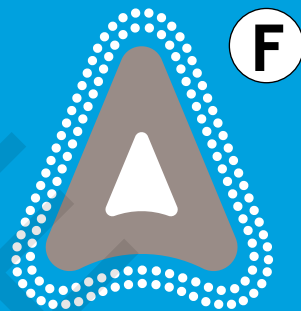


# CEBARA<sup>®</sup>

MAPP 18569

A fungicide for the control of net blotch, *Rhynchosporium secalis*, *Ramularia collo-cyni*, brown rust and powdery mildew on winter and spring barley.

An emulsifiable concentrate containing 187.5 g/l cyprodinil (18.3% w/w) and 62.5 g/l isopyrazam (6.1% w/w). Also contains solvent naphtha.



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ADAMA



Scan for Safety Data Sheet or use weblink:  
<https://bit.ly/2LxS0qR>

FR 3.0.1 AUG19



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## Danger

**May be fatal if swallowed and enters airways.**  
**Harmful if inhaled.**  
**Suspected of damaging fertility or the unborn child.**  
**Very toxic to aquatic life with long lasting effects.**  
**Contains isopyrazam and cyprodinil. May produce an allergic reaction.**

Keep out of reach of children.  
Do not breathe spray.  
Do not eat, drink or smoke when using this product.  
Use personal protective equipment as required.  
IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
If exposed or concerned. Get medical advice/attention.  
Do NOT induce vomiting.  
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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# CEBARA®

## MAPP 18569

### 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 control 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 or contaminated surfaces.  
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 immediately.  
WASH HANDS AND EXPOSED SKIN before meals and after work.

### Environmental Protection

To protect aquatic organisms, respect an unsprayed buffer zone distance 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 astatic 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. 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 HSE's 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.

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

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.  
KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.  
EMPTY CONTAINER COMPLETELY and dispose of safely.

## IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL FUNGICIDE

**Crops:** Winter & spring barley.

**Maximum individual dose (litres/ha)**  
**Maximum number of applications**  
**Latest time of application**  
**Aquatic buffer zone distance (metres)**  
**Other specific restrictions**

Full details are given in the information box within this leaflet

**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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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/hectare)	Maximum number of applications	Latest time of application	Aquatic buffer zone distance (metres)	Comments
Winter barley and spring barley	2.0	2 per crop	Before beginning of flowering: first anthers visible (GS 61)	5	See Safety Precautions

## Other specific restrictions:

- (1) No more than 2 applications of products containing a SDHI must be applied to any cereal crop.
- (2) This product must not be applied via hand-held equipment.
- (3) Do not handle treated crops for at least 24 hours after treatment.
- (4) The earliest application timing is GS 30, the second application must be after GS 40.

**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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## 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

Isopyrazam is an orthosubstituted pyrazole carboxamide fungicide belonging to the sub-class of the benzenorbornenes. Cyprodinil is from the pyrimidinamine group of chemicals.

CEBARA® is predominantly protectant but has significant biological potency and can deliver disease control away from the point of application.

Isopyrazam is an SDH respiration inhibitor (FRAC group #7 carboxamides). No cross resistance to any compound of a different fungicide class is expected.

Cyprodinil inhibits methionine biosynthesis (FRAC group #D1 pyriminadines). No cross resistance to any compound of a different fungicide class has yet been identified or is expected.

CEBARA shows excellent crop safety and disease control which results in significant yield benefits.

CEBARA is best used as a protectant treatment or in the earliest stages of disease development. The length of disease control is generally about four to six weeks during the period of active stem elongation.

### RESISTANCE MANAGEMENT

Use CEBARA 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 products containing an SDH inhibitor to any cereal crop.

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

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

### DISEASES CONTROLLED

#### Winter and Spring Barley

Net blotch (*Pyrenophora teres*)

Brown rust (*Puccinia hordei*)

*Ramularia collo-cygni*

Leaf blotch (*Rhynchosporium secalis*)

Powdery mildew (*Erysiphe graminis hordei*)

### CROP SPECIFIC INFORMATION

#### Crops and growing conditions

CEBARA can be used on all varieties of winter and spring barley. Apply CEBARA under good growing conditions with adequate soil moisture. Avoid poor growing conditions which may give less reliable results.

#### Timing

Always inspect crops to assess disease development immediately before spraying. Best results will be achieved from applications made as a protectant treatment or in the earliest stages of disease development following a disease risk assessment or the use of appropriate decision support systems.

CEBARA is accepted by BBPA (British Beer and Pub Association) for use on malting barley provided application is made before the beginning of flowering (GS 61). Latest timing in malting barley is, therefore, up to and including, complete ear emergence (GS 59).

#### RATE OF USE

Apply CEBARA at 2.0 litres per hectare

#### FOLLOWING CROPS

There are no restrictions on succeeding crops in a normal rotation.

## MIXING AND SPRAYING

### Mixing Procedure

Make sure the sprayer is set to give an even application at the correct volume. Fill the spray tank with half the required volume of water and begin agitation. Add the required amount of CEBARA to the spray tank and allow to disperse before adding any other product. Add the rest of the water and continue to agitate the mixture thoroughly. Always agitate during spraying.

### Spray Quality

Apply CEBARA using a conventional fan nozzle producing a medium spray quality at as defined by the British Crop Protection Council. A spray pressure of 2-3 bar is recommended.

### Spray Volume

Apply CEBARA in a recommended 150-300 litres of water per hectare through conventional crop spraying equipment.

### 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.

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

## 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

Adama Agricultural Solutions UK Ltd  
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