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For use only as a broad spectrum agricultural fungicide for the control of certain foliar and ear diseases in winter and spring crops of wheat (excluding durum), barley, oats and rye.

PCS No. 01175

MAPP No. 11255

An emulsion (oil in water) formulation containing 250 g/L (25.5% w/w) spiroxamine and 133 g/L (13.6% w/w) tebuconazole

Bayer CropScience Limited, Bayer Limited
Chapel Lane, Swords, Co. Dublin, Ireland
Telephone: (01) 813 2222

*For 24 hour emergency information contact Bayer CropScience Limited
Telephone: 1 800 409 399*

BEAM Contains 250 g/L (25.5% w/w) spiroxamine and 133 g/L (13.6% w/w) tebuconazole



HARMFUL



DANGEROUS FOR THE ENVIRONMENT

**HARMFUL BY INHALATION AND IF SWALLOWED
IRRITATING TO SKIN**

RISK OF SERIOUS DAMAGE TO EYES

**VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT
POSSIBLE RISK TO UNBORN CHILD**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

This material and its container must be disposed of in a safe way
Wear eye/face protection.

Use appropriate containment to avoid environmental contamination.

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

May produce an allergic reaction. Contains: spiroxamine and tebuconazole.

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SAFETY PRECAUTIONS

Operator Protection
Wear suitable protective clothing (coveralls), suitable protective gloves and face protection (face shield) when handling the concentrate.
Wear suitable protective clothing(coveralls) when applying the product.
WASH ALL PROTECTIVE CLOTHING AFTER USE – Phrase SPo2.
Wear suitable protective clothing (coveralls) and suitable protective gloves when handling contaminated surfaces.
Avoid all contact by mouth, with skin and with eyes.
AFTER CONTACT WITH SKIN, FIRST REMOVE PRODUCT WITH A DRY CLOTH AND THEN WASH THE SKIN WITH PLENTY OF WATER – Phrase RSh1.
When using do not eat, drink or smoke.
In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
Wash hands and exposed skin before meals, and after work.
If you feel unwell, seek medical advice (show the label where possible).

Environmental Protection
Dangerous to fish or other aquatic life. Do not contaminate surface waters or ditches with chemical or used container.
DO NOT CONTAMINATE WATER WITH THE PRODUCT OR ITS CONTAINER (Do not clean application equipment near surface water/Avoid contamination via drains from farms or roads) – Phrase SP1.
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, or within 1 m of the top of a ditch which is dry at the time of application.
Do not allow direct spray from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing water body. Aim spray away from water.
Storage and Disposal
Keep away from food, drink and animal feedingstuffs.
Keep out of reach of children.
Keep in original container, tightly closed in a safe place.
Wash out container thoroughly, empty washings into spray tank, and dispose of safely.
Do not re-use container for any purpose.

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PROTECT FROM FROST
SHAKE WELL BEFORE USE
READ ALL INSTRUCTIONS CAREFULLY BEFORE USE

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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 read carefully in order to obtain safe and successful use of this product.
For use only as an agricultural fungicide for the control of certain foliar and ear diseases in winter and spring cereals.
Beam is recommended for control of a range of diseases on winter and spring sown crops of wheat, (excluding durum) barley, oats and rye.
RESTRICTIONS
The possible development of diseases resistant to Beam cannot be excluded or predicted. Where such resistant strains occur, Beam is unlikely to give satisfactory control.
For best disease control and yield benefits, Beam should be applied at an early stage of disease development, before infection spreads to new crop growth.
Spiroxamine, fenpropidin and fenpropimorph share a similar mode of action.
DISEASES CONTROLLED
Leaf spot (*Septoria tritici*) Winter and spring wheat
Glume Blotch (*S. nodorum*) Winter and spring wheat
Yellow Rust Winter and spring wheat, barley, rye
Brown Rust Winter and spring wheat, barley, rye
Ear Disease Complex (incl. reduction of *Fusarium*, *Alternaria* and *Cladosporium*) Winter and spring wheat
Powdery Mildew Winter and spring wheat, barley, oats, rye
Leaf Blotch (*Rhynchosporium*) Winter and spring barley
Net Blotch Winter and spring barley
Crown rust Winter and spring oats
APPLICATION
Rate of use
Maximum number of applications: 2

Apply Beam at 1.5 litres/ha.
Maximum total dose per crop: 3 litres per hectare
Sprayers should be THOROUGHLY CLEANED before use and filters and jets checked for damage and blockages.
Water Volume
Most crops 200 litres/hectare
Dense crops after the first node is detectable 250 litres/hectare
Large crops, varieties highly susceptible to disease 300 litres/hectare
A pressure of 2-3 bar (30-40 psi) is recommended.
Apply as a **MEDIUM** quality spray (as defined by BCPC).
Boom height and water volume should be adjusted to ensure good coverage of the crop, particularly at later growth stages. The correct height is one at which the spray from alternate nozzles meets just above the crop. In dense crops at later growth stages, higher water volumes should be used as recommended below.
CROP SPECIFIC INFORMATION
Beam may be applied at any stage as follows:
Wheat, Rye - before caryopsis watery ripe stage; up to GS 71 (Zadocks)
Barley, Oats - up to and including ear emergence complete; up to GS 59 (Zadocks)
• Diseases Controlled - Application Timing
Septoria Leaf Spot and Glume Blotch
(*Septoria tritici* and *S. nodorum*)
(**Winter & Spring Wheat**)
To protect the flag leaf and ear from *Septoria tritici* and *S. nodorum* apply Beam from flag leaf emergence (GS37) until ear fully emerged (GS59).

Earlier application may be necessary where there is a high risk of *S. tritici* and Beam should be applied when the disease is active, but before it is visible on the upper leaves.
Applications made once the foliar symptoms of *S. tritici* are already present on the upper leaves will be less effective, since these symptoms only develop several weeks after initial crop infection has taken place.
Yellow Rust and Brown Rust
(**Winter & Spring Wheat, Barley and Rye**)
Apply Beam at first signs of disease.
Applications to established infections are likely to be less effective.
A second application may be made 2-3 weeks later if reinfection occurs.
Crown Rust
(**Winter & Spring Oats**)
Apply at the very first sign of disease. Applications to established infections are likely to be less effective.
A second application may be made 2-3 weeks later if re-infection occurs.
Ear Diseases Complex
(**Winter & Spring Wheat**)
Beam applied soon after ear emergence can give good reduction of *Fusarium* ear blight and a reduction of sooty moulds (*Alternaria* and *Cladosporium*) and can result in cleaner, brighter ears.
Powdery Mildew
(**Winter & Spring Wheat, Barley, Oats and Rye**)
Apply Beam at first signs of disease.
Where disease pressure remains high application may be repeated if necessary.
Rhynchosporium (leaf blotch)
(**Winter & Spring Barley**)
Apply Beam at the onset of disease. For effective control of moderate to severe infections a second application may be necessary 2-3 weeks later.
Net Blotch
(**Winter & Spring Barley**)

Apply Beam at the very first signs of disease in spring/early summer. A second application 2-3 weeks later will give most effective control when conditions remain favourable for disease development.
When disease develops after flag leaf emergence a single application of Beam will generally provide good protection.
Occasionally some transient leaf speckling may occur after application of Beam to wheat crops, but this has not been shown to adversely affect yield responses accruing from the benefits of disease control.
MIXING
Thoroughly shake the pack before use.
Add the required quantity of Beam to the half-filled spray tank with the agitation system in operation and then fill to the required level. Continue agitation at all times during spraying and stoppages until the tank is completely empty. Spray immediately after mixing.
COMPATIBILITY
Beam may be applied as a tank-mix with a range of products. Contact Bayer CropScience for compatibility information on specific tank-mixes. Full manufacturer's instructions must be followed for each tank-mix component.
FIRST AID
Ingestion: Repeatedly administer medicinal charcoal in a large quantity of water. Never give anything by mouth to an unconscious person. Do not induce vomiting.
Skin: Remove contaminated clothing and thoroughly wash exposed areas, hair and fingernails with soap and water.
Eyes: Rinse eyes with clean water for several minutes and immediately call a physician.
Inhalation: Remove the affected person from exposure to a well ventilated area and protect from excessive heat loss. In cases of suspected poisoning, immediately call a physician.
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