

CLAYTON NAVARO**MAPP 19360**

An emulsifiable concentrate (EC) fungicide containing 125 g/L prothioconazole and 125 g/L tebuconazole for the control of certain diseases in wheat, barley, oats, winter rye and oilseed rape

Clayton Navaro

Contains 125 g/L prothioconazole, 125 g/L tebuconazole.

Also contains N,N,-Dimethyl
decanamide

**Warning**

Causes skin irritation

**May cause an allergic skin reaction May
cause respiratory irritation.**

Suspected of damaging the unborn child

Toxic to aquatic life with long lasting effects.

Keep out of reach of children.

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 triple rinsed empty clean containers which can be disposed of as non-hazardous waste.

Contains 2-[2-(1-chlorocyclopropyl)-2-hydroxy-3-phenylpropyl]-2,4-dichloro-3H-1,2,4-triazole-3thione. May produce an allergic reaction.

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

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

IMPORTANT INFORMATION : ONLY FOR USE AS A PROFESSIONAL FUNGICIDE

Crop	Maximum individual dose (L/ha)	Maximum number of treatments per crop	Latest time of application
Rye (winter), wheat	1.0	2	End of flowering (BBCH 69)
Barley, oats	1.0	2	Up to beginning of flowering (BBCH 61)
Oilseed rape	1.0	2	56 days before harvest

Other specific restrictions: A minimum of 21 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.

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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 (FACESHIELD) 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 label where possible).

Environmental Protection

Do NOT CONTAMINATE SURFACE WATERS OR DITCHES with the product or its container. (Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads).

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 Environmental 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 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.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS

PROTECT FROM FROST

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 Navaro contains prothioconazole and tebuconazole, both triazole fungicides, recommended for control of a wide range of diseases on certain cereals and winter oilseed rape.

CROPS

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

RATE OF USE

Apply Clayton Navaro at 1.0 L/ha.

DISEASE CONTROLLED**Cereals**

	Wheat	Barley	Oats	Rye
Septoria leaf blotch	C			
Glume blotch	C			
Yellow rust	C	C		
Brown rust	C	C		C
Powdery Mildew	MC	C	C	C
Crown rust			C	
Rhynchosporium		C		C
Net blotch		C		
Eyespot	reduction	reduction	C	Reduction
Tan Spot	C			
Fusarium Ear Disease complex	reduction	reduction		
Sooty moulds	reduction	reduction		
	C = control MC – moderate control			

APPLICATION TIMING

A minimum interval of 21 days must be observed between applications in all crops. **CEREALS**

Eyespot (*Tapesia* 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 (*Septoria tritici* and *Stagonospora nodorum*)

Apply before disease is established in the crop. To protect the upper leaves and ear apply Clayton Navaro 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 *S. tritici* symptoms are present are likely to be less effective. Clayton Navaro contains two DMI fungicides. 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 DMI's contact your agronomist or specialist advisor, and visit the FRAG-UK website.

Powdery Mildew (*Blumeria graminis*)

Apply Clayton Navaro at the first signs of disease. Where disease pressure remains high application may be repeated. Clayton Navaro will only provide moderate control of powdery mildew in wheat

Yellow Rust (*Puccinia striiformis*)

Apply Clayton Navaro 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 (*Puccinia recondita* and *P hordei*)

Apply Clayton Navaro 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.

Crown Rust (*Puccinia coronata*)

Apply Clayton Navaro at the first signs of disease. Clayton Navaro controls crown rust in winter and spring oats. A second application may be made later if re-infection occurs. Applications made to established infections are likely to be less effective.

Tan Spot (*Pyrenophora tritici-repentis*)

Apply Clayton Navaro at the first signs of disease in spring or early summer. Where disease pressure remains high application may be repeated.

Ear Disease Complex

Apply Clayton Navaro soon after ear emergence until the end of flowering (GS 59-69) for control of Fusarium ear blight in wheat (or moderate control in barley) and reduction of sooty moulds. Control of ear diseases can result in cleaner, brighter ears. Through the control of ear blight, Clayton Navaro effectively reduces the level of the Fusarium mycotoxin deoxynivalenol (DON) in wheat grain. However, where Fusarium levels are high, the reduction achieved may not always be sufficient to ensure that DON levels fall below the statutory limit.

Leaf Blotch (*Rhynchosporium secalis*)

Apply Clayton Navaro in spring at the first signs of disease. For severe infections a second application may be necessary later. **Net Blotch (*Pyrenophora teres*)**

Apply Clayton Navaro at the first signs of disease in spring/early summer. For severe infections, a second application later will give most effective control when conditions remain favourable for disease development.

Oilseed rape

Light Leaf Spot (moderate control)

Apply Clayton Navaro protectively in autumn/winter (usually late October to early December). Follow up treatment(s) may be required in early spring from the onset of stem elongation, depending on disease development.

Phoma Leaf spot/Stem Canker

Apply Clayton Navaro in autumn at the first sign of disease. Repeat treatment in late autumn/winter, if disease symptoms reoccur.

Sclerotinia stem rot (*Sclerotinia sclerotiorum*) Apply

Clayton Navaro at early to full flower.

RESISTANCE

Repeated application of Clayton Navaro alone should not be used on the same crop. Tank-mixtures or alternation with fungicides having a different mode of action have been shown to protect against the development of resistant forms of disease. The possible development of disease strains resistant to Clayton Navaro cannot be excluded or predicted. Where such resistant strains occur, Clayton Navaro is unlikely to give satisfactory control. 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.

APPLICATION METHOD

Spray equipment should be thoroughly cleaned before use. Apply with tractor mounted/trailed sprayer in 100-400 litres of water per hectare. The higher volume is recommended on dense crops to ensure good coverage and penetration. Apply as a MEDIUM quality spray (as defined by BCPC). A spray pressure of 2-3 Bar is recommended.

MIXING

Thoroughly shake the pack before use. Add the required quantity to the half-filled 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 equipment should be cleaned immediately after use. Sprayers should be thoroughly cleaned with water and detergent after use, and filters and jets checked for damage and blockages.

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

Since the occurrence of resistance cannot be forecast, neither Clayton Plant Protection Limited nor its distributors can accept responsibility for any loss or damage to crops caused by the failure of Clayton Navaro to control resistant strains.

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