



TREORIS[®]
MAPP 17849

A suspension concentrate containing 250 g/L chlorothalonil and 100 g/L penthiopyrad for disease control in wheat and barley.

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

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.

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 SPLASHES from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before eating, drinking and smoking and after work.

Environmental protection

To protect aquatic organisms, respect an unsprayed buffer zone to surface water bodies as specified for the crop. **HORIZONTAL BOOM SPRAYERS MUST BE FITTED WITH THREE STAR DRIFT REDUCING TECHNOLOGY.** Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Directorate's website. Maintain three star operating conditions until 30 m from the top of the bank of any surface water bodies.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within the distance specified for the crop to 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. Aim spray away from water.

NOTE: BUFFER ZONES OF MORE THAN 5 M ARE CANNOT BE REDUCED UNDER THE LOCAL ENVIRONMENT RISK ASSESSMENT FOR PESTICIDES (LERAP) SCHEME.

The statutory buffer zone must be maintained and the distance recorded in Section A of the LERAP record form. The LERAP record form must be kept available for three years.

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with the chemical or used containers. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

Version dated 28th April 2017

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 safely.

THIS MATERIAL AND ITS CONTAINER must be disposed of in a safe way.

Do not re-use container for any purpose.

Approval holder and marketing company:

Du Pont (UK) Limited, 4th Floor, Kings court, London Road, Stevenage, Herts. SG1 2NG

Tel: 01438 734450 or enquiry.agproducts@dupont.com

Emergency Tel: 0870 820 0418

National Poison Centre: 111 (England and Wales), 08454 24 24 24 (Scotland)

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Contents: X litres e

Batch No XXX

Manufactured in the E.U.

Risk and Safety Information

Treoris contains 250 g/L chlorothalonil and 100 g/L penthiopyrad

Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction



Warning

May cause an allergic skin reaction

Harmful if inhaled

May cause respiratory irritation

Suspected of causing cancer

Very toxic to aquatic life with long lasting effects.

Obtain special instructions before use

Avoid breathing spray.

Wear protective gloves/ protective clothing

IF ON SKIN: Wash with plenty of soap and water

IF exposed or concerned: Get medical advice/attention

Wash contaminated clothing before reuse

Collect spillage

Store in a well-ventilated place. Keep container tightly closed

Dispose of contents / container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

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 AVOID RISKS TO HUMAN HEALTH AND THE ENVIRONMENT, COMPLY WITH THE INSTRUCTIONS FOR USE.

IMPORTANT INFORMATION FOR USE ONLY AS A PROFESSIONAL FUNGICIDE.				
Crop	Maximum individual dose	Maximum number of treatments	Latest time of Application	Aquatic buffer zone distance (metres)
Wheat	2.5 L/ha	2 per crop	GS 69 (end of flowering)	12
Barley	2.5 L/ha	2 per crop	Up to GS 59 (end of heading)	12

Other specific restrictions:
 To reduce the risk of resistance developing in target diseases the total number of foliar applications of products containing SDHI fungicides made to any cereal crop must not exceed two.
 A 2nd application can only be carried out after GS39.
 A maximum total dose of not more than 500g penthiopyrad/hectare may be applied in a two year period on the same field.
 Do not apply via hand-held equipment
 Effectiveness using three star drift reduction technology may be reduced

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.

-----*(Start of label leaflet)*-----

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

- TREORIS should not be applied to any crop suffering from stress as a result of drought, waterlogging, low temperatures, nutrient or lime deficiency or other factors reducing crop growth.
- Avoid application in either frosty or hot, sunny weather conditions.

Disease Control

TREORIS contains chlorothalonil (a phthalonitrile fungicide) and penthiopyrad (a succinate dehydrogenase inhibitor (SDHI)) and controls a range of diseases in wheat and barley. At the recommended rate of application, TREORIS controls the following diseases.

Wheat	Barley
<i>Septoria tritici</i>	Net blotch
Brown rust	<i>Ramularia</i>
	<i>Rhynchosporium</i>

TREORIS should only be applied as a protectant treatment and should not be applied to established infections or relied on for its curative potential.

Resistance

Use TREORIS 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. Disease control may be reduced if strains of pathogens less sensitive to penthiopyrad develop.

When fungicides with the same mode of action are used repeatedly over several years in the same field, naturally occurring less sensitive strains may survive, propagate and become dominant in that field. A pathogen is considered resistant to a fungicide if it survives a correctly applied treatment at a recommended dose and timing, under normal weather conditions.

Do not apply more than two foliar applications of SDHI containing products to any cereal crop. Users should refer to current FRAC guidelines for SDHI compounds and visit the FRAG UK website. TREORIS should only be applied as a protectant treatment and should not be applied to established infections or relied on for its curative potential.

Volume and Application

Apply in 200 - 300 litres/ha of water using spraying equipment to give good even coverage of the crop. The higher volumes are recommended when the crop is dense. A spray pressure of 2 – 3 Bar is recommended.

Mixing

Ensure that the sprayer is clean and correctly set to give an even application at the required volume. Half-fill the spray tank with clean water and start agitation. Shake the container and add the required amount of TREORIS to the sprayer using a filling device (e.g. induction bowl or closed transfer unit) or by direct addition to the sprayer tank. Wash out containers thoroughly, preferably using an integrated pressure rinsing device, or manually rinse three times. Add washings to the sprayer at the time of filling. Complete filling to the required volume and continue to agitate throughout the spraying operation. Do not leave the spray liquid in the sprayer for long periods (such as during meal breaks or overnight). Thoroughly wash out sprayer after use.

Crops

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

Dose

Apply TREORIS at 2.5 litre per hectare.

Timing

Apply before disease is established in the crop. TREORIS may be applied from the beginning of stem elongation (GS 30) to the end of flowering (GS 69) on wheat and to the end of heading (GS 59) on barley. Application to upper leaves where disease symptoms are present

is likely to be less effective. If disease pressure remains high, follow up treatment with suitable alternative fungicides may be required to provide season long control.

Up to a maximum of 2 treatments may be made. If following a disease risk assessment or the use of the appropriate decision support systems, a second treatment may be applied after 21 days.

Compatibility

Products should only be tank-mixed if each product can be applied within the label recommendations for its use. For further information contact your DuPont distributor.

Spray tank clean-out

Thoroughly wash out sprayer according to manufacturer's guidelines and dispose of washings and clean containers according to DEFRA Code of Practice and local water authority guidelines.

NOTICE TO BUYER

All goods supplied by us are of a high grade and we believe them to be suitable for any purpose for which we expressly supply them, but as we cannot exercise control over their mixing or use, 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

All trademarks duly acknowledged.

Safety Data Sheet

[insert QR code and wording]

To access the Safety Data Sheet for this product scan the code, visit

www.cropprotection.dupont.co.uk or alternatively contact your supplier