

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

Laguna[®] Xtreme[®]
800 WG Fungicide

ACTIVE CONSTITUENT: 800 g/kg TEBUCONAZOLE

GROUP 3 FUNGICIDE

For the control of various diseases of bananas, peanuts, grapes, cereal crops, vegetables and other crops as specified in the direction for use table.

IMPORTANT: READ THE ATTACHED BOOKLET BEFORE USE

Contents: 2.5-15 kg

APVMA Approval Number 67455 / 56071

Sipcam Pacific Australia Pty Ltd
Level 1, 191 Malop Street
GEELONG VIC 3220



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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 containers and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the containers below 500mm 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. Empty containers and product should not be burnt. Do not re-use empty containers for any other purpose.

SAFETY DIRECTIONS

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 (or equivalent clothing), and a washable hat and elbow length chemical resistant gloves. Wash hands after use. 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).

MATERIAL SAFETY DATA SHEET

For further information refer to Material Safety Data Sheet (MSDS) which is available from the supplier- or by visiting:- www.sipcam.com.au.

NOTICE TO BUYER

This product must be used in accordance with the directions for use. Where this product is not a good of a kind ordinarily acquired for personal, domestic or household use or consumption under the Australian Consumer Law, Sipcam's liability for any direct, indirect or consequential loss which you incur, including, without limitation, loss or damage to crop, loss of equipment, property damage, personal injury or death is limited, at Sipcam's option, to the replacement of the product or the supply of an equivalent product. By opening this package, you agree to be bound by these terms. If you do not agree to these terms, please return the entire unopened package intact to Sipcam or the place in which you purchased this product for a full refund.

Batch Number:

Date of Manufacture:

* Not a registered product of Sipcam Pacific Australia Pty Ltd

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DIRECTIONS FOR USE

H = Harvest G= Grazing

CROP	DISEASE	RATE	WHP	CRITICAL COMMENTS
Bananas (QLD, NSW, WA, NT only)	Leaf spot (Yellow sigatoka), Leaf Speckle, Black Sigatoka	124g/ha Add 3-6L water miscible oil/ha	H 1 day	Maintain good de-leafing practices to reduce disease inoculum. Very old leaves, and leaves with advanced lesions should be removed, or infected part of the leaf removed, prior to the application of Laguna Xtreme 800 WG Fungicide. Tropical Areas: (Eg North Qld, NT, Ord River) Apply a regular schedule of protectant sprays. When conditions favour disease, apply a maximum of 2 consecutive sprays at 14 day intervals. Do not apply more than 6 sprays in any 12 month period. Do not apply any sprays in the months of July, August, September and October. Subtropical Areas: (Eg South Qld, NSW) Commence spraying at the onset of warm and humid/wet weather, normally December. Repeat at 21-28 day intervals using a maximum of 2 consecutive sprays. Do not apply more than 5 sprays in any 12 month period. Laguna Xtreme 800 WG Fungicide is approved for use in banana plantations interplanted with avocados. Ground Application: Apply by misting machine or airblast sprayer in a convenient volume of water.
Grape Vines	Powdery Mildew	Dilute Spraying 16g/100L Concentrate Spraying Refer to Instructions for grapevines in the application section	H 8 weeks	Apply thoroughly as part of the following 5 spray program" 1. When shoots 10-20cm long 2. Pre-Flowering 3. Flowering 4. After fruit set. 5. Before bunches close. This use is subject to a Croplife Australia Fungicide Resistance Management Strategy. DO NOT apply more than 2 consecutive sprays. DO NOT apply more than 3 sprays per season. DO NOT use Laguna Xtreme 800 WG Fungicide curatively. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. Do not use in equipment that requires concentrate rates greater than 80g/100L water (5x). Do not apply in volumes less than 250L/ha. Add a non-ionic wetting agent such as Agridex* at 10mL/100L regardless of whether applying by dilute or concentrate spraying.
Green Beans	Rust	189g/ha + 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. Apply by ground rig only.
Lettuce	Sclerotinia Rot	188g/ha	H 5 weeks	Apply by boom spray. Apply only during the early stages of plant development (note the 5 week WHP). Apply a maximum of 2 applications at 7-10 day intervals in rotation with other chemicals registered for this use. Apply only to field crops. DO NOT apply in greenhouses (ie, protected cropping) situations or hydroponically grown lettuce crops. Control of Sclerotiniaia in lettuce should not be solely reliant of fungicides. Other control measures such as crop rotations, resistant varieties and planting techniques should be employed.
Onions (Tas only)	White Root Rot	0.8g/100m of row mixed with 145- 218g lime super/100m of row	-	Before sowing, apply Laguna Xtreme 800 WG Fungicide onto lime super. Ensure good coverage of all lime super particles. Apply 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 2cm. Ensure that the correct rate of Laguna Xtreme 800 WG Fungicide is used otherwise some delay in emergence and reduced stands of seedlings may occur.

CROP	DISEASE	RATE	WHP	CRITICAL COMMENTS
Pawpaw	Black Spot	156 g/ha	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 Laguna Xtreme 800 WG Fungicide. Apply at 14 day intervals. Ensure thorough coverage of leaves and fruit. Alternate with spray of a protectant fungicide such as Dithane DF. Do not apply more than 6 sprays of any Group 3 Fungicide on any block in any 12 month period.
Peanuts (South Qld, NSW only)	Early Leaf Spot, Late Leaf Spot, Rust, Net Blotch	Low Disease 94 g/ha + Agridex** 1L/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 – spray immediately after the last disease conducive weather (eg rain or heavy dews) or spray before the next disease conducive weather. Repeat after 14 days if conditions remain favourable to disease development. If not, repeat before or just after the next disease conducive weather. Ground Application: Apply in at least 100L of water/ha. Use of Laguna Xtreme 800 WG Fungicide on peanuts is subject to a CropLife Australia Fungicide Resistance Management Strategy: Apply no more than 3 consecutive Group 3 sprays alone before changing to a fungicide of a different activity group. Apply a maximum of 5 Group 3 sprays per season.
		High Disease or Wet Weather 156 g/ha + Agridex** 1L/ha		
		High Disease and Wet Weather 237 g/ha + Agridex* 1L/ha		
Peanuts (North Qld, WA, NT only)	Early Leaf Spot, Late Leaf Spot, Rust, Powdery Mildew	Low Disease 124 g/ha + Agridex* 1L/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 45cm band directly over the row. Sprays should not be banded after 6 weeks from planting. Apply at 14 day intervals. If prolonged wet weather or heavy rain occurs, shorten spray interval to 10-12 days. Ground Application: Apply in at least 100L of water/ha. Use of Laguna Xtreme 800 WG Fungicide on peanuts is subject to a CropLife Australia Fungicide Resistance Management Strategy: Apply no more than 3 consecutive Group 3 sprays alone before changing to a fungicide of a different activity group. Apply a maximum of 5 Group 3 sprays per season.
		Moderate Disease 156 g/ha + Agridex* 1L/ha		
		Severe Disease 237 g/ha + Agridex* 1L/ha		
	Net Blotch	Low Disease 156 g/ha + Agridex* 1L/ha		
Moderate - Severe Disease 237 g/ha + Agridex* 1L/ha				
Peas	Powdery Mildew	78 g/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. Ground Application: Apply in at least 50L of water/ha.
Pyrethrum	<i>Sclerotinia sclerotiorum</i>	188 g/ha	-	Apply twice, in rotation with other control measures, at 7-10day intervals. Commence at 1-2% flowering. Use under direction of pyrethrum advisers.
Ryegrass and Fescue Seed Crops	Leaf Rust, Stem Rust	156 g/ha	-	Monitor crops closely and spray at the first signs of disease. Continuing disease pressure or reinfection may require a further application 3-4 weeks later. Apply in at least 100L of water/ha. Ensure thorough coverage, and use higher water volumes in dense or advanced crops.

CROP	DISEASE	RATE	WHP	CRITICAL COMMENTS
Sugar Cane (Variety Q124 only)	Orange Rust	156 g/ha + Agridex* 1L/ha	H 4 weeks G 4 weeks	Even low levels of orange rust suppresses yields so it is important to apply Laguna Xtreme 800 WG Fungicide early in the development of the disease epidemic. Begin monitoring disease levels early. Check crops at least weekly when climatic conditions favour the development of disease. Apply as a foliar spray when disease begins to escalate rapidly. Repeat application after 14 days if conditions remain favourable to orange rust spore germination. Do not apply more than 2 Laguna Xtreme 800 WG Fungicide sprays per season. Do not apply if heavy rain or storms that are likely to cause surface runoff are forecast with greater than 50% probability within 24 hours (48 hours if possible) of application. Ground Application: Use droppers and directed sprays and sufficient water volume to ensure thorough coverage.
Wheat	Leaf Rust, Stripe Rust, <i>Septoria nodorum</i> Blotch, Yellow Leaf Spot	78 or 156 g/ha	H 5 weeks G 14 days	Use 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 a mineral crop oil at 1% may improve performance of Laguna Xtreme 800 WG Fungicide on wheats, oats and barley. Ground Application: Apply in at least 50L of water/ha.
	<i>Septoria tritici</i> Blotch	156 g/ha		
Oats	Crown Rust	78 or 156 g/ha		
Barley	Scald	78 g/ha		Apply at late tillering to early jointing. Ground Application: Apply in at least 50L of water/ha.
	Powdery Mildew	78 or 156 g/ha		Apply when 5% of the leaf area is infected. Use higher rate when longer disease control is required. Ground Application: Apply in at least 50L of water/ha.
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 78 g/ha as soon as possible, and if necessary, repeat after 3 weeks when heads are fully emerged. Ground Application: Apply in at least 50L of water/ha.

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

WITHHOLDING PERIODS

- AVOCADOS, BANANAS:** 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.
- GRAPEVINES:** DO NOT HARVEST FOR 8 WEEKS 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.
- SUGAR CANE:** DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.
DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

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 Laguna Xtreme 800 WG Fungicide sprays. The inclusion of wetting agents is known to cause phytotoxicity to young fruit.

Foliar diseases on cereal crops

DO NOT apply to cereal crops more than once per season (156 g/ha rate) or more than twice per season (78 g/ha rate). Treatment will give approximately 3 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.

Spray timings for strip rust control

Obtain advisory literature from Department of Agricultural for classification of resistant and susceptible varieties.

The following spray program is suggested:

Infection	Number of leaves infected	Application
Seedling	20 out of 100 during tillering to jointing	Spray within one week
Adult – Susceptible Varieties	10 out of 100 leaves	Spray within one week. Do not delay.
Adult – Moderately Susceptible Varieties	15 out of 100 leaves.	Spray within one week. Do not delay.
Adult – Moderately Resistant and Resistant Varieties	Monitor carefully	If rust appears and spreads, spray within one week.

FUNGICIDE RESISTANCE WARNING

GROUP 3 FUNGICIDE

Laguna Xtreme 800 WG Fungicide is a member of the DMI group of fungicides. For fungicide resistance management Laguna Xtreme 800 WG Fungicide is a Group 3 fungicide. Some naturally occurring individual fungi resistant to Laguna Xtreme 800 WG 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 Laguna Xtreme 800 WG Fungicide and 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 Sipcam accepts no liability for any losses that may result from the failure of Laguna Xtreme 800 WG Fungicide to control resistant fungi.

EXPORT OF TREATED PRODUCE

Growers should note that MRLs or import tolerances do not exist in all markets for edible produce treated with Laguna Xtreme 800 WG Fungicide. If you are growing edible produce for export, please check with Sipcam for the latest information on MRLs and import tolerances before using this product.

MIXING

Add the required quantity of Laguna Xtreme 800 WG Fungicide to water in the spray vat while stirring or with agitators in motion. Add the required amount of Agridex* (beans, peanuts, sugar cane) or water miscible oil (bananas) and mix thoroughly.

APPLICATION

SPECIAL INSTRUCTIONS FOR GRAPE VINES:

Dilute Spraying: Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off. The required water volume may be determined by applying different test volumes, using different settings on the sprayer from industry guidelines or expert advice. Add the amount of Laguna Xtreme 800 WG Fungicide specified in the Directions for Use table for each 100L of water. Spray to the point of run-off. The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.

Concentrate Spraying: Use a sprayer designed and set up for concentrate spraying (ie, a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. Determine an appropriate dilute spray volume (See Dilute spraying above) for the crop canopy. This is needed to calculate the concentrate-mixing rate. The mixing rate for concentrate spraying can then be calculated in the following way:

Example Only:

- a. Dilute spray volume as determined above (eg 1 500L/ha)
- b. Your chosen concentrate spray volume (eg 500L/ha)
- c. The concentration factor in this example is 3 times (ie, $1500 \div 500 = 3$)
- d. If the dilute label rate is 30g/100L then the concentrate rate becomes 3×30 , ie 90g/100L of concentrate spray.
- e. The chosen spray volume, amount of product per 100L of water and the sprayer set up and operation may need to be changed as the crop grows.
- f. Do not use a concentrate rate higher than that specified in the Critical Comments.
- g. For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow Industry Best Practices.

PRECAUTIONS

Re-Entry Period DO NOT enter treated area until spray has dried after treatment unless wearing 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.

DO NOT enter treated areas for high exposure activities such as grape girdling for nine days after application unless 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, drains or waterways with the chemical or used containers. A spray drift minimisation strategy should be employed at all times. Spray drift may occur under adverse meteorological conditions or from certain spraying equipment. DO NOT allow spray to drift onto sensitive areas including, but not limited to, susceptible plants/crops, cropping land, pasture, natural streams, rivers, wetlands, waterways or human dwellings.

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 containers and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the containers below 500mm 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. Empty containers and product should not be burnt. Do not re-use empty containers for any other purpose.

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