




Clayton Zorro Pro

An emulsifiable concentrate formulation containing 125 g/L (12.8% w/w) prothioconazole and 125 g/L (12.8% w/w) tebuconazole. A fungicide for the control of stem-base, foliar and ear diseases in winter and spring wheat (also reduction of the mycotoxin deoxynivalenol), winter rye, winter and spring barley, winter and spring oats and oilseed rape. MAPP 17073

  	<p>Safety information</p> <p>Clayton Zorro Pro contains 125 g/L (12.8% w/w) prothioconazole and 125 g/L (12.8% w/w) tebuconazole</p> <p>Warning Causes skin irritation. Causes serious eye irritation. Suspected of damaging the unborn child. Very toxic to aquatic life with long lasting effects. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Call a POISON CENTRE or doctor/physician. 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. Contains 2-[2-(1-chlorocyclopropyl)-2-hydroxy-3-phenylpropyl]-2,4-dihydro-3H-1,2,4-triazole-3-thione. May produce an allergic reaction.</p> <p>To avoid risks to human health and the environment, comply with the instructions for use.</p>
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The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

PROTECT FROM FROST

Approval Holder :

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Contents: **5 litres e**

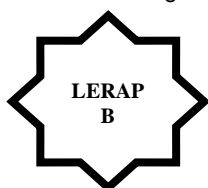
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IMPORTANT INFORMATION : FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE				
Crops:	Maximum individual dose	Maximum number of treatments	Latest time of application	Other specific restrictions
Wheat, rye (winter)	1.0 litre product per hectare	2 per crop	end of flowering (BBCH 69).	A minimum interval of 21 days must be observed between applications
barley, oats			up to beginning of flowering (BBCH 61	
oilseed rape			56 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				

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.

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 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.



RISK TO NON-TARGET INSECTS OR OTHER ARTHROPODS. Avoid spraying within 6m of the field boundary to reduce the effects on non-target insects or other arthropods. See Directions for Use.

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.

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) AND FACE PROTECTION when handling the concentrate.

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).

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 Zorro Pro is a mixture of a triazolinthione and triazole fungicide recommended for control of a wide range of diseases on winter and spring barley, winter and spring wheat, winter rye, winter and spring oats and oilseed rape.

Avoid spraying within 6m of the field boundary to reduce the effects on non-target insects or other arthropods.

CROPS

Clayton Zorro Pro may be used on all commercial varieties of winter and spring barley, winter and spring wheat, winter rye, winter and spring oats and oilseed rape.

RATE OF USE AND MAXIMUM NUMBER OF TREATMENTS

Apply Clayton Zorro Pro at 1.0 litre per hectare. The maximum number of treatments per crop is 2.

DISEASES CONTROLLED

Wheat	Eyespot (reduction of the incidence and severity), Septoria (leaf and glume blotch), powdery mildew*, yellow rust, brown rust, tan spot, ear disease complex (Fusarium ear blight (reduction of deoxynivalenol) and reduction of sooty moulds).
Barley	Eyespot (reduction of the incidence and severity), powdery mildew, yellow rust, brown rust, ear disease complex (Fusarium ear blight* and reduction of sooty moulds), Rhynchosporium, net blotch
Rye	Eyespot (reduction of the incidence and severity), powdery mildew, brown rust, Rhynchosporium
Oats	Eyespot, crown rust and mildew
Oilseed rape	Light leaf spot*, Phoma leaf spot/stem canker, and Sclerotinia stem rot

*Clayton Zorro Pro will provide moderate control of these diseases

APPLICATION TIMING :**CEREALS**

Eyespot (<i>Tapesia</i> spp.)	Spray in the spring at the first sign of disease, from when the leaf sheaths begin to become erect until the 2nd node is detectable (GS 30-32).
Septoria Leaf Blotch and Glume Blotch (<i>Septoria tritici</i> and <i>Stagonospora nodorum</i>)	Apply before disease is established in the crop. To protect the upper leaves and ear apply Clayton Zorro Pro at full flag leaf emergence (GS 37) up to mid-flowering (GS 65). Where disease pressure remains high application may be repeated. Applications to upper leaves where <i>S. tritici</i> symptoms are present are likely to be less effective. Clayton Zorro Pro contains two DMI fungicides. Resistance to some DMI fungicides has been identified in Septoria leaf blotch (<i>Mycosphaerella graminicola</i>) which may seriously affect the performance of some products.
Powdery Mildew (<i>Blumeria graminis</i>)	Apply Clayton Zorro Pro at the first signs of disease Where disease pressure remains high application may be repeated. Clayton Zorro Pro will only provide moderate control of powdery mildew in wheat
Yellow Rust (<i>Puccinia striiformis</i>)	Apply Clayton Zorro Pro at the first signs of disease. A second application may be made later if reinfection occurs. Applications made to established infections are likely to be less effective.
Brown Rust (<i>Puccinia recondita</i> and <i>P. hordei</i>)	Apply Clayton Zorro Pro at the first sign of disease. A second application may be made later if reinfection occurs. Applications made to established infections are likely to be less effective.
Crown Rust (<i>Puccinia coronata</i>)	Apply Clayton Zorro Pro at the first sign of disease. A second application may be made later if re-infection occurs. Applications made to established infections are likely to be less effective
Tan Spot (<i>Pyrenophora tritici-repentis</i>)	Apply Clayton Zorro Pro at the first sign of disease in spring or early summer. Where disease pressure remains high application may be repeated
Ear Disease Complex	Apply Clayton Zorro Pro soon after ear emergence until the end of flowering (GS59-69) for control of Fusarium ear blight in wheat (moderate control in barley) and reduction of sooty moulds. Control of ear diseases can result in cleaner, brighter ears. By controlling ear blight, Clayton Zorro Pro can reduce the level of the Fusarium mycotoxin deoxynivalenol (DON) in wheat grain. If Fusarium levels are high, the reduction achieved may not be sufficient to ensure DON levels fall below the statutory limit
Leaf Blotch (<i>Rhynchosporium secalis</i>)	Apply Clayton Zorro Pro in spring at the first signs of disease. For severe infections a second application may be necessary later
Net Blotch (<i>Pyrenophora teres</i>)	Apply Clayton Zorro Pro at the first signs of disease in spring/early summer. A second application later will give most effective control when conditions remain favourable for disease development

For further advice on resistance management in DMI's contact your agronomist or specialist advisor, and visit the FRAG-UK website.

Timing and spray intervals

A minimum interval of 21 days must be observed between applications

Wheat and rye	apply at any stage up to the end of flowering (BBCH 69)
Barley and oats	up to beginning of flowering

OILSEED RAPE

Light Leaf Spot	Apply Clayton Zorro Pro in autumn/winter (usually late October to early December) protectively. 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 Zorro Pro in autumn at the first sign of disease. Repeat application in late autumn/winter, if disease symptoms reoccur
Sclerotinia stem rot (<i>Sclerotinia Sclerotiorum</i>).	Apply Clayton Zorro Pro at early to full flower

Timing and spray intervals : A minimum interval of 21 days must be observed. Latest permitted timing is 56 days before harvest

RESISTANCE STRATEGY

Repeated application of Clayton Zorro Pro alone should not be used on the same crop against a high risk pathogen such as cereal powdery mildew. Tank mixtures or alternation with fungicides having a different mode of action (eg morpholines) have been shown to protect against the development of resistant forms of disease. CAUTION: The possible development of disease strains resistant to Clayton Zorro Pro cannot be excluded or predicted. Where such resistant strains occur, Clayton Zorro Pro is unlikely to give satisfactory control.

WATER VOLUME AND SPRAY QUALITY

Apply Clayton Zorro Pro in 100-400 litres water per hectare. The higher spray volumes are recommended where the crop is dense or disease pressure / risk is high to ensure good penetration to the lower leaves and stem bases. Disease control may be compromised by reducing water volumes, where good spray coverage is difficult to achieve. A spray pressure of 2-3 bar is recommended. Apply as a MEDIUM spray quality (as defined by BCPC).

MIXING

Thoroughly shake the pack before use. Add the required quantity of Clayton Zorro Pro 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.
