left overnight, agitate thoroughly before spraying. As formulations of other manufacturer's products are beyond the control of Quantum Agrosciences Holdings Pty Ltd, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities. Mixtures with more than one product may not be compatible and should be checked in a test first. Physical compatibility does not guarantee biological compatibility.

Resistance Management Recommendation – Peanuts

Apply no more than 3 consecutive sprays of DMI fungicide (e.g. tebuconazole) before switching to a non-DMI fungicide. Apply no more than 5 DMI sprays per season.

MIXING

Prior to pouring, shake container vigorously, then add the required amount of QA Tebuazole 430 Fungicide to water in the spray vat while stirring or with agitators in motion. Add the required amount of Agridex (peanuts, beans) or water miscible oil (bananas) and mix thoroughly.

APPLICATION

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

SPECIAL WARNING – BANANAS

There are certain conditions when the surface of recently emerged fruit is particularly prone to marking damage from spray applications. In circumstances where application will be made to very rapidly growing fruit in hot conditions with strong direct light, it is recommended that all emerged bunches be bagged prior to spraying to minimise risk of fruit marking. Never include adjuvants other than water miscible oils with QA Tebuazole 430 Fungicide sprays. The inclusion of wetting agents is known to cause phototoxicity to young fruit.

Foliar Diseases on cereal crops

DO NOT apply to cereal crops more than once in a season. Treatment will give approximately three weeks disease suppression. Economic response may not be gained by spraying crops past flowering stage. The effects of fungicide application will not be clearly seen for 7-10 days after application.

Yield potential: Crops with potential yield under 2t/ha are unlikely to give economic responses to a fungicide spray except under conditions of very severe disease. Economic responses are most likely with crops with potential yield of over 3t/ha.

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 signs of infection during tillering or jointing, apply a spray within a week.

Adult infections

Susceptible varieties: When approximately 10 out of 100 leaves show first sign of infection, apply a spray within a week.

Moderately susceptible varieties: When approximately 15-20 out of 100 leaves show first sign of infection, apply a spray within a week. DO NOT delay.

Moderately resistant and resistant varieties: Monitor carefully. If rust appears and spreads, spray within 1 week.

PRECAUTIONS

Re-Entry Period: Do not allow entry into treated area until the spray has dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), chemical resistant gloves and footwear. Clothing must be laundered after each day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with chemical or used containers. A spray drift minimisation strategy should be employed at all times when aerially applying sprays. The strategy envisaged is exemplified by the cotton industry's Best Management Practise Manual.

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 containers at 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.

For Refillable containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container, preparing the spray and using prepared spray wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves. 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 contaminated clothing.

FIRST AID

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

SAFETY DATA SHEET

For further information refer to 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: **Suspected of damaging fertility or the unborn child. Toxic to aquatic life with long lasting effects.** Do not eat, drink or smoke when using this product. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. In case of fire, use carbon dioxide, dry chemical, foam.



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