

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



# Tebuconazole 430

F U N G I C I D E

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.

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE**

**Australis Crop Protection Pty Ltd**

ABN 94 150 711 185

Shop 4, 30 Heber Street, Moree NSW 2400

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**CONTENTS: 20 LITRES**

BATCH NO:

DATE OF MANUFACTURE:



# Tebuconazole 430

FUNGICIDE

## STORAGE AND DISPOSAL

Store in the closed, original container in a well-ventilated area as cool as possible. 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 a 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 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. DO NOT burn empty containers or product.

**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 the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and 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, goggles and contaminated clothing.

## FIRST AID

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

## MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet which is available from Australis Crop Protection Pty Ltd upon request.

**CONDITIONS OF SALE:** The use of ACP Tebuconazole 430 Fungicide being beyond the control of the manufacturer no warranty expressed or implied is given by Australis Crop Protection Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Australis Crop Protection Pty Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

APVMA Approval No.: 66775/54386

IN A TRANSPORT EMERGENCY

**DIAL 000**

POLICE OR FIRE BRIGADE



**AUSTRALIS**  
CROP PROTECTION

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## DIRECTIONS FOR USE

CROP	DISEASE	APPLICATION	RATE	WHP(days)	CRITICAL COMMENTS
Bananas (Qld, NSW, WA, NT only)	Leaf Spot (Yellow Sigatoka), Leaf Speckle, Black Sigatoka	<p><b>Ground Application:</b> Apply by misting machine or airblast sprayer in a convenient volume of water.</p> <p><b>Aerial Application:</b> Apply at least 20 L of spray mixture per hectare</p>	230 mL/ha Add 3 – 6 L water miscible oil/ha	1 day	<p>Maintain good deleafing practices to reduce disease inoculum.</p> <p>Very old leaves and leaves with advanced lesions should be removed, or infected parts of the leaf removed, prior to the application of ACP Tebuconazole 430 Fungicide.</p> <p><b>Tropical area (eg North Qld, NT, Ord River):</b> Apply a regular schedule of protectant sprays. When conditions favour disease, apply a minimum of 2 and a maximum of 3 consecutive ACP Tebuconazole 430 Fungicide sprays at 14-day intervals.</p> <p>DO NOT apply more than 6 ACP Tebuconazole 430 Fungicide sprays in any 12-month period.</p> <p>DO NOT apply any ACP Tebuconazole 430 Fungicide sprays in the months of July, August and September.</p> <p><b>Sub-tropical areas (eg South Qld, NSW):</b> Commence spraying with ACP Tebuconazole 430 Fungicide at the onset of warm and humid/ wet weather, normally December. Repeat at 21 to 28 day intervals using a minimum of 2 consecutive ACP Tebuconazole 430 Fungicide sprays.</p> <p>DO NOT apply more than 5 ACP Tebuconazole 430 Fungicide sprays in any 12-month period.</p> <p>ACP Tebuconazole 430 Fungicide is approved for use in banana plantations interplanted with avocados.</p>

CROP	DISEASE	APPLICATION	RATE	WHP(days)	CRITICAL COMMENTS
Peanuts (South Qld, NSW only)	Early Leaf Spot, Late Leaf Spot, Net Blotch, Rust	<b>Low disease Ground Application:</b> Apply in at least 100 L of water/ha	175 mL/ha + Agridex 1 L/ha	H 3 Weeks G 3 Weeks	Regularly check high-risk areas in the crop for disease (eg lower leaves, shaded plants). When Leaf Spot or Net Blotch or Rust can easily be found then either:- <ul style="list-style-type: none"> <li>• Spray <u>immediately</u> after the last disease conducive weather (eg rain or heavy dews)</li> </ul> OR <ul style="list-style-type: none"> <li>• Spray before the next disease conducive weather.</li> </ul> Repeat after 14 days if conditions remain favourable to disease development. If not, repeat before or just after the next disease conducive weather. For resistance strategy, see General Instructions.
		<b>High disease OR Wet weather</b>	290 mL/ha + Agridex 1 L/ha		
		<b>High disease AND Wet weather</b>	440 mL/ha + Agridex 1 L/ha		
Peanuts (North Qld, WA, NT only)	Early Leaf Spot, Late Leaf Spot, Rust	<b>Low disease</b>	230 mL/ha + Agridex 1 L/ha	H 3 Weeks G 3 Weeks	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. 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.
		<b>Moderate disease</b>	290 mL/ha + Agridex 1 L/ha		
		<b>Severe disease</b>	440 mL/ha + Agridex 1 L/ha		
	Net Blotch	<b>Low disease</b>	290 mL/ha + Agridex 1 L/ha		Apply at 14-day intervals. If prolonged cool moist weather occurs, shorten spray interval to 10-12 days. For resistance strategy, see General Instructions.
		<b>Moderate – severe disease</b>	440 mL/ha + Agridex 1 L/ha		
Green beans	Rust	Can be applied by aircraft or ground rig	350 mL/ha + Agridex 1 L/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.

CROP	DISEASE	APPLICATION	RATE	WHP(days)	CRITICAL COMMENTS
Peas	Powdery Mildew	<b>Ground Application:</b> Apply in at least 50 L of water/ha <b>Aerial Application:</b> Apply in at least 10 L of water/ha	145 mL/ha	H 3 days G 3 days	Apply at flowering or at 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	<b>Ground Application:</b> Apply in at least 50 L of water/ha <b>Aerial Application:</b> Apply in at least 10 L of water/ha	145 mL/ha or 290 mL/ha	H 5 weeks G 14 days	Use higher rate when longer disease control is required. <b>Stripe Rust:</b> See spray timings under General Instructions. <b>Other diseases:</b> Apply from full flag leaf emergence to early head emergence. The addition of mineral crop oil (eg. D-C Trate* or equivalent) at 1% may improve performance of ACP Tebuconazole 430 Fungicide on wheat, oats and barley.
	Septoria Tritici Blotch		290 mL/ha		
Oats	Crown Rust		145 or 290 mL/ha		
Barley	Scald		145 mL/ha		Apply at late tillering to early jointing.
	Powdery Mildew		145 or 290 mL/ha		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 optimized by delaying application until full head emergence, and using the higher rate. In several 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.

CROP	DISEASE	APPLICATION	RATE	WHP(days)	CRITICAL COMMENTS
Onions (Tas only)	White Root Rot	Before sowing, apply ACP Tebuconazole 430 Fungicide onto lime super. Ensure good coverage of all lime super particles.	145 mL/100m of row mixed with 145 – 218 g lime super/100m of row	–	Apply ACP Tebuconazole 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 ACP Tebuconazole 430 Fungicide is used otherwise some delay in emergence and reduced stands of seedlings may occur.
Pawpaw	Black Spot	Ensure thorough coverage of leaves and fruit	290 mL/ha	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 ACP Tebuconazole 430 Fungicide.  Apply ACP Tebuconazole 430 Fungicide at 14-day intervals.  Alternate ACP Tebuconazole 430 Fungicide with sprays of a protectant fungicide (eg Mancozeb).  DO NOT apply more than 6 sprays of ACP Tebuconazole 430 Fungicide (or any DMI fungicide) on any block in any 12-month period.
Pyrethrum	<i>Sclerotinia sclerotiorum</i>		350 mL/ha	–	Apply twice in rotation with other control measures, at 7-10 day intervals.  Commence at 1 to 2% flowering. Use under direction of pyrethrum advisers.

<b>CROP</b>	<b>DISEASE</b>	<b>APPLICATION</b>	<b>RATE</b>	<b>WHP(days)</b>	<b>CRITICAL COMMENTS</b>
Ryegrass and fescue seed crops	Leaf Rust, Stem Rust	Apply in at least 100 L of water/ha	290 mL/ha	–	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.

*H = Harvest, G = Grazing*

**NOT TO BE USED FOR ANY PURPOSE OR 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.**

**DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 3 DAYS AFTER APPLICATION.**

**CEREALS: DO NOT HARVEST FOR 5 WEEKS AFTER APPLICATION.**

**DO NOT GRAZE OR CUT FOR STOCK FOOD 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.**

**DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 21 DAYS AFTER APPLICATION.**



## GENERAL INSTRUCTIONS

### FUNGICIDE RESISTANCE WARNING

ACP Tebuconazole 430 Fungicide is a member of the DMI group of fungicides.

**GROUP 3 FUNGICIDE**

For fungicide resistance management the product is a Group 3 fungicide. Some naturally occurring individual fungi resistant to ACP Tebuconazole 430 Fungicide Insecticide 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 ACP Tebuconazole 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, Australis Crop Protection Pty Ltd accepts no liability for any losses that may result from the failure of ACP Tebuconazole 430 Fungicide to control resistant fungi.

### Resistance management recommendation – peanuts

Apply no more than 3 consecutive sprays of DMI fungicide (eg ACP Tebuconazole 430 Fungicide) 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 quantity of ACP Tebuconazole 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 ACP Tebuconazole 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 responses 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 2 t/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. In South Australia consult Plant Protection Note PPN 21. In other states 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.

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.

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

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

## **STORAGE AND DISPOSAL**

Store in the closed, original container in a dry, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

**For Non-Refillable containers:** 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 a 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 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.

**For Refillable containers:** Storage must be secure so that contents cannot be tampered with. All locks and/or seals must be in order. If locks or seals are broken prior to initial use then the integrity of this product cannot be assured. If this occurs Australis Crop Protection Pty Ltd should be advised immediately. 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 the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and 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, goggles and contaminated clothing.

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\*Other Trademarks