

BONTIMA[®]

PCS 05033

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

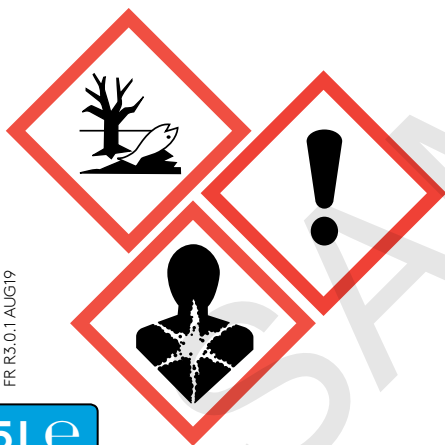
An emulsifiable concentrate containing 187.5 g/l cyprodinil (18.3% w/w) and 62.5 g/l isopyrazam (6.1% w/w). Also contains solvent naphtha.



ADAMA



Scan for Safety Data Sheet or use weblink:
<https://bit.ly/2LAzn1m>



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SAFETY INFORMATION

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.

Do not handle until all safety precautions have been read and understood.
Avoid breathing vapours/spray.
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.
Call a Poison Centre or doctor/physician if you feel unwell.
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 triple rinsed empty, clean containers which can be disposed for as non-hazardous waste.
To protect aquatic organisms respect an unsprayed buffer zone of 5 m to surface water bodies.
Direct spray away from water.
To avoid risks to human health and the environment, comply with the instructions for use.

PCS 05033

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BONTIMA®**PCS 05033****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: +44 (0)1635 860555**Technical Helpline:** +44 (0)1635 876622**www.adama.com | ukenquiries@adama.com****For advice on medical emergencies, fires or major spills
telephone the UK National Chemical Emergency Centre
on +44 (0)1865 407333****ADDITIONAL SAFETY
INFORMATION****Operator protection**

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate or contaminated surfaces.

WASH SPLASHES from skin immediately.

WASH HANDS AND EXPOSED SKIN before meals and after work.

FOR APPLICATION BY TRACTOR MOUNTED/
TRAILED SPRAYER.**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

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

Crop	Maximum individual dose (litres/hectare)	Maximum number of applications	Maximum total dose (litres/hectare/crop)	Latest time of application
Winter and spring barley	2.0	Two per crop	4.0	Before beginning of flowering: first anthers visible (GS 61)

Other specific restrictions:

A maximum of two foliar applications of product(s) containing SDHIs can be applied to any cereal crop. Earliest timing of application is GS 30, second application must be after GS 40.

This leaflet is part of the approved label.

For advice on medical emergencies, fires or major spills telephone
the UK National Chemical Emergency Centre on +44 (0)1865 407333

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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 benzonorbornenes. Cyprodinil is from the pyrimidinamine group of chemicals.

BONTIMA® 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.

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

BONTIMA 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

BONTIMA should be used in accordance with the instructions for use for the target diseases at the specific growth stages indicated. Use BONTIMA 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.

For further advice on resistance management, contact your agronomist or specialist advisor and visit the FRAG-UK website.

You must not apply more than two foliar applications of products containing an SDH inhibitor to any cereal crop. Mixtures of two or more SDHI fungicides do not provide an anti-resistance strategy. Each application of such a mixture counts as one SDHI application.

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

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

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

Time of application

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.

BONTIMA 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 BONTIMA 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 BONTIMA 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 BONTIMA using a conventional fan nozzle producing a medium spray quality. A spray pressure of 2-3 bar is recommended.

Spray volume

Apply BONTIMA in a recommended 100-400 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 local regulations.

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

COMPATIBILITY

For information on the approval status for use in tank-mixtures consult your supplier.

The products should be added separately to the bulk of water in the spray tank. Continuous agitation should be maintained and the products used immediately after mixing.

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
Third Floor East, 1410 Arlington Business Park
Theale, Reading RG7 4SA
Technical Helpline: +44 (0)1635 876622
www.adama.com
Email: ukenquiries@adama.com

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