

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



Amistar Xtra[®]

Fungicide



syngenta[®]

ACTIVE CONSTITUENTS: 200 g/L AZOXYSTROBIN
80 g/L CYPROCONAZOLE

GROUP	3	11	FUNGICIDE
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Controls certain fungal diseases in Cereals, Maize, Peanuts, Pulses and Sweet Corn as specified in the Directions for Use

Syngenta Australia Pty Ltd
Level 1, 2-4 Lyonpark Road, Macquarie Park NSW 2113

In a transport emergency dial 000, Police or Fire Brigade
For specialist advice in an emergency only, call 1800 033 111 (24 hours)

APVMA Approval No.: 57949/125939

SC

Formulation Type
**Suspension
Concentrate**

TM

DIRECTIONS FOR USE

Restrains

For PROFESSIONAL use only

DO NOT exceed a combined total of 800 mL/ha of AMISTAR XTRA in any one season on the same paddock.

Cereals, Maize, Pulses, Sweet Corn only: DO NOT apply more than 2 applications of AMISTAR XTRA (or any other Group 11 or Group 3 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 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/s 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.

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

- Spray droplets are not smaller than a FINE spray droplet size category.
- For maximum release height above the target canopy of 3 metres 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 are observed (see the following table titled 'Buffer zones for aircraft')

Buffer zones for aircraft

Type of Aircraft	Bystander Areas	Natural Aquatic Areas
Fixed-wing	0 metres	50 metres
Helicopter	0 metres	50 metres

Crop	Diseases	Rate	Critical Comments
Barley	Leaf Rust (<i>Puccinia hordei</i>), Net Blotch: Net Form (<i>Pyrenophora teres f. teres</i>), Spot Form (<i>Pyrenophora teres f. maculata</i>)	200 to 800 mL/ha	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.
	Powdery Mildew (<i>Blumeria graminis hordei</i>), Scald (<i>Rhynchosporium secalis</i>)	400 to 800 mL/ha	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.
Cereal Rye	Powdery Mildew (<i>Blumeria graminis tritici</i>), Scald (<i>Rhynchosporium secalis</i>)	400 to 800 mL/ha	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.
	Leaf Rust (<i>Puccinia triticina</i>), Septoria Tritici Blotch (Septoria Leaf Blotch) (<i>Zymoseptoria tritici</i>) and Septoria Glume Blotch (<i>Parastagonospora nodorum</i>)	400 to 800 mL/ha	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.
Maize and Sweet Corn	Turcica Leaf Blight (<i>Setosphaeria turcica</i>), Common Rust (<i>Puccinia sorghi</i>), Polysora Rust (<i>Puccinia polysora</i>)	300 to 600 mL/ha	Apply at or prior to the first signs of disease. Ensure thorough coverage. Failure to apply AMISTAR XTRA before disease 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 favor disease development. Addition of Adigor at 2 % v/v improves disease control, especially at the lower rate. Minimum reapplication interval is 21 days. DO NOT apply after BBCH 83.

Crop	Diseases	Rate	Critical Comments
Non-food producing plants in commercial forests and native vegetation	Myrtle Rust (<i>Puccinia psidii</i> = <i>Uredo rangeli</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
Oats	Septoria Avenae Blotch (<i>Stagonospora avenaria</i>), Leaf Rust (<i>Puccinia coronata f.sp. avenae</i>), Stem Rust (<i>Puccinia graminis f.sp. avenae</i>)	400 to 800 mL/ha	Apply at or prior to the first signs of disease. Ensure thorough coverage. Failure to apply AMISTAR XTRA before 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 after 21 days. DO NOT apply after Z59.
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 750 mL/ha	Apply 1 to 2 applications of AMISTAR XTRA 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 AMISTAR XTRA develop. DO NOT use AMISTAR XTRA curatively. DO NOT apply more than 1/3 of the total number of fungicide applications per crop as AMISTAR XTRA. For example, if the total number of fungicides applied to the crop is 9, DO NOT apply more than 3 applications of AMISTAR XTRA. DO NOT exceed 3 applications of AMISTAR XTRA per crop. DO NOT apply more than 2 consecutive applications of AMISTAR XTRA. DO NOT apply more than 5 DMI sprays per season. AMISTAR XTRA contains a DMI fungicide and should be included in the total number of DMI sprays.

Crop	Diseases	Rate	Critical Comments
Pulse Crops excluding Lentils	Ascochyta Blight (<i>Ascochyta</i> spp.), Grey Mould (<i>Botrytis cinerea</i> and <i>B. fabae</i>), Cercospora Leaf Spot (<i>Cercospora zonata</i>), Rust (<i>Uromyces viciae-fabae</i>) Suppression of Chocolate Spot (<i>Botrytis fabae</i>)	400 to 800 mL/ha	Apply at or prior to the first sign of disease. To ensure thorough coverage and good penetration, the first application should be applied prior to canopy closure. Use the higher rate when conditions favor severe disease development. Under extended conditions of high disease risk and for susceptible varieties, more follow-up fungicide applications may be required. Use a minimum reapplication interval of 14 days. DO NOT exceed 2 applications of AMISTAR XTRA per crop. DO NOT apply after BBCH 75.
Lentils	Ascochyta Blight (<i>Ascochyta</i> spp.), Grey Mould (<i>Botrytis cinerea</i> and <i>B. fabae</i>)	400 to 600 mL/ha	This use pattern is subject to a CropLife resistance management strategy.
Triticale	Leaf Rust (<i>Puccinia triticina</i>)	400 to 800 mL/ha	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.		
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 AMISTAR XTRA 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.		
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.		

Crop	Diseases	Rate	Critical Comments
Triticale <i>continued</i>	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.
	Septoria Tritici Blotch (Septoria Leaf Blotch) (<i>Zymoseptoria tritici</i>) and Septoria Glume Blotch (<i>Parastagonospora nodorum</i>)		Apply at or prior to the first signs of disease. Ensure thorough coverage. Failure to apply AMISTAR XTRA before Septoria 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.
Wheat	Leaf Rust (<i>Puccinia triticina</i>)	400 to 800 mL/ha	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.
	Septoria Tritici Blotch (Septoria Leaf Blotch) (<i>Zymoseptoria tritici</i>) and Septoria Glume Blotch (<i>Parastagonospora nodorum</i>)		Apply at or prior to the first signs of disease. Ensure thorough coverage. Failure to apply AMISTAR XTRA before Septoria 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.
	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 AMISTAR XTRA 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.

Crop	Diseases	Rate	Critical Comments
Wheat <i>continued</i>	Stripe Rust (<i>Puccinia striiformis</i>)	400 to 800 mL/ha	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.

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

WITHHOLDING PERIODS

Cereals except Maize, Oats and Sweet Corn:

Harvest: DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION

Grazing: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 21 DAYS AFTER APPLICATION

Maize:

Harvest: DO NOT HARVEST FOR 8 WEEKS AFTER APPLICATION

Grazing: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 14 DAYS AFTER APPLICATION

Oats:

Harvest: NOT REQUIRED WHEN USED AS DIRECTED

Grazing: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 21 DAYS AFTER APPLICATION

Peanuts:

Harvest: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

Grazing: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 14 DAYS AFTER APPLICATION

Pulses:

Harvest: DO NOT HARVEST FOR 8 WEEKS AFTER APPLICATION

Grazing: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 4 WEEKS AFTER APPLICATION

Sweet Corn:

Harvest: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

Grazing: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 14 DAYS AFTER APPLICATION

EXPORT SLAUGHTER INTERVAL

DO NOT slaughter animals destined for export within 7 days of consumption of treated cereal forage or straw, maize, peanut or pulse forage or fodder or sweet corn fodder.

EXPORT OF TREATED PRODUCE

Growers should note that maximum residue limits (MRLs) or import tolerances may not exist in all markets for export fodder including oaten hay treated with AMISTAR XTRA Fungicide. If you are growing fodder including oaten hay for export, please check with Syngenta Australia or the export fodder industry for the latest information on MRLs and import tolerances before using AMISTAR XTRA Fungicide.

GENERAL INSTRUCTIONS

Mixing

Growing Conditions

In general AMISTAR XTRA should be applied under good growing conditions with adequate soil moisture. AMISTAR XTRA 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 AMISTAR XTRA should be made within the crop growth stages ranging from tillering to early flowering (Z26 to Z62), or for oats within the crop growth stages ranging from tillering to end of heading (Z26 to Z59). The object of spraying is to keep the upper 2 to 3 leaves green and functioning through grain filling stage.

Chickpeas, Faba Beans, Field Peas and Lentils: Applications of AMISTAR XTRA should be made early within the crop growth stages ranging from formation of side shoots to development of pods (BBCH22 to BBCH75). The object of spraying is to minimise development of disease within the canopy and protect the pods to minimise damaged and deformed seeds.

Maize and Sweet Corn: Applications of AMISTAR XTRA should be made within the crop growth stages ranging from stem elongation to grain fill (BBCH30 to BBCH83). 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 100 L 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 400 kPa.

Aerial Application: As a guide, apply using 20 to 30 L 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.

Chickpeas and Lentils:

Boom Application: As a guide, apply in spray volumes ranging from 80 to 200 L 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 400 kPa.

Aerial Application: As a guide, apply using 20 to 30 L 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.

Faba Beans and Field Peas:

Boom Application: As a guide, apply in spray volumes ranging from 100 to 500 L 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 400 kPa.

Aerial Application: As a guide, apply using 25 to 60 L 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.

Maize and Sweet Corn:

Boom Application: As a guide, apply in spray volumes ranging from 200 to 500 L 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 400 kPa.

Aerial Application: As a guide, apply using 25 to 60 L 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 500 L 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 1000 kPa for the hollow cones and 150 to 300 kPa for flat fan nozzles.

Aerial Application: As a guide, apply 25 to 60 L water per hectare using a fine to medium quality 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.

Compatibility/Tank Mixing

AMISTAR XTRA 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 AMISTAR XTRA 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 Syngenta, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities.

Fungicide Resistance Warning

GROUP	3	 	11	FUNGICIDE
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AMISTAR XTRA Fungicide is a combination of a DMI and a Quinone outside Inhibitors (Qols) fungicide. For fungicide resistance management AMISTAR XTRA is both a Group 3 and a Group 11 fungicide.

Some naturally occurring individual fungi resistant to AMISTAR XTRA 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 AMISTAR XTRA 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, Syngenta Australia Pty Ltd accepts no liability for any losses that may result from the failure of AMISTAR XTRA to control resistant fungi.

AMISTAR XTRA may be subject to specific industry resistance management strategies which may recommend limits to the number of sprays, constraints regarding consecutive sprays or sprays following in-furrow or seed treatments. For further information refer to the CropLife Australia website.

PRECAUTIONS

Re-entry Period: DO NOT enter treated areas until the spray has dried. If prior entry is necessary wear cotton overalls (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Extremely toxic to certain apple varieties. AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees. DO NOT spray where spray drift may reach apple trees. DO NOT use spray equipment that has been previously used to apply this product to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.

STORAGE AND DISPOSAL

Store in 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 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 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 PVC gloves
- goggles

Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 131 126.

SAFETY DATA SHEET

If additional hazard information is required refer to the Safety Data Sheet. For a copy phone 1800 067 108 or visit our website at www.syngenta.com.au

Suspected of damaging the unborn child.

DISCLAIMER

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.

Product names marked ® or ™, the ALLIANCE FRAME
the SYNGENTA Logo and the PURPOSE ICON
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