



Aviator²³⁵ Xpro

5L e

leafshield
formulation system



Fungicide

A fungicide for the control of stem-base, foliar and ear diseases in winter and spring wheat, triticale and winter rye and for disease control in winter oilseed rape.

In cereal crops Aviator²³⁵ Xpro can increase chlorophyll content/photosynthesis in treated plants, and extend duration of green leaf area retention, for yield increases above that resulting from disease control alone.

MAPP 15026

An emulsifiable concentrate formulation containing 75 g/L (7.4% w/w) bixafen and 160 g/L (16% w/w) prothioconazole.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

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Safety information

AVIATOR²³⁵_{Xpro}

Contains 75 g/L (7.4% w/w) bixafen and 160 g/L (16% w/w) prothioconazole



Warning

Causes serious eye irritation.

Very toxic to aquatic life with long lasting effects.

May cause respiratory irritation.

Wear protective gloves/protective clothing/eye protection.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Protect from sunlight.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

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

Contains 2-[2-(1-chlorocyclopropyl)-2-hydroxy-3-phenylpropyl]-2,4-dihydro-3H-1,2,4-triazole-3-thione.

May produce an allergic reaction.

IMPORTANT INFORMATION FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops:	Winter and spring wheat, triticale and winter rye and oilseed rape.
Maximum individual dose:	Winter and spring wheat, triticale and winter rye: 1.25 litres product per hectare Oilseed rape: 1.0 L product/ha
Maximum number of treatments:	Two per crop
Latest time of application:	Winter and spring wheat, triticale and winter rye: before grain milky ripe stage. Oilseed rape: 56 days before harvest

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.

PROTECT FROM FROST



aviator235xprods

To access the **Safety Data Sheet** for this product scan the code or use the link below:

www.cropscience.bayer.co.uk/aviator235xprods

or alternatively contact your supplier

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SAFETY PRECAUTIONS

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), FACE PROTECTION (FACESHIELD) AND SUITABLE PROTECTIVE GLOVES) when handling the concentrate.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying the product.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

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

WHEN USING DO NOT EAT, DRINK OR SMOKE.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

WASH HANDS AND EXPOSED SKIN before meals and after work.

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

Do not apply by hand held equipment.

Environmental Protection

Do not contaminate water with the product or its container. (Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads).

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.



DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides

(LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

Storage and Disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

KEEP OUT OF REACH OF CHILDREN
KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

DIRECTIONS FOR USE

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

Aviator²³⁵_{Xpro} is a mixture of bixafen (a SDH Inhibitor) and prothioconazole (a triazolinthione fungicide) recommended for control of a wide range of diseases on winter and spring wheat, triticale and winter rye and winter oilseed rape.

PROTECT FROM FROST

CROPS

Aviator²³⁵_{Xpro} may be used on all commercial varieties of winter and spring wheat, triticale, and winter rye and oilseed rape.

RATE OF USE

Apply Aviator²³⁵_{Xpro} at:

1.25 litre per hectare in winter and spring wheat, triticale and winter rye.

1.0 litre per hectare in oilseed rape

The maximum number of treatments is two per crop.

APPLICATION

Water volume

Apply Aviator²³⁵_{Xpro} in 100-300 litres water per hectare. The higher spray volumes are recommended where the crop is dense or disease pressure / risk is high to ensure good penetration to the lower leaves and stem bases. Disease control may be compromised by reducing water volumes, where good spray coverage is difficult to achieve.

A spray pressure of 2-3 bar is recommended.

Spray quality

Apply as a MEDIUM spray quality (as defined by BCPC).

Latest Permitted Timing

In wheat, triticale and rye Aviator²³⁵_{Xpro} may be applied at any stage before grain milky ripe stage. In oilseed rape Aviator²³⁵_{Xpro} may be applied up to 56 days before harvest.

Mixing

Thoroughly shake the pack before use.

Add the required quantity of Aviator²³⁵_{Xpro} to the half-filled spray tank with the agitation system in operation and then fill to the required level. Continue agitation at all times during spraying and stoppages until the tank is completely empty. Spray immediately after mixing.

General

Sprayers should be thoroughly cleaned with water and detergent after use, and filters and jets checked for damage and blockages.

Boom height should be adjusted to ensure even coverage of the crop, particularly at later growth stages. The correct height is one at which the spray from alternate nozzles meets just above the crop. In dense crops, at later growth stages, higher water volumes should be used.

DISEASES CONTROLLED.

Wheat and triticale

Eyespot (wheat only -reduction of the incidence and severity), *Septoria* (leaf and glume blotch), powdery mildew, yellow rust, brown rust, tan spot (in wheat), ear disease complex (*Fusarium* ear blight) and reduction of sooty moulds.

Rye

Powdery mildew, brown rust, *Rhynchosporium*.

Winter oilseed rape

Light leaf spot, Phoma leaf spot and Stem canker and *Sclerotinia* stem rot.

APPLICATION TIMING

In cereal crops Aviator²³⁵_{Xpro} can increase chlorophyll content/photosynthesis in treated plants, and extend duration of green leaf area retention, for yield increases above that resulting from disease control alone.

Eyespot (*Oculimacula* spp.)

Spray in the spring at the first sign of disease, from when the leaf sheaths begin to become erect until the 2nd node is detectable (GS 30-32).

Septoria Leaf Blotch and Glume Blotch (*Mycosphaerella graminicola* and *Stagonospora nodorum*)

Apply before disease is established in the crop. To protect the upper leaves and ear apply Aviator²³⁵_{Xpro} at full flag leaf emergence (GS 37) up to mid-flowering (GS 65). Where disease pressure remains high application may be repeated.

Applications to upper leaves where *S. tritici* symptoms are present are likely to be less effective.

Aviator²³⁵_{Xpro} contains a DMI fungicide. Resistance to some DMI fungicides has been identified in *Septoria* leaf blotch (*Mycosphaerella graminicola*) which may seriously affect the performance of some products. For further advice on resistance management in DMI's contact your agronomist or specialist advisor, and visit the FRAG-UK website.

Powdery Mildew (*Blumeria graminis*)

Apply Aviator²³⁵_{Xpro} at the first signs of disease. Where disease pressure remains high application may be repeated.

Yellow Rust (*Puccinia striiformis*)

Apply Aviator²³⁵_{Xpro} at the first signs of disease. A second application may be made 2-3 weeks later if re-infection occurs. Applications made to established infections are likely to be less effective.

Brown Rust (*Puccinia triticina*, *P. recondita*)

Apply Aviator²³⁵_{Xpro} at the first signs of disease. A second application may be made 2-3 weeks later if re-infection occurs. Applications made to established infections are likely to be less effective.

Tan Spot (*Pyrenophora tritici-repentis*)

Apply Aviator²³⁵_{Xpro} at the first signs of disease in spring or early summer. Where disease pressure remains high application may be repeated.

Ear Disease Complex

Apply Aviator²³⁵_{Xpro} soon after ear emergence until the end of flowering (GS 59-69) for control of *Fusarium* ear blight in wheat and reduction of sooty moulds. Control of ear diseases can result in cleaner, brighter ears.

Leaf Blotch (*Rhynchosporium secalis*)

Apply Aviator²³⁵_{Xpro} in spring at the first signs of disease. For severe infections a second application may be necessary 2-3 weeks later.

WINTER OILSEED RAPE

Light Leaf Spot

Apply Aviator²³⁵_{Xpro} in autumn/winter (usually late October to early December) protectively.

Follow up spray(s) may be required in early spring from the onset of stem elongation, depending on disease development.

Phoma Leaf spot/Stem Canker

Apply Aviator²³⁵_{Xpro} in autumn at the first sign of disease. Repeat application in late autumn/winter, if disease symptoms reoccur.

Sclerotinia stem rot (*Sclerotinia sclerotiorum*).

Apply Aviator²³⁵_{Xpro} at early to full flower Spring oilseed rape (QUALIFIED MINOR USE RECOMMENDATION) Aviator²³⁵_{Xpro} can also be used on varieties of spring oilseed rape but crop safety has not been fully established

RESISTANCE STRATEGY

Tank mixtures or alternation with fungicides having a different mode of action against the diseases present have been shown to protect against the development of resistant forms of disease.

No more than two applications of SDH inhibitors must be applied to the same cereal crop.

Bixafen is a SDH inhibitor and prothioconazole is a triazolinthione (DMI fungicide).

Strains of Light Leaf Spot resistant to DMI fungicides are known to exist. To avoid development of resistance apply product protectively in response to disease forecasts. Where possible, when Light Leaf Spot is present, avoid the use of DMI based fungicides when targeting other diseases such as Sclerotinia at mid flowering.

CAUTION: The possible development of disease strains resistant to Aviator²³⁵_{Xpro} cannot be excluded or predicted. Where such resistant strains occur, Aviator²³⁵_{Xpro} is unlikely to give satisfactory control. For the latest advice on resistance management contact your agronomist or specialist advisor and visit the FRAG-UK website.

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