

# Bugle®



## MAPP 17821

An emulsifiable concentrate containing 59.4 g/litre (5.7% w/w) fluxapyroxad. A systemic fungicide for use in winter wheat, spring wheat, durum wheat, winter barley, spring barley, triticale, rye and oats.

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

### 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 AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

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

IF SWALLOWED, seek medical advice immediately and show this container or label.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before meals and after work.

#### 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

DO NOT RE-USE CONTAINER for any other purpose. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

STORE 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.

Store in a suitable pesticide store. Keep dry and protect from frost.

**This label is compliant with the CPA Voluntary Initiative Guidance**

#### Supplied by:

BASF plc, 4th and 5th Floors, 2 Stockport Exchange, Railway Road, Stockport, SK1 3GG  
Telephone: 0161 475 3000

Emergency Information (24 hours freephone):  
0049 180 227 3112

Technical Enquiries: 0845 602 2553  
(office hours)

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59.4 g/litre (5.7 % w/w) fluxapyroxad.

## Warning

**Causes serious eye irritation.**

**Harmful if inhaled.**

**May cause harm to breast-fed children.**

**Toxic to aquatic life with long lasting effects.**

Use only outdoors or in a well-ventilated area.

If medical advice is needed, have product container or label at hand.

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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Call a POISON CENTRE or doctor/physician.

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.

Contains propanoic acid, 2-hydroxy-, 2-ethylhexyl ester, (2S)-. May cause an allergic reaction.

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



## IMPORTANT INFORMATION

**FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE, as directed below:**

Crops	Maximum individual dose	Maximum number of treatments	Latest time of application
Wheat (winter) Wheat (spring) Wheat (durum) Triticale Rye Barley (winter) Barley (spring) Oats	2 litres product/ha	2 per crop	Up to and including flowering (anthesis) just complete (GS 69)

**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.**

## 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.

## Restrictions/Warnings

Avoid spray drift on to neighbouring crops.

When applied to barley intended for malting, refer to the latest timing restrictions for flusapyroxad given by the British Beer and Pub Association.

After spraying, wash out sprayer thoroughly according to manufacturer's guideline and dispose of washings and clean container according to DEFRA Code of Practice and local authority guidelines.

## Disease control

Bugle is a fungicide with protectant and systemic properties for use in winter and spring wheat, durum wheat, winter and spring barley, oats, rye and triticale for disease control as summarised below.

In addition, when applied for disease control this product may increase green leaf area retention of wheat, barley, rye and triticale.

	Winter wheat	Spring wheat	Winter barley	Spring barley	Durum wheat	Oats	Rye	Triticale
<i>Septoria tritici</i>	C	C	-	-	C	-	-	C
Brown rust	C	C	C	C	C	-	C	C
Yellow rust	MC	MC	MC	MC	MC	-	MC	MC
Crown rust	-	-	-	-	-	C	-	-
Net blotch	-	-	C	C	-	-	-	-
<i>Rhynchosporium</i>	-	-	C	C	-	-	C	-
Powdery mildew	R	R	R	-	R	R	R	R
Tan spot	R	R	-	-	R	-	-	-

C = Control

MC = Moderate Control

R = Reduction

## Resistance Management

**GROUP**

**7**

**FUNGICIDE**

In order to minimise risk of resistance development, Bugle should always be used in mixture with products with a different mode of action at a dose that will give robust control.

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

Use Bugle as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control.

You must not apply more than two foliar applications of products containing complex II inhibitors to any cereal crop.

Visit the FRAG-UK website for further advice on resistance management of cereal fungicides.

## Crop Specific Information

For use in all varieties of winter and spring wheat, durum wheat, winter and spring barley, oats, rye and triticale.

### Time of Application

Apply Bugle at the start of disease attack. A maximum of 2 applications can be made up to and including flowering (anthesis) just complete in winter and spring wheat, durum wheat, winter and spring barley, rye, triticale, and oats.

### Rate of Application

Apply Bugle at 2 litres of product per hectare in a water volume of 150 to 300 litres of water per hectare.

### Qualified recommendation

Bugle may be applied at 2 litres per hectare in 100 litres water per hectare although efficacy at this reduced volume has not been evaluated. Therefore application at 100 litres water per hectare is at user's risk with regard to biological efficacy.

## Following Crops

After treating a cereal crop with Bugle: barley, cabbages, carrots, chicory, clover, dwarf beans, field beans, leeks, lettuces, linseed, maize, oats, oilseed rape, onions, peas, potatoes, radishes, ryegrass, soya beans, spinach, sugar beet, sunflowers, triticale and wheat may be sown as the following crop.

## Mixing and Application

### Mixing

Half fill the spray tank with clean water and start agitation.

Shake the container well before use and pour in the required amount of product.

Rinse empty containers thoroughly and add rinsings to the spray tank.

Add the remainder of the water and continue agitation until spraying is complete.

When tank mixes are to be used, each product should be added separately to the spray tank, taking due note of any instructions given as to the order of mixing.

## Application

Apply as a **MEDIUM** spray, as defined by BCPC.

## Compatibility

For details of compatibilities contact your distributor, local BASF representative or the BASF Technical Services Hotline: 0845 602 2553 or visit our website on: [www.agricentre.basf.co.uk](http://www.agricentre.basf.co.uk)

## The following does not form part of the authorised label text.

With many products there is a general risk of resistance developing to the active ingredients. For this reason a change in activity cannot be ruled out. It is generally impossible to predict with certainty how resistance may develop because there are so many crop and use connected ways of influencing this. We therefore have to exclude liability for damage or loss attributable to any such resistance that may develop. To help minimise any loss in activity the BASF recommended rate should in all events be adhered to.

Numerous, particularly regional or regionally attributable, factors can influence the activity of the product. Examples include weather and soil conditions, crop plant varieties, crop rotation, treatment times, application amounts, admixture with other products, appearance of organisms resistant to active ingredients and spraying techniques. Under particular conditions a change in activity or damage to plants cannot be ruled out. The manufacturer or supplier is therefore unable to accept any liability in such circumstances. All goods supplied by us are of high grade and we believe them to be suitable, but as we cannot exercise control over their mixing or use or the weather conditions during and after application, which may affect the performance of the material, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use; but nothing should be deemed to exclude or restrict any liability upon us which cannot be excluded or restricted under the provisions of the Unfair Contract Terms Act 1977 or any similar applicable law.

## Section 6 of the Health and Safety at Work Act

### Additional Product Safety Information

The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has "off-label" approval or is otherwise permitted under the Plant Protection Product Regulations (EC) No 1107/2009.

The information on this label is based on the best available information including data from test results.

## Great Britain Safety Data Sheet

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



[agricentre.basf.co.uk/Bugle/MSDS](http://agricentre.basf.co.uk/Bugle/MSDS)

Alternatively, contact your supplier.

## Northern Ireland Safety Data Sheet

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



[agricentre.basf.co.uk/Bugle-NI/MSDS](http://agricentre.basf.co.uk/Bugle-NI/MSDS)

Alternatively, contact your supplier.

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