


# CLAYTON REPEL

A mixture containing 125g/L fluopyram and 125g/L prothioconazole in a suspo-emulsion formulation for the control of certain diseases in oilseed rape. MAPP 17463

	<b>Clayton Repel contains 125g/L fluopyram and 125g/L prothioconazole</b>
	<b>WARNING : Very toxic to aquatic life with long lasting effects.</b>
	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. To avoid risks to human health and the environment, comply with the instructions for use.
	Contains 1,2-Benzisothiazolin-3-one and 2-[2-(1-chlorocyclopropyl)-2-hydroxy-3-phenylpropyl]2,4-dihydro-3H-1,2,4-triazole-3-thione. May produce an allergic reaction
	The Control of Substances Hazardous to Health (COSHH) Regulations may apply to the use of this product at work.

## IMPORTANT INFORMATION : FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops	Maximum individual dose of product	Maximum total dose of product	Latest time of application
Oilseed rape	1.0 L/ha	2.0 L/ha	56 days before harvest

**Other specific restrictions :** A minimum interval of 14 days must be observed between applications

**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.**

## 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 applying the product. WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying the product. WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND 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.

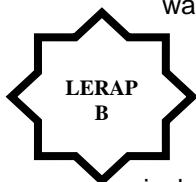
WASH ANY CONTAMINATION from eyes immediately.

WASH HANDS AND EXPOSED SKIN before meals and after work.

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

### 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). To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements. DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m 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 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.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

<b>Approval Holder</b> <b>Clayton Plant Protection Ltd.,</b> Unit F10, Bracetown Business Park <b>CLONEE Co. Meath</b> <b>Ireland.</b> <b>Tel: (00 353) 1 8210127</b>	Contents: xx e  PROTECT FROM FROST  STORE IN A COOL DRY PLACE  SHAKE THOROUGHLY BEFORE USE  Batch No: * see footnote
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**Conditions of Supply:** all goods supplied by us are of high quality and we believe them to be correct but, as we cannot exercise control over their storage, handling, mixing or use, or weather conditions before, during and after 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 resellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods. \* *Clayton batch numbers have complete traceability back to the original manufacturer's batch numbers and are available to CRD on request. Clayton Repel with MAPP number 17463 has been confirmed by CRD to be identical to the reference product MAPP No: 15735*

## 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.**

CLAYTON REPEL is a mixture of a carboxamide and triazolinthione fungicide recommended for the control certain diseases on winter and spring oilseed rape.

**CROPS :** CLAYTON REPEL may be used on all commercial varieties of winter and spring oilseed rape.

### DISEASES CONTROLLED

Winter oilseed rape Light leaf spot, Phoma leaf spot and stem canker\*, Sclerotinia stem rot and powdery mildew.  
\* Moderate control.

#### Winter Oilseed Rape

Light Leaf Spot	Apply CLAYTON REPEL protectively in the autumn/winter (usually late October to early December) after the first two leaves have unfolded. Follow up spray(s) may be required in early spring from the onset of stem elongation, depending on disease development.
Phoma Leaf spot/Stem Canker	Apply CLAYTON REPEL in autumn at the first sign of disease (after the first two leaves have unfolded). A repeat application with another effective product may be necessary in late autumn /early winter should disease symptoms reoccur.
Sclerotinia stem rot (Sclerotinia sclerotiorum).	Apply CLAYTON REPEL at early to full flower
Powdery Mildew	Apply CLAYTON REPEL at first signs of disease (after first two leaves unfolded stage) if infection occurs in autumn, or at early to mid-flower in spring. Where disease pressure remains high application with an alternative effective product may be repeated.

#### Spring oilseed rape (QUALIFIED MINOR USE RECOMMENDATION)

CLAYTON REPEL can also be used on varieties of spring oilseed rape but crop safety has not been fully established

#### RATE OF USE

Apply CLAYTON REPEL at 1.0 litre per hectare. A maximum of two applications may be made with a minimum interval between sprays of 14 days.

#### APPLICATION TIMING

Depending upon disease pressure and choice of management programme one application of CLAYTON REPEL may be made in the autumn followed a second in the spring/ summer. Alternatively two applications may be made in the spring/summer. CLAYTON REPEL may be applied at any stage up to 56 days before harvest.

#### WATER VOLUME

Apply CLAYTON REPEL in 200-300 litres per hectare water. The higher spray volume is recommended to ensure good penetration to lower leaves and stem bases if the crop is dense or disease risk is high. Disease control may be reduced if insufficient water volumes are used and good spray coverage is difficult to achieve.

**Qualified use 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.

### **SPRAY QUALITY**

Apply as a MEDIUM spray quality (as defined by BCPC). A spray pressure of 2-3 bar is recommended.

### **MIXING**

Thoroughly shake the pack before use. Add the required quantity of CLAYTON REPEL 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. General Sprayers should be thoroughly cleaned with water and detergent after use, and filters and jets checked for damage and blockages. Boom height should be adjusted to ensure even 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.

### **RESISTANCE STRATEGY**

Strains of light leaf spot resistant to azole fungicides are known to exist. To avoid development of resistance apply product protectively in response to disease forecasts. Where possible, when light leaf spot is present, avoid the use of azole based fungicides when targeting other diseases such as Sclerotinia at mid flowering. For further advice on resistance management in oilseed rape contact your agronomist, or specialist advisor, and visit the FRAG-UK website.

**CAUTION:** The possible development of disease strains resistant to CLAYTON REPEL cannot be excluded or predicted. Where such resistant strains occur, CLAYTON REPEL is unlikely to give satisfactory control.