



Product Name: TITAN AZOXYSTROBIN EXTRA FUNGICIDE
APVMA Approval No: 69204/136275

Label Name:	TITAN AZOXYSTROBIN EXTRA FUNGICIDE
Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	ACTIVE CONSTITUENTS: 200 g/L AZOXYSTROBIN 80 g/L CYPROCONAZOLE
Mode of Action:	GROUP 3 11 FUNGICIDE
Statement of Claims:	Controls certain fungal diseases in Barley, Wheat, Chickpeas, Lentils and Peanuts as specified in the Directions for Use table.
Net Contents:	5L - 1000L
Restraints:	This section contains file attachment.
Directions for Use:	This section contains file attachment.
Other Limitations:	
Withholding Periods:	WITHHOLDING PERIODS: Barley, Wheat: Grazing: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 21 DAYS AFTER APPLICATION.

Harvest: DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION.
 Peanuts:
 Grazing: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 14 DAYS AFTER APPLICATION.
 Harvest: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.
 Chickpeas, Lentils:
 Grazing: DO NOT GRAZE OR CUT FOR LIVESTOCK FOR 28 DAYS AFTER APPLICATION.
 Harvest: DO NOT HARVEST FOR 7 WEEKS AFTER APPLICATION.

Trade Advice:

EXPORT SLAUGHTER INTERVAL DO NOT slaughter animals destined for export within 7 days of consumption of treated cereal forage or straw, or peanut forage or fodder.
 Chickpeas and Lentils: Livestock that have been grazing or fed treated crops should be placed on clean feed for 7 days prior to slaughter

General Instructions:

GENERAL INSTRUCTIONS

WARNING Azoxystrobin is extremely phytotoxic to certain apple varieties.

AVOID SPRAY DRIFT.

Extreme care must be used to prevent injury to apple trees. DO NOT spray TITAN Azoxystrobin Extra Fungicide where spray drift may reach apple trees. DO NOT spray when conditions favour drift beyond the area intended for application. Conditions which may contribute to drift include thermal inversions, excessive wind speed, certain spray nozzle/pressure combinations, small spray droplet size, etc. DO NOT use spray equipment which has been previously used to apply TITAN Azoxystrobin Extra Fungicide to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity.

MIXING

TITAN Azoxystrobin Extra Fungicide is a suspension concentrate (SC) formulation that mixes readily with water and is applied as a spray. 1. Partly fill the spray tank with water. 2. Start the agitation. 3. Add the correct amount of product to the spray tank with the agitation system running. 4. Continue agitation while topping up the tank with water and while spraying. 5. Use the spray mix within 24 hours of preparation. Growing Conditions In general TITAN Azoxystrobin Extra Fungicide should be applied under good growing conditions with adequate soil moisture. TITAN Azoxystrobin Extra Fungicide should not be applied to crops that are under stress due to very dry, very wet, frosty conditions, nutrient deficiency or high insect pressure, as this may give less than reliable results.

Spray Timing

Always inspect crops to assess disease development immediately before spraying. Best results will be achieved from applications made in the earliest stages of disease development or as a protectant treatment following a disease risk assessment.

Cereals: Applications of TITAN Azoxystrobin Extra Fungicide should be made within the crop growth stages ranging from tillering to early flowering (Z26 to Z62). The object of spraying is to keep the upper 2 to 3 leaves green and functioning through grain filling stage. Peanuts: The object of spraying is to control diseases and stop defoliation during pegging or pod fill stages to ensure stems are sufficiently strong for harvesting. APPLICATION May be applied by boom spray or aircraft. Ensure complete coverage of all leaves and stem is obtained.

Cereals Boom application: As a guide, apply in spray volumes ranging from 50 to 100L water per hectare. The use of flat fan nozzles is recommended using a fine to medium quality spray pattern, with pressures in the range 100 to 400kPa.

Aerial application: As a guide, apply using 20 to 30L water per hectare using a fine to medium quality spray. Use the lower rate when applications are made with a cross wind of not less than 5 knots. Use the higher rates when applying to dense crops.

Peanuts Boom application: As a guide, apply in spray volumes ranging from 150 to 500L water per hectare. The use of hollow cone nozzles or flat fans is recommended using a fine to medium quality spray pattern, with pressures in the range of 500 to 1000kPa for the hollow cones and 150 to 300kPa for flat fan nozzles.

	<p>Aerial application: As a guide, apply 25 to 60L water per hectare using a FINE to MEDIUM droplet size category spray. Use with the lower rate when applications are made with a cross wind of not less than 5 knots. Use the higher rates when applying to dense crops. Chickpeas, Lentils Ground application: Apply as a foliar spray in a spray volume of 50 to 100L/ ha.</p> <p>Aerial application: Product must only be applied with aircraft fitted with accurately calibrated equipment. Apply a minimum total spray volume of 30-50L/ha with nozzles (eg Micro rotary atomisers, CP nozzles or conventional hydraulic nozzles) set to a minimum droplet size category of MEDIUM.</p> <p>COMPATIBILITY/TANK MIXING TITAN Azoxystrobin Extra Fungicide is physically compatible with a wide range of products, however the biological compatibility of these mixtures may not have been fully tested under all environmental and biological conditions. A mixture of TITAN Azoxystrobin Extra Fungicide with any other product may in some circumstances be ineffective or may cause damage. If tank mixes are to be used observe all directions, precautions and limitations on all products to be used. As formulations of other manufacturer's products are beyond the control of TITAN AG Pty Ltd, and the quality of water may vary with location all mixtures should be tested prior to mixing commercial quantities.</p>
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Resistance Warning:	<p>FUNGICIDE RESISTANCE WARNING TITAN Azoxystrobin Extra Fungicide is a combination of a DMI and a Quinone outisde inhibitors (QoI) fungicide. For fungicide resistance management TITAN Azoxystrobin Extra Fungicide is both a Group 3 and a Group 11 fungicide. Some naturally occurring individual fungi resistant to TITAN Azoxystrobin Extra Fungicide and other Group 3 and/or Group 11 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 TITAN Azoxystrobin Extra Fungicide or other Group 3 and/or Group 11 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, TITAN AG Pty Ltd accepts no liability for any losses that may result from the failure of TITAN Azoxystrobin Extra Fungicide to control resistant fungi.</p>
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Precautions:	<p>PRECAUTIONS Re-entry period: DO NOT allow entry into treated areas until the spray has dried unless wearing cotton overalls (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.</p>
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Protections:	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT Highly toxic to fish and very highly toxic to aquatic invertebrates. DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.</p>
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Storage and Disposal:	<p>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 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 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. Refillable containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p>
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Safety Directions:	SAFETY DIRECTIONS Harmful if swallowed. Will irritate the eyes. Avoid contact with eyes. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, elbow-length chemical resistant gloves and goggles. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.
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First Aid Instructions:	FIRST AID If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766.
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First Aid Warnings:	
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RESTRAINTS:

Cereals, Chickpeas and Lentils only: DO NOT apply more than 2 applications of TITAN Azoxystrobin Extra Fungicide (or any other Group 11 or Group 3 fungicide) in any one season on the same paddock. DO NOT exceed a combined total of 800mL/ha of TITAN Azoxystrobin Extra Fungicide in any one season on the same paddock.

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 provide 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.

MANDATORY BUFFER ZONES

DO NOT apply if there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers downwind from the application area and within the mandatory buffer zones shown in Table 1 below.

Table 1 – Buffer Zones for Protection of the Aquatic Environment

FOR AERIAL APPLICATION		
Wind Speed Range at Time of Application	Downwind Mandatory Buffer Zone	
	Fixed-wing	Helicopter
From 3 to 8 kilometres per hour	250m	140m
From 8 to 14 kilometres per hour	350m	200m
From 14 to 20 kilometres per hour	400m	200m
FOR GROUND APPLICATION		
From 3 to 20 kilometres per hour	10m	

DIRECTIONS FOR USE

CROP	DISEASE	RATE/ha	CRITICAL COMMENT
Barley	Leaf Rust (<i>Puccinia hordei</i>)	200 to 800mL	Apply from jointing (Z30) and before infection averages 10% on the flag-2 leaf. Ensure thorough coverage of stems and leaves. Use higher rates under high infection pressure or when longer residual protection is required. Lower rates are effective under low disease pressure but have reduced residual effect. Repeat application at early booting stage if necessary. Two applications of the lower rate will generally provide better control than a single application at the higher rate. Addition of Adigor at 2% v/v improves disease control, especially at the lower rate.
	Net Blotch: Net Form (<i>Pyrenophora teres f. teres</i>), Spot Form (<i>Pyrenophora teres f. maculata</i>)		
	Powdery Mildew (<i>Blumeria graminis hordei</i>)	400 to 800mL	Spray at the first sign of the disease during the tillering stage. A repeat spray 21 to 28 days later may be required. Ensure thorough coverage of stems and leaves. Higher rates provide longer protection.
Peanuts	Early Leaf Spot (<i>Cercospora arachidicola</i>), Late Leaf Spot (<i>Cercosporidium personatum</i>), Net Blotch (<i>Phoma arachidicola</i>), Rust (<i>Puccinia arachidicola</i>)	500 to 750mL	Apply 1 to 2 applications of TITAN Azoxystrobin Extra Fungicide at 10 to 14 day intervals from first flowering and before disease symptoms appear or when disease pressure is low. Use the low rate when disease pressure is low eg early season plantings, and use higher rates when weather conditions favour disease development and/or the crop has a large canopy. When targeting Net Blotch, or when weather conditions are not favourable for application, add a non-ionic surfactant at its recommended use rate. Resistance Management Disease control may be reduced if strains of pathogens less sensitive to TITAN Azoxystrobin Extra Fungicide develop. DO NOT use TITAN Azoxystrobin Extra Fungicide curatively. DO NOT apply more than 1/3 of the total number of fungicide applications per crop as TITAN Azoxystrobin Extra Fungicide. For example, if the total number of fungicides applied to the crop is 9, DO NOT apply more than 3 applications of TITAN Azoxystrobin Extra Fungicide. DO NOT exceed 3 applications of TITAN Azoxystrobin Extra Fungicide per crop. DO NOT apply more than 2 consecutive applications of TITAN Azoxystrobin Extra Fungicide. DO NOT apply more than 5 DMI

			sprays per season. TITAN Azoxystrobin Extra Fungicide contains a DMI fungicide and should be included in the total number of DMI sprays.
Wheat	Leaf Rust (<i>Puccinia triticina</i>)	400 to 800mL	Apply after flag leaf is 70% emerged and before disease levels reach 1% of flag leaf area. Consider control if disease is greater than 5 to 10% on any lower leaf layer. Use higher rates under high infection pressure or when longer residual protection is required. Lower rates are effective under low disease pressure but have reduced residual effect. Ensure thorough coverage.
	Powdery Mildew (<i>Blumeria graminis tritici</i>)		Spray at the first sign of the disease during the tillering stage. A repeat spray 21 to 28 days later may be required. Ensure thorough coverage of stems and leaves. Higher rates provide longer protection.
	Stripe Rust (<i>Puccinia striiformis</i>)		Spray at the first sign of the disease and before 10 to 20% of leaves are infected. A repeat spray 21 to 28 days later may be required. Use higher rates under high infection pressure or when longer residual protection is required.
	Yellow Spot (<i>Pyrenophora tritici-repentis</i>)		Apply once between 70% flag leaf emergence and early flowering. Use higher rates under high infection pressure or where longer residual protection is required. Apply after 70% flag leaf emergence and before disease levels reach 5% on flag leaf. Higher rates give longer residual protection and often better economic returns.
	Stem Rust (<i>Puccinia graminis</i> f.sp. <i>tritici</i>)		Apply at or prior to the first signs of disease. Ensure thorough coverage. Failure to apply Titan Azoxystrobin Extra before Stem Rust becomes well established in the crop may result in reduced disease control. Use the higher rate under high infection pressure or when longer residual protection is required. Continue to monitor crops after application and consider a second fungicide application if conditions continue to favour disease development.
Chickpeas, Lentils	Ascochyta Blight (<i>Ascochyta rabiei</i> and <i>Ascochyta lentis</i>)	400mL	Use TITAN Azoxystrobin Extra Fungicide as part of a preventative spray program for control of Ascochyta diseases for a maximum of two times per season with a minimum retreatment interval of 7 to 14 days. Fungicide applications should commence at the first sign of disease with repeat applications if conditions favour further

			infection. Add a non-ionic surfactant at the recommended label rate. Ensure thorough coverage of all foliage. If conditions are conducive to further disease infection, additional applications of fungicides from other mode of action groups may be required.
Non-food producing plants in commercial forests and native vegetation	Myrtle Rust (<i>Puccinia psidii</i> = <i>Uredo rangelii</i>)	40 mL/100 L	Apply at first signs of disease or when conditions favour disease development. The applicable spray volume should be in the range of 200 to 1000 L/ha. Allow at least 14 days between applications. Spray to run-off ensuring thorough coverage of all foliage including the underside of leaves. Young foliage is most at risk of infection therefore focus on these parts when inspecting for disease or treating disease

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