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# Rubric®

A suspension concentrate containing 125 g/litre epoxiconazole
**MAPP No. 14118**

*To access the Safety Data Sheet for this product, scan the QR code or use the weblink below:*
***http://www.headland-ag.co.uk/product-download.asp?fk=419***
*Alternatively, contact your supplier.*

PEEL BACK FOR DIRECTIONS FOR USE LEAFLET

**Product identifier:** Epoxiconazole 125 g/l SC Contains epoxiconazole

**Danger**
**Harmful if inhaled.**
**Suspected of causing cancer.**
**Suspected of damaging fertility and the unborn child.**
**Very toxic to aquatic life with long lasting effects.**
Avoid breathing vapours.
Wear protective gloves, protective clothing and eye/face protection.
Avoid release to the environment.
Call a POISON CENTER or physician if you feel unwell.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
Dispose of contents/container as hazardous waste.

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. To avoid risks to human health and the environment, comply with the instructions of use.

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

| Crops/situations: | Maximum individual dose: (l product / ha) | Maximum total dose: (l product / ha / crop) | Maximum number of treatments: | Latest time of application: |
|---|---|---|---|---|
| **Rye, triticale, wheat** | 1 | 2 | - | Up to and including flowering (anthesis) just complete (GS 69) |
| **Barley, oats** | 1 | 2 | - | Up to and including emergence of ear just complete (GS59) |
| **Fodder beet, sugar beet** | 0.75 | 1.5 | - | 28 days before harvest |

**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 should be read carefully in order to obtain safe and successful use of this product.

A systemic fungicide for use in Winter wheat, Spring wheat, Winter barley, Spring barley, Triticale, Rye and Oats and in Sugar beet and Fodder beet.

**Restrictions/Warnings**

This product may cause damage to broad-leaved plant species.
Avoid spray drift on to neighbouring crops.
Wash equipment thoroughly after use.
Epoxiconazole is accepted by BRI/BBPA for application to malting Barley but applications must be made before ear emergence.
When applied to barley intended for malting, refer to the latest timing restrictions for epoxiconazole given by the British Beer and Pub association.
Do not use on sugar beet fodder beet crops grown for seed production.

**Crops**

A systemic fungicide for use in Winter wheat, Spring wheat, Winter barley, Spring barley, Triticale, Rye and Oats and in Sugar beet and Fodder beet.

**Disease control**

RUBRIC is a systemic fungicide with protectant and curative properties for the control of powdery mildew, brown and yellow rusts, *Septoria tritici* and *Septoria nodorum* on Winter and Spring wheat and Triticale; powdery mildew, *Rhyncosporium*, net blotch (moderate control) and brown and yellow rusts on Winter and Spring barley; powdery mildew, *Rhyncosporium* and brown and yellow rusts on Rye; and powdery mildew on Oats.

RUBRIC also provides good reduction of *Fusarium* ear blight and reduction of sooty moulds *(Cladosporium, Botrytis)* on the ears of Winter and Spring wheat.

RUBRIC provides moderate control of powdery mildew, Ramularia leaf spot and Cercospora leaf spot in Sugar and Fodder beet.

**Rate and Time of Application**

Winter wheat, Spring wheat, Rye & Triticale:

Rate of Application: 1 litre per hectare.

Time of Application: Apply at the start of foliar disease attack.

A maximum of 2 litres of product /ha/crop can be made up to and including 'flowering just complete' stage. A minimum interval of 21 days must be observed between treatments.

For control of *Septoria*, treatment should normally be made after the 'third node detectable' stage when weather favouring disease development has occurred. A follow-up treatment may be necessary if conditions continue to favour disease development.

For protection against *Fusarium* ear blight and sooty mould on the ears of winter and spring wheat, apply RUBRIC during emergence.

For a quicker clean-up of any mildew established at the time of application, apply RUBRIC in a tank mix with an approved formulation of fenpropimorph at the following dose:

1 litre of RUBRIC + 0.5 litre of fenpropimorph (375 g active ingredient/ha) per hectare.

Winter barley, Spring barley, Oats:

Rate of Application: 1 litre per hectare.

Time of Application: Apply at the start of foliar disease attack.

A maximum of two applications can be made up to and including 'emergence of ear just complete' stage. A minimum interval of 21 days must be observed between treatments.

For a quicker clean-up of any mildew established at the time of application, apply RUBRIC in a tank mix with an approved formulation of fenpropimorph at the following dose:

1 litre of RUBRIC + 0.5 litre of fenpropimorph (375 g active ingredient/ha) per hectare.

Sugar beet and Fodder beet

Rate of Application: 0.75 litres per hectare

Time of Application: Apply to sugar beet after BBCH 39 and when crop cover is complete, i.e. when: >90% of plants meet between the rows. the latest time of application may be up to BBCH 49 but must be at least 28 days before harvest. A repeat application can be made (if necessary) 28 days after the first application. Do not make more than two applications per crop.
Do not use on sugar beet or fodder beet crops grown for seed production.

**Resistance**

Strains of certain cereal diseases with decreased sensitivity to triazole fungicides are known to exist in the UK. Where these occur or develop Rubric may not give satisfactory control.

Rubric contains 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 in DMIs, contact your agronomist or specialist advisor and visit the Fungicide Resistance Action Group (FRAG) UK website.

**Mixing and Spraying**

Apply Rubric in a minimum of 200 litres of water per hectare.

Apply as a MEDIUM spray, as defined by BCPC.

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 empty containers thoroughly and add rinsings to the spray tank. Add the remainder of the water and continue agitation until spraying is completed.

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.

**Compatibility**

For information on tank mixing please contact your Headland distributor or refer to the Headland web-site (www.headland-ag.co.uk).

The Control of Substances Hazardous to Health Regulations (CoSHH) 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 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 they provide an equal or higher standard of protection.
WHEN USING DO NOT EAT, DRINK OR SMOKE.
WASH HANDS AND EXPOSED SKIN before meals and after work.

**Environmental Protection**

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 farmyards and roads.
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 5m of the top of the bank of a static or flowing waterbody, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1m 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 Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from 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 inspection for three years.

**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.
RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times.
Add washings to sprayer at the time of filling and dispose of safely.

Store in a suitable pesticide store. Keep dry.

Protect from frost.

RUBRIC is a registered trademark and product of Cheminova A/S, Lemvig, Denmark

**TERMS AND CONDITIONS OF SUPPLY, SALE OR USE**

All goods supplied by Headland Agrochemicals Ltd. are high grade and we believe them to be suitable for the purpose for which we expressly supply them: but as we cannot exercise any control over their mixing, use or application which may affect the performance of the goods 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 or our Associate Companies for any damage or injury whatsoever arising from their storage, handling, re-application or use. These conditions cannot be varied by our staff, our agents or the re-sellers of the product whether or not they supervise or assist in the use of such goods.

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