



syngenta®

Product registration number: MAPP 19211.

QUADRIS® is a suspension concentrate containing 250 g/litre (23.1% w/w) of azoxystrobin

A broad spectrum fungicide for wheat, barley and triticale.



SAFETY PRECAUTIONS

(a) Operator protection

WASH SPLASHES from skin or eyes immediately.

DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN before meals and after work.

(b) Environmental protection

Avoid drift on to non-target plants.

To protect aquatic life, for uses on crops broccoli, calabrese, Brussel sprouts, cabbage, cauliflower, collards, lettuce and kale, the maximum total dose applied must not exceed 500 g Azoxystrobin per hectare per year.

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 waterbody, unless a Local Environmental 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. DO NOT ALLOW DIRECT SPRAY from hand held sprayers to fall within 1 m of the top of the bank of a static or flowing waterbody. Aim spray away from water.

This product qualifies for inclusion within the Local Environmental 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 published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for inspection for three years.

(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.

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

In case of toxic or transport emergency ring +44 (0)1484 538444 any time

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SHAKE WELL BEFORE USE.
PROTECT FROM FROST.

This product label is compliant with the
CPA Voluntary Initiative (VI) guidance.



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QUADRIS®

A suspension concentrate containing 250 g/litre (23.1% w/w) azoxystrobin.

**Warning**

Harmful if inhaled.

Very toxic to aquatic life with long lasting effects.

Avoid breathing dust/fumes/gas/mist/vapours/spray.

Use only outdoors or in a well-ventilated area.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/ doctor if you feel unwell.

Collect spillage.

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 1,2-benzisothiazol-3-one. May produce an allergic reaction.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL FUNGICIDE

Crop	Maximum individual dose (litres product/ha)	Maximum number of treatments (per crop)	Minimum spray interval (days)	Latest time of application
Wheat and triticale	1	2	14	Before watery ripe stage (GS 71)
Barley	1	2	14	Before beginning of flowering (GS 61)

Other Specific Restrictions:

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

**A maximum total dose of 500g azoxystrobin must not be exceeded within a 12 month period on the same field.

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.

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PROTECT FROM FROST.
SHAKE WELL BEFORE USE.

This leaflet is part of the approved Product Label.

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

QUADRIS® contains azoxystrobin, a broad spectrum fungicide from the strobilurin group. It has systemic, translaminar and protectant properties.

Azoxystrobin inhibits fungal respiration. Its mode of action is different from the action of other fungicidal groups. It should always be used in mixture with fungicides with other modes of action.

QUADRIS shows good crop safety, disease control and maintenance of green leaf area which result in significant yield benefits.

QUADRIS is best used as a protective treatment or during early stages of disease establishment. In cereals, 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.

QUADRIS is approved for application to wheat, barley and triticale.

RESTRICTIONS

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

Apply QUADRIS under good growing conditions with adequate soil moisture. Avoid poor growing conditions which may give less reliable results.

DISEASES CONTROLLED

Wheat

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

Yellow Rust (*Puccinia striiformis*)

Brown Rust (*Puccinia recondita*)

Ear Diseases (*Cladosporium*, *Alternaria*)

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

Barley

Net Blotch (*Pyrenophora teres*)

Brown Rust (*Puccinia hordei*)

Leaf Blotch (*Rhynchosporium secalis*) – reduction

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

Triticale

Brown Rust (*Puccinia recondita*)

Leaf Blotch (*Rhynchosporium secalis*) - reduction

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

CROP SPECIFIC INFORMATION

CROPS

QUADRIS is approved for application to wheat, barley and triticale.

WINTER & SPRING WHEAT, WINTER AND SPRING BARLEY & TRITICALE

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 or the use of appropriate decision support systems.

Winter and spring wheat and triticale can be treated from BBCH 30 -69.

Winter and Spring barley can be treated from BBCH 30-59.

For protection against ear disease (*Cladosporium* and *Alternaria*) apply QUADRIS at ear emergence.

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

Rate Of Use

1.0 litre per hectare.

The maximum number of applications to any cereal crop is two per crop

Tank Mixing

On cereal crops, QUADRIS 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.

Resistance Management

Use QUADRIS 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.

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

On cereal crops, QUADRIS 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.

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

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 QUADRIS 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

OUTDOOR CROPS

Apply using a medium quality spray (BCPC) at a pressure of at least 2 bar. Apply through conventional crop spraying equipment calibrated to give an even application at the correct volume.

Cereals Apply in at least 200 litres of water per hectare

In dense crops, increase the water volume to improve coverage

AFTER SPRAYING

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

COMPANY ADVISORY INFORMATION

This information is not part of the approved label under the Plant Protection Product Regulations (2003) but provides additional Company advice on the product use.

Good Field Practice

As part of our Product Stewardship policy, Syngenta UK Ltd recommend the following precautions should also be observed:

- Wear appropriate clothing - coveralls and protective gloves, when handling the concentrate.

Agricultural Practice

Integrated Crop Management

Laboratory data indicate that when used as directed QUADRIS has no adverse effects on the following beneficial species.

Earthworm (*Eisenia fetida*); Bees (*Apis* and *Bombus* spp.); Parasitic Wasps (*Trichogramma cacoeciae*, *Aphidis* spp. and *Encarsia formosa*); Aphid Predators (*Coccinella septempunctata*, *Chrysoperia carnea*, *Episyrphus balteatus*); Predatory mites (*Phytoseiulus persimilis*, *Amblyseius degenerans*); Spider (*Pardosa* spp.); Predatory bugs (*Macrolophus caliginosus*, *Orius laevigatus*); Carabid Beetle (*Poecilus cupreus*).

Resistance Management

QUADRIS contains azoxystrobin a member of the QoI cross resistance group. QUADRIS should be used preventatively and should not be relied on for its curative potential. Disease control may be reduced if strains of pathogens less sensitive to azoxystrobin develop.

Use QUADRIS 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.

To avoid the likelihood of resistance developing, application of QUADRIS should be made with due regard to current FRAG-UK guidelines for QoI compound

This product is to be used only in accordance with the recommendations and instructions given on the labels provided with this pack.