

AMISTAR XTRA Fungicide	Version: 2	Page 1 of 7
APVMA File No. 57949	Packsize: 5L and 20L	14.07.08
Label and leaflet format	Primary Pack Label	

CAUTION

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

Amistar Xtra

FUNGICIDE

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

GROUP **C | K** FUNGICIDE

Controls certain fungal diseases in Barley, Wheat and Peanuts as specified in the Directions for Use

IMPORTANT: Read the attached booklet before use

5 or 20 LITRES

Syngenta Crop Protection Pty Limited
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.: 57949/5 or 20/0708
Item number

**syngenta**

AMISTAR XTRA Fungicide	Version: 2	Page 2 of 7
APVMA File No. 57949	Packsize: 5L and 20L	14.07.08
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STORAGE AND DISPOSAL

Store in 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 empty containers in 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.

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.

MATERIAL SAFETY DATA SHEET

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

MANUFACTURER'S WARRANTY AND EXCLUSION OF LIABILITY

Syngenta has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly and in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. Syngenta accepts no liability for any loss or damage arising from incorrect storage, handling or use.

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APVMA Approval No.: 57949/

Batch No.	
Date of Manufacture	



AMISTAR XTRA Fungicide	Version: 1	Page 3 of 7
APVMA File No. 57949	Packsize: 5L and 20L	14.07.08
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AMISTAR XTRA Fungicide	Version: 1	Page 4 of 7
APVMA File No. 57949	Packsizes: 5L and 20L	14.07.08
Label format		

DIRECTIONS FOR USE

Restraints

Cereals only: DO NOT apply more than 2 applications of AMISTAR XTRA (or any other strobilurin or Group K fungicide) in any one season on the same paddock.
DO NOT exceed a combined total of 800 mL/ha of AMISTAR XTRA in any one season on the same paddock.

Crop	Diseases	Rate/ha	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	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>)	400 to 800 mL	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 750 mL	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.
Wheat	Leaf Rust (<i>Puccinia triticina</i>)	400 to 800 mL	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.

AMISTAR XTRA Fungicide	Version: 1	Page 5 of 7
APVMA File No. 57949	Packsize: 5L and 20L	14.07.08
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	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.

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

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**

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.

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 AMISTAR XTRA 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 AMISTAR XTRA to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity.

AMISTAR XTRA Fungicide	Version: 1	Page 6 of 7
APVMA File No. 57949	Packsizes: 5L and 20L	14.07.08
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GENERAL INSTRUCTIONS

Mixing

AMISTAR XTRA 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 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). 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.

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	C	K	FUNGICIDE
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AMISTAR XTRA Fungicide is a combination of a DMI and a strobilurin and related products fungicide. For fungicide resistance management AMISTAR XTRA is both a Group C and a Group K fungicide.

Some naturally occurring individual fungi resistant to AMISTAR XTRA and other Group C and/or Group K 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 C and/or Group K fungicides, thus resulting in a reduction in efficacy and possible yield loss.

AMISTAR XTRA Fungicide	Version: 1	Page 7 of 7
APVMA File No. 57949	Packsizes: 5L and 20L	14.07.08
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Since the occurrence of resistant fungi is difficult to detect prior to use, Syngenta Crop Protection Pty Ltd accepts no liability for any losses that may result from the failure of AMISTAR XTRA to control resistant fungi.

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.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

HIGHLY TOXIC TO AQUATIC LIFE. DO NOT contaminate dams, waterways or drains with the chemical or used containers.

DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray drift on adjacent areas, particularly wetlands, waterbodies or watercourses.

DO NOT apply AMISTAR XTRA aerially if waterbodies, watercourses or wetlands are within 50 metres downwind of the application area.

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