



Gemstone[®]



MAPP 16298

A suspo-emulsion containing 80 g/litre (7.6% w/w) pyraclostrobin plus 62.5 g/litre (6% w/w) epoxiconazole.

A protectant and systemic fungicide with curative properties for use in winter wheat, winter barley, spring wheat, spring barley, durum wheat, oats, rye and triticale.

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 CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate or 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.

AVOID ALL CONTACT WITH SKIN.

WASH HANDS AND EXPOSED SKIN before meals and after work.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

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

Environmental protection

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 metres of the top of the bank of a static or flowing water body, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 metre from 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 Environment 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's published guidance or the statutory buffer zone must be maintained.

The results of the LERAP must be recorded and kept available for three years.

Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

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 container safely.

DO NOT RE-USE CONTAINER for any other purpose.

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

This label is compliant with the CPA Voluntary Initiative Guidance



© Registered trademark of BASF

811 36518 GB 1089



5 L

Supplied by: BASF plc, Agricultural Solutions
PO Box 4, Earl Road, Cheadle Hulme, CHEADLE,
Cheshire SK8 6QG, Tel: 0161 485 6222

Emergency Information: (24 hours freephone): 0049 180 2273112
Technical Enquiries: 0845 602 2553 (office hours)

Gemstone®

A suspo-emulsion containing 80 g/litre (7.6% w/w)
pyraclostrobin plus 62.5 g/litre (6% w/w)
epoxiconazole.

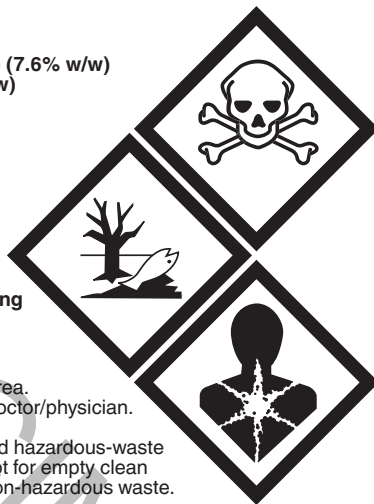
Danger

Toxic if swallowed.
May cause an allergic skin reaction.
Harmful if inhaled.
Suspected of causing cancer.
May damage the unborn child.
Suspected of damaging fertility.
Very toxic to aquatic life with long lasting effects.

Wear protective gloves/clothing.
Do not breathe the mist or vapour.
Use only outdoors or in a well-ventilated area.
Immediately call a POISON CENTER or doctor/physician.
Store locked up.
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.

Repeated exposure may cause skin dryness or cracking.

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



IMPORTANT INFORMATION

FOR USE ONLY AS AN HORTICULTURAL FUNGICIDE, as directed below:

Crop	Maximum Individual Dose	Maximum Number of Treatments	Latest Time of Application
Winter and spring wheat, durum wheat, rye and triticale	2 litres product per hectare	2 per crop	Up to and including flowering complete (GS 69)
Winter and spring barley Oats	2 litres product per hectare	2 per crop	Up to and including emergence of ear just complete (GS 59)

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.

Gemstone is a fungicide with protectant, systemic and curative properties for use in winter and spring wheat, durum wheat, winter and spring barley, oats, rye and triticale. Yield response may be obtained in the absence of visual disease.

Restrictions/Warnings

Extreme care must be taken to avoid drift onto nearby crops.

Wash equipment thoroughly after use.
This product may cause damage to broad-leaved plant species.
Consult processor before use.

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

Disease control

Gemstone is a fungicide with protectant, systemic and curative properties for use in winter and spring wheat, durum wheat, winter and spring barley, oats, rye and triticale. Disease control is summarised below:

	Winter Wheat	Spring Wheat	Durum Wheat	Winter Barley	Spring Barley	Oats	Rye	Triticale
<i>Septoria tritici</i>	C	C	C	---	---	---	---	C
<i>Septoria nodorum</i>	C	C	C	---	---	---	---	C
Powdery mildew	---	---	---	C	C	C	C	---
Yellow rust	C	C	C	C	C	---	C	C
Brown rust	C	C	C	C	C	---	C	C
Net blotch	---	---	---	C	C	---	---	---
Rhynchosporium	---	---	---	C	C	---	C	---
Crown rust	---	---	---	---	---	C	---	---
Tan spot	C	C	C	---	---	---	---	---
Ramularia	---	---	---	R	R	---	---	---
<i>Fusarium</i> ear blight #	GR	GR	GR	---	---	---	---	---
Sooty moulds (<i>Cladosporium</i> , <i>Botrytis</i>)	R	R	R	---	---	---	---	---

C = Control
GR = Good Reduction
R = Reduction

Application of Gemstone to ears of wheat can lead to reduction of the levels of the mycotoxin deoxynivalenol (DON) associated with Fusarium ear blight infection, but this level of effect may not necessarily lead to reduction of DON below the statutory limit in wheat grain.

Yield response in cereals may be obtained in the absence of visual disease.

Resistance Management

GEMSTONE contains epoxiconazole, a DMI fungicide. Resistance to some DMI fungicides has been identified in Septoria leaf blotch (*Mycosphaerella graminicola*) which may seriously affect the performance of some products. For further advice on resistance management information in DMIs, contact your agronomist or specialist advisor and visit the Fungicide Resistance Action Group (FRAG)-UK website.

GEMSTONE contains pyraclostrobin, a member of the QoI cross resistance group. GEMSTONE should be used preventatively and should not be relied on for its curative potential.

When curative activity is needed apply QoI fungicides in mixture with a suitable dose of a curative fungicide from a different cross-resistance group. GEMSTONE meets this requirement as it contains epoxiconazole. To ensure the effectiveness of the epoxiconazole component as a partner, GEMSTONE should always be applied at the full recommended rate.

Use GEMSTONE 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.

There is a significant risk of widespread resistance to QoI cross resistance group fungicides occurring. Failure to follow resistance management action may result in reduced levels of disease control.

Crop Specific Information

Gemstone is approved for use in winter and spring wheat, durum wheat, winter and spring barley, oats, rye and triticale.

Time of Application

Apply GEMSTONE at the start of foliar disease attack. A maximum of two applications can be made before grain watery ripe in winter and spring wheat, durum wheat, rye and triticale and up to and including emergence of ear just complete in winter and spring barley and oats.

Rate of Application

Apply 2 litres GEMSTONE in 200 to 300 litres of water per hectare.

Qualified Recommendation

If required water volumes down to 100 litres per hectare may be used, however these have not been supported by effectiveness or crop safety data.

Following Crops

After treating a cereal crop with GEMSTONE onions, oats, sugar beet, oilseed rape, cabbages, carrots, sunflowers, barley, lettuce, ryegrass, dwarf French beans, peas, potatoes, clover, wheat, field beans and maize may be sown as the following crop.

The effect of Gemstone on other crops has not been assessed.

Mixing and Application

Mixing

Never prepare more spray solution than is required.

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

SHAKE THE CONTAINER WELL before use and pour in the required amount of product.

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

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

Spray solution **MUST** be used on the day of mixing and must **NOT** be left overnight.

When tank mixes are to be used, take due note of any instructions given as to the order of mixing.

Each product should be added separately to the spray tank and fully dispersed before the addition of any further product(s).

All tank mixes should be used immediately after mixing.

On emptying the container, rinse container thoroughly by using an integrated pressure rinsing device or by manually rinsing three times.

Add washings to tank at time of filling and dispose of container safely.

Compatibility

For details of compatibilities contact your distributor, local BASF representative or the BASF Technical Services Hotline: 00 44 845 602 2553.

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 Products Regulations.

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

Safety Data Sheet

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



bit.ly/Gemstone_sds

Alternatively, contact your supplier.

SPECIMEN

Document size: 115x130 mm (width x height)
Gross size: 135x130 mm (width x height)



Gemstone®



MAPP 16298

A suspo-emulsion containing 80 g/litre (7.6% w/w) pyraclostrobin plus 62.5 g/litre (6% w/w) epoxiconazole.

A protectant and systemic fungicide with curative properties for use in winter wheat, winter barley, spring wheat, spring barley, durum wheat, oats, rye and triticale.

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 CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate or 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.

AVOID ALL CONTACT WITH SKIN.

WASH HANDS AND EXPOSED SKIN before meals and after work.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

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

Environmental protection

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 metres of the top of the bank of a static or flowing water body, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 metre from 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 Environment 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's published guidance or the statutory buffer zone must be maintained.

The results of the LERAP must be recorded and kept available for three years.

Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

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 container safely.

DO NOT RE-USE CONTAINER for any other purpose.

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

This label is compliant with the CPA Voluntary Initiative Guidance



© Registered trademark of BASF

811 36518 GB 1089



5 L

Supplied by: BASF plc, Agricultural Solutions
PO Box 4, Earl Road, Cheadle Hulme, CHEADLE,
Cheshire SK8 6QG, Tel: 0161 485 6222

Emergency Information: (24 hours freephone): 0049 180 2273112
Technical Enquiries: 0845 602 2553 (office hours)

