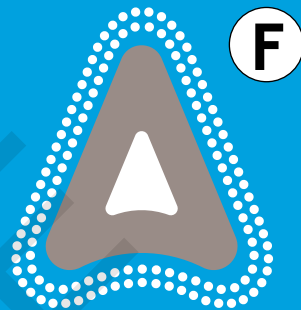


# KANSAS<sup>®</sup>

MAPP 19292

A broad-spectrum fungicide for wheat and barley.

A suspension concentrate containing  
200 g/l azoxystrobin and 80 g/l cyproconazole.



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ADAMA



Scan for Safety Data Sheet or use weblink:  
<https://bit.ly/2tIKkzn>

FR R3.0 JAN20



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## Danger

**Harmful if swallowed.**

**Harmful if inhaled.**

**May damage the unborn child.**

**Very toxic to aquatic life with long lasting effects.**

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

Keep out of reach of children.

Avoid breathing vapours/spray.

Do not eat, drink or smoke when using this product.

Wear protective gloves.

If exposed or concerned: Get medical advice/attention.

Call a POISON CENTRE or doctor/physician 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.**

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# KANSAS<sup>®</sup>

## MAPP 19292

### SHAKE WELL BEFORE USE

### PROTECT FROM FROST

### DIRECTIONS FOR USE:

full instructions in this leaflet.

Batch No.: see packaging

**Adama Agricultural Solutions UK Ltd**

Third Floor East, 1410 Arlington Business Park, Theale, Reading RG7 4SA

**Telephone:** 01635 860555 | **Technical Helpline:** 01635 876622

**www.adama.com** | **ukenquiries@adama.com**

**For advice on medical emergencies, fires or major spills telephone the National Chemical Emergency Centre on 01865 407333**

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

OPEN HERE ►

## SAFETY PRECAUTIONS

### Operator Protection

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

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate.

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

WASH SPLASHES from skin and eyes immediately.

DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN before meals and after work.

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

### 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.

### 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.

DO NOT RE-USE CONTAINER FOR ANY PURPOSE.

## IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crop	Maximum individual dose (litres product per hectare)	Maximum total dose (litres product/ha/crop)	Latest time of application
Winter wheat and spring wheat	1.0	2	Up to and including anthesis complete (GS 69)
Winter barley and spring barley	1.0	2	Up to and including emergence of ear complete (GS 59)

### 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.

**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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## This leaflet is part of the approved label.

For advice on medical emergencies, fires or major spills telephone  
the National Chemical Emergency Centre on 01865 407333

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### A broad-spectrum fungicide for wheat and barley.

A suspension concentrate containing 200 g/l azoxystrobin and 80 g/l cyproconazole.

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

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Call a POISON CENTRE or doctor/physician 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.**

## IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crop	Maximum individual dose (litres product per hectare)	Maximum total dose (litres product/ ha/crop)	Latest time of application
Winter wheat and spring wheat	1.0	2	Up to and including anthesis complete (GS 69)
Winter barley and spring barley	1.0	2	Up to and including emergence of ear complete (GS 59)

### 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.**

## SAFETY PRECAUTIONS

### Operator Protection

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

WEAR 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 SPLASHES from skin and eyes immediately.  
DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN before meals and after work.

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

### 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.

### 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.

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.

## GENERAL INFORMATION

KANSAS® is a suspension concentrate containing 200 g/l azoxystrobin and 80 g/l cyproconazole.

KANSAS contains both a triazole and a strobilurin fungicide. It has contact and systemic activity, with protectant properties for the control of a wide range of diseases in all commercial varieties of winter and spring wheat and winter and spring barley.

## DISEASES CONTROLLED

### Wheat

Leaf spot (*Zymoseptoria tritici*)

Glume blotch (*Septoria nodorum*)

Yellow rust (*Puccinia striiformis*)

Brown rust (*Puccinia recondita*)

Eyespot (*Tapesia yellundae* and *Tapesia acuformis*) - useful reduction

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

When used to control other diseases, KANSAS will also control wheat powdery mildew.

### Barley

Leaf blotch (*Rhynchosporium secalis*) - moderate control

Net blotch (*Pyrenophora teres*)

Powdery mildew (*Erysiphe graminis hordei*)

Brown rust (*Puccinia hordei*)

Eyespot (*Tapesia yellundae* and *Tapesia acuformis*) - useful reduction

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

## CROP SPECIFIC INFORMATION

### WHEAT and BARLEY

#### Spray timing

Treatment at early stages of disease development will ensure the best results. Apply at first sign of disease attack. A further application may be needed if disease attack is prolonged.

#### Take-all

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

#### **Rate of use**

1 litre per hectare

#### **Resistance management**

Use KANSAS 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.

KANSAS contains a DMI fungicide. Resistance to some DMI fungicides has been identified in *Septoria* leaf blotch (*Zymoseptoria tritici*) which may seriously affect the performance of some products. For further advice on resistance management in DMIs contact your agronomist or specialist advisor, and visit the FRAG-UK website. Failure to follow resistance management action may result in reduced levels of disease control.

Strains of wheat and barley powdery mildew resistant to QoI's are common in the UK. Control of wheat powdery mildew can only be relied upon from the triazole component. Where specific control of wheat mildew is required, this should be achieved through a programme of measures, including products with recommendations for control of mildew that contain different active substances used in mixture or sequence.

## 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 KANSAS 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 a recommended 200 litres of water per hectare.

Use a **medium quality spray (BCPC) at a pressure of at least 2 bar**. Apply through conventional crop spraying equipment.

## AFTER SPRAYING

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

Crops should not be re-entered until spray residues are dry.

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## COMPANY ADVISORY INFORMATION

This section is not part of the Product Label under Regulation (EC) 1107/2009 and provides additional advice on product use.

## RESTRICTIONS

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

## RESISTANCE MANAGEMENT

KANSAS is a co-formulated mixture of the strobilurin azoxystrobin and triazole cyproconazole.

KANSAS contains active ingredients within the SBI and Qol fungicide resistance groups. The two active ingredients possess different modes of action thus form part of a resistance management strategy.

KANSAS contains azoxystrobin a member of the Qol cross resistance group. KANSAS should be used preventatively and should not be relied on for its curative potential.

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

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

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## DISCLAIMER/CONDITIONS OF SUPPLY

The specified properties of our products and the mode of application stated on this label have been established on the basis of research and experience. Products conform to specification at the time of delivery but, as we exercise no control over their subsequent storage, handling, mixing or use or the weather conditions before, during and after application, all of which may affect the performance of the products, no responsibility or liability will be accepted by us or our re-sellers for any failure in performance, damage or injury to person or property whatsoever arising from the storage, handling, application or use of the products. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in or make recommendations concerning the use of such products. We recommend you contact your dealer to request advice on the suitability of this product for any new and/or unusual growing methods or for new varieties not listed on this label.

## Marketed by

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