

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

GENERAL INFORMATION

AMISTAR PRO contains azoxystrobin, a broad spectrum cereal fungicide from the strobilurin group. Azoxystrobin provides protection and long persistence of effect against disease and also moves systemically. It has translaminar properties and is best applied in the earliest stages of disease development, or before infection following an appropriate disease risk assessment or use of an appropriate decision support system. The length of disease control is generally about four to six weeks during the period of active stem elongation, but can be more when applied at flag leaf/ear emergence.

AMISTAR PRO also contains fenpropimorph, a morpholine fungicide with eradicator and curative action.

AMISTAR PRO shows good crop safety, disease control and maintenance of green leaf area which results in significant yield benefits. It is approved for application to wheat and barley before early milk stage (GS73) or 5 weeks before harvest, whichever is sooner and on oats, rye and triticale up to and including watery ripe stage (GS71) or 5 weeks before harvest, whichever is sooner.

RESTRICTIONS

Certain apple varieties are highly sensitive to azoxystrobin. As a precaution AMISTAR PRO should not be applied when there is a risk of spray drift onto neighbouring apple crops. Spray equipment used to apply AMISTAR PRO to other crops should not be used to treat apples.

If AMISTAR PRO is used under poor growing conditions or on crops under stress due to drought, frost, low fertility, waterlogging etc, it may give less reliable results.

DISEASES CONTROLLED

Wheat

Leaf Spot (*Septoria tritici*)

Glume Blotch (*Leptosphaeria* (syn. *Septoria*) *nodorum*)

Yellow Rust (*Puccinia striiformis*)

Brown Rust (*Puccinia recondita*)

Ear Diseases (*Cladosporium* and *Alternaria* species) – moderate control

Can reduce the severity of Take-all (*Gaeumannomyces graminis* var. *Tritici*)

Barley

Powdery Mildew (*Erysiphe graminis hordei*)

Net Blotch (*Pyrenophora teres*)

Brown Rust (*Puccinia hordei*)

Leaf Blotch (*Rhynchosporium secalis*)

Can reduce the severity of Take-all (*Gaeumannomyces graminis* var. *Tritici*)

Oats

Crown Rust (*Puccinia coronata*)

Powdery Mildew (*Erysiphe graminis* f.sp. *avenae*)

F U N G I C I D E

Triticale

Brown Rust (*Puccinia recondita*)

Rhynchosporium – reduction

Powdery Mildew (*Erysiphe graminis*)

Can reduce the severity of Take-all (*Gaeumannomyces graminis* var. *Triticici*)

Rye

Brown Rust (*Puccinia recondita*)

Rhynchosporium

Powdery Mildew (*Erysiphe graminis*)

Can reduce the severity of Take-all (*Gaeumannomyces graminis* var. *Triticici*)

CROP SPECIFIC INFORMATION

AMISTAR PRO can be used on all winter and spring crops of wheat, barley, oats, triticale and rye.

Timing

Always inspect crops to assess disease development immediately before spraying. For optimum disease control apply AMISTAR PRO before infection following a disease risk assessment or the use of appropriate decision support systems, or as soon as disease is first seen within the crop. Where applications of AMISTAR PRO are required to protect against Ear Disease (*Cladosporium* and *Alternaria*) apply at ear emergence.

Take-all

When used to control the listed foliar diseases, AMISTAR PRO applied at the first or second node stage of the crop can reduce the severity of Take-all infection.

Rate of Use

Apply 2.0 litres of product per hectare.

Mixing and Spraying

Ensure that the sprayer is clean and correctly set to give an even application at the required volume. Half-fill the spray tank with clean water and start agitation. Shake the container and add the required amount of AMISTAR PRO to the sprayer using a filling device (e.g. induction bowl or closed transfer unit) or by direct addition to the sprayer tank.

Wash out containers thoroughly, preferably using an integrated pressure rinsing device, or manually rinse three times. Add washings to the sprayer at the time of filling. Complete filling to the required volume and continue to agitate throughout the spraying operation.

Do not leave the spray liquid in the sprayer for long periods (such as during meal breaks or overnight).

Volume of water and spraying

Apply in at least 200 litres of water per hectare using a MEDIUM quality spray (BCPC) at a pressure of at least 2 bar. Apply through conventional crop spraying equipment. In dense crops, increase the water volume to 250–300 litres per hectare to improve coverage.

After spraying

Thoroughly wash out sprayer according to manufacturer's guidelines and dispose of washings and clean containers according to DEFRA Code of Practice and local water authority guidelines.

AGRICULTURAL PRACTICE

RESISTANCE MANAGEMENT

AMISTAR PRO is a co-formulated mixture of the strobilurin azoxystrobin and fenpropimorph. Azoxystrobin is an active ingredient within the QoI fungicide resistance group.

AMISTAR PRO should be used preventatively and should not be relied on for its curative potential.

Use AMISTAR PRO as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate other fungicides with a different mode of action. You must not apply more than two foliar applications of QoI containing products to any cereal crop.

There is significant risk of widespread QoI resistance occurring in *Septoria tritici* populations in the UK. Failure to follow resistance management action may result in reduced levels of disease control.

Strains of barley powdery mildew resistant to QoI's are common in the UK.

In wheat, AMISTAR PRO must always be used in mixture with another product, recommended for control of the same target disease that contains a fungicide from a different cross resistance group and is applied at a dose that will give robust control.

Disease control may be reduced if strains of other pathogens less sensitive to AMISTAR PRO develop.

Users should refer to current FRAG-UK guidelines for QoI compounds.

SHAKE WELL BEFORE USE.

PROTECT FROM FROST.

F U N G I C I D E

SAFETY PRECAUTIONS

(a) Operator protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH ALL PROTECTIVE CLOTHING thoroughly after use especially the insides of gloves.

AVOID ALL CONTACT WITH SKIN AND EYES.

WASH SPLASHES from skin or eyes immediately.

DO NOT BREATHE SPRAY MIST.

WASH HANDS AND EXPOSED SKIN before meals and after work.

IF YOU FEEL UNWELL, seek medical advice (show label where possible).

(b) Environmental protection

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.

(c) Storage and disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.

AMISTAR PRO



HARMFUL



**DANGEROUS
FOR THE
ENVIRONMENT**

AMISTAR PRO is a suspo-emulsion containing 100 g/l (9.81% w/w) azoxystrobin and 280 g/litre fenpropimorph (27.5%)

HARMFUL BY INHALATION.

IRRITATING TO SKIN.

MAY CAUSE SENSITISATION BY SKIN CONTACT.

VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

POSSIBLE RISK OF HARM TO THE UNBORN CHILD.

Keep out of the reach of children.

When using do not eat, drink or smoke.

Keep away from food, drink and animal feeding stuffs.

Wear suitable protective clothing and gloves.

This material and its container must be disposed of in a safe manner.

Use appropriate containment to avoid environmental contamination.

To avoid risks to man and the environment, comply with the instructions for use.

F U N G I C I D E

THE (COSHH) CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS MAY APPLY TO THE USE OF THIS PRODUCT AT WORK

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops	Maximum individual dose (litres/product/hectare)	Maximum total dose (litres/product/hectare/crop)	Latest time of application
Wheat and barley	2	4	Before early milk stage (GS73) or 5 weeks before harvest, whichever is sooner
Oats, rye and triticale	2	4	Up to and including watery ripe stage (GS71) or 5 weeks before harvest, whichever is sooner

Other specific restrictions:

To reduce the risk of resistance developing in target diseases the total number of applications of product containing Qol fungicides made to any cereal crop must not exceed two.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

Syngenta Crop Protection UK Limited, CPC4, Capital Park, Fulbourn, Cambridge CB21 5XE
Tel: Cambridge (01223) 883400

In case of toxic or transport emergency ring 01484 538444 any time