

# Clayton Tebucon 250 EW

MAPP 17823

An emulsion (oil in water) containing 250 g/litre tebuconazole.  
Clayton Tebucon 250 EW is a broad spectrum systemic fungicide for wheat (excluding durum), barley, oats, rye (winter) and oilseed rape, field beans and linseed.

**Contains 250g/L (25.9%) tebuconazole.**



## Danger

Harmful if swallowed.  
Causes serious eye damage.  
Harmful if inhaled.  
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 in eyes: rinse cautiously with water for several minutes. remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a poison center 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.



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

**PROTECT FROM FROST**

**SHAKE WELL BEFORE USE**

### Transport Information:

UN 3082

ADR/RID Class: 9

Packaging Group: III

**Net Contents: 5 Litres e**

Marketing Company:

Clayton Plant Protection,  
Bracetown Business Park,  
Clonee,  
Dublin 15

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## IMPORTANT INFORMATION

### FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL FUNGICIDE

Crops/situations	Maximum individual dose: (l product / ha)	Maximum total dose: (l product / ha)	Latest time of application:
Wheat, barley, rye (winter) and oats:	1.0	2.0 (See 'Other specific restrictions')	Before grain watery ripe stage (GS 71)
Oilseed Rape	(a) First application between growth stages BBCH 14 and at or before BBCH 19		See 'Other specific restrictions'
	0.5	0.5	
Oilseed Rape	<b>OR</b> (b) First application at or after BBCH 20		See 'Other specific restrictions'
	1.0	1.0	
Field beans	1.0	1.0	Not less than 35 days before harvest
Linseed	1.0	1.0	At any time before brown capsule stage or 35 days before harvest; whichever is sooner.

#### **Earliest time of application:**

For wheat, barley, oats, and rye application must be made after BBCH 30.

Oilseed rape - BBCH 14 see other specific restrictions.

For linseed application must be made after BBCH 20.

For field beans application must be made after BBCH 40.

#### **Other specific restrictions:**

(1) For use on cereals a maximum dose of 1.0 L/ha applies after BBCH 30 and before early boot stage (BBCH 39). A further maximum dose of 1.0 L/ha cannot be applied until after BBCH40 stage.

(2) For use on oilseed rape a maximum total dose of 0.5 L/ha can be applied between growth stages BBCH 14 and BBCH 19.

(3) For use on oilseed rape a maximum total dose of 1.0 L/ha can be applied between growth stages BBCH 20 and BBCH 69.

(4) Applications to linseed must be made after BBCH20.

(5) Applications to field bean must be made after BBCH40.

(6) For use on oilseed rape if an application is made before BBCH 19 then no further applications are allowed on the crop.

(7) A minimum interval of 14 days applies between applications.

(8) Do not apply by hand-held equipment

**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.**

The following Aquatic Buffer Zones must be observed:

<b>Crops/situations:</b>	<b>Aquatic buffer zone distance (metres):</b>	<b>Comment:</b>
Barley, field bean, linseed, oats, oilseed rape, rye (winter), wheat	5	see Environmental Protection Phrase 1

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 GLOVES when handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

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. IN CASE OF CONTACT WITH EYES RINSE IMMEDIATELY with plenty of water and seek medical advice.

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

Crops/situations with 5m buffer zone:

Since there is a risk to aquatic life from use, direct spray from horizontal boom sprayers must not be allowed to fall within 5m of the top of the bank of any static or flowing waterbody or within 1m of the top of a ditch which is dry at the time of application. (Buffer zones must be measured in accordance with the guidance set out in the booklet 'Local Environment Risk Assessment for Pesticides - Horizontal Boom Sprayers' available from HSE Chemicals Regulation Directorate's website and any amendments made to it) unless;

(a) The LERAP indicates that a narrower buffer zone will be sufficient

(b) Any measures indicated by the LERAP as justifying the narrower buffer zone are complied with in full and in accordance with any conditions applicable to them.

Spray must be aimed away from water.

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

DO NOT RE-USE CONTAINER FOR ANY PURPOSE.

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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

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 TEBUCON 250 EW is recommended for control of a wide range of diseases on winter and spring sown cereals, oilseed rape, field beans and linseed.

For best disease control and yield benefit CLAYTON TEBUCON 250 EW should be applied at an early stage of disease development, before infection spreads to new crop growth.

### RESISTANCE MANAGEMENT

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 diseases resistant to CLAYTON TEBUCON 250 EW cannot be excluded or predicted. Where such resistant strains occur, CLAYTON TEBUCON 250 EW is unlikely to give satisfactory control.

CLAYTON TEBUCON 250 EW contains tebuconazole a DMI fungicide. Resistance has been identified in Septoria leaf blotch (*Mycosphaerella graminicola*) which may seriously affect the performance of some products. CLAYTON TEBUCON 250 EW is not recommended for the control of this disease.

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

Strains of light leaf spot resistant toazole 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 use a fungicide with an alternative mode of action or mixes containing an alternative mode of action when targeting other diseases such as Sclerotinia at mid flowering.

## DISEASES CONTROLLED

### Wheat

Septoria (moderate control of glume blotch), powdery mildew (moderate control), yellow rust, brown rust, ear disease complex – Fusarium, Alternaria and Cladosporium).

### Barley

Powdery mildew (moderate control), yellow rust, brown rust, Rhynchosporium (moderate control) and net blotch (useful reduction).

### Rye

Powdery mildew, yellow rust, brown rust and Rhynchosporium (moderate control). Oats Crown rust and mildew.

### Oats

Crown rust and mildew.

### Oilseed rape

Light leaf spot, Phoma leaf spot and stem canker and Sclerotinia stem rot, dark leaf spot/pod spot (Alternaria), ringspot (*Mycosphaerella brassicicola*).

### Field Beans

Chocolate spot, bean rust.

### Linseed

Powdery mildew, Botrytis.

## APPLICATION

Sprayers should be THOROUGHLY CLEANED before use and filters and jets checked for damage and blockages.

A pressure of 2-3 bar (30-40 psi) is recommended.

Apply as a MEDIUM quality spray (as defined by BCPC).

Boom height and water volume should be adjusted to ensure good coverage of the crop, particularly at later growth stages. In dense crops at later growth stages, higher water volumes should be used as recommended.

## CROP SPECIFIC INFORMATION

### CEREALS

CLAYTON TEBUCON 250 EW may be used on all varieties of winter and spring wheat (excluding durum), barley, rye, and winter and spring oats.

Maximum individual dose: 1.0 L/ha

Maximum total dose: 2.0 L/ha

Earliest time of application: For winter and spring wheat, barley, oats, rye application must be made after BBCH 30. For use on cereals a maximum dose of 1.0 L/ha applies after BBCH 30 and before early boot stage.

A further maximum dose of 1.0 L/ha cannot be applied until after BBCH40 stage.

Latest time of application: before grain watery ripe stage (BBCH 71).

### Water Volume

Most crops 100-200 L/ha

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.

### Diseases Controlled - Application Timing

Where disease pressure remains high application with an alternative effective product may be required to maintain control.

#### Septoria Glume Blotch (*S. nodorum*)

To protect the flag leaf and ear from apply CLAYTON TEBUCON 250 EW from flag leaf emergence (GS 37) until ear fully emerged (GS 59) prior to development of visible disease.

#### Yellow Rust and Brown Rust

Apply CLAYTON TEBUCON 250 EW at the first signs of disease. Applications made to established infections are likely to be less effective.

#### Ear Disease Complex

CLAYTON TEBUCON 250 EW applied preventatively before an infection event. Applications soon after ear emergence can give a good reduction of Fusarium ear blight and a reduction of sooty moulds (*Alternaria* and *Cladosporium*) and can result in cleaner, brighter ears.

#### Powdery Mildew

CLAYTON TEBUCON 250 EW should be applied at first signs of disease. When disease pressure remains high repeat applications with alternative effective product – see “Resistance Management”

#### Rhynchosporium (leaf blotch)

Application of CLAYTON TEBUCON 250 EW will provide a moderate reduction in *Rhynchosporium secalis*. Apply CLAYTON TEBUCON 250 EW at the onset of disease. For moderate to severe infections a second application with an alternative effective product may be necessary 2-3 weeks later. On disease susceptible varieties in high risk situations tank mixing CLAYTON TEBUCON 250 EW with other products may improve control (contact Clayton plant protection for details).

### Net Blotch

Application of CLAYTON TEBUCON 250 EW will provide a moderate reduction in net blotch. Apply CLAYTON TEBUCON 250 EW at the very first signs of disease in spring/early summer. A second application with an alternative effective product 2-3 weeks later will give most effective control when conditions remain favourable for disease development. When disease develops after flag leaf emergence a single application of CLAYTON TEBUCON 250 EW will generally provide moderate protection.

### Crown Rust

CLAYTON TEBUCON 250 EW applied to control mildew on oats will also reduce crown rust infections occurring around this time. Alternatively, apply CLAYTON TEBUCON 250 EW on first appearance of crown rust.

Occasionally, after the application of CLAYTON TEBUCON 250 EW, some transient leaf speckling on wheat or leaf reddening/scorch on oats may occur, but these symptoms have not been shown to adversely affect yield responses accruing from the benefits of disease control.

## **OILSEED RAPE**

CLAYTON TEBUCON 250 EW may be used on all varieties of winter or spring sown oilseed rape.

a) First application between growth stages BBCH 14 and at or before BBCH 19

Maximum individual dose 0.5 L product per hectare

Maximum total dose: 0.5 L product per hectare

Or

b) First application at or after BBCH 20

Maximum individual dose 1.0 L product per hectare

Maximum total dose: 1.0 L product per hectare

For use on oilseed rape a maximum total dose of 0.5 L/ha can be applied between growth stages BBCH 14 and BBCH 19.

For use on oilseed rape a maximum total dose of 1.0 L/ha can be applied between growth stages BBCH 20 and BBCH 69.

For use on oilseed rape if an application is made before BBCH 19 then no further applications are allowed on the crop.

Latest time of application: up to and including the end of flowering.

### **Water volume**

CLAYTON TEBUCON 250 EW should be applied in 100-400 L/ha of water, using the higher volume in dense crops.

### **Diseases Controlled**

#### Light Leaf Spot

Autumn/Winter: CLAYTON TEBUCON 250 EW will control light leaf spot in oilseed rape. Light leaf spot should be prevented from developing early in the life of the crop and good protection from subsequent disease development will be provided by an application of CLAYTON TEBUCON 250 EW in autumn/winter after GS 20 (usually late October to early December). Follow up spray(s) with an alternative effective product may be required in the spring/ summer depending on disease development.

Spring/Summer: If an autumn treatment of CLAYTON TEBUCON 250 EW has not been made and disease develops in the crop over winter, an early spring (late February/March) application of 1.0 L/ha may be made from the onset of stem extension. The application of 1.0 L/ha of CLAYTON TEBUCON 250 EW either pre- or post-flowering will generally control late development of light leaf spot on pods and leaves.

#### Phoma Leaf Spot/Stem Canker

Leaf spot can be found from October onwards and best control of stem canker may be expected from an autumn/early winter application (after GS 20) of CLAYTON TEBUCON 250 EW applied at first signs of disease, followed by an alternative effective product in late winter/early spring.

#### Dark Leaf/Pod Spot (*Alternaria* spp)

Treatment with 1.0 L/ha CLAYTON TEBUCON 250 EW should begin at the onset of disease i.e. when black pin-head spots first appear on the pods.



### Sclerotinia Stem Rot

1.0 L/ha of CLAYTON TEBUCON 250 EW applied at early to full flower will give some reduction of Sclerotinia stem rot.

### Ringspot (Mycosphaerella brassicicola)

Spring/summer applications of CLAYTON TEBUCON 250 EW made for the control of light leaf spot may also give some reduction of this disease.

## **FIELD BEANS**

Maximum individual dose: 1.0 L per hectare  
Maximum number of applications: 1 per crop  
Earliest time of application: Do not apply before GS 40. CLAYTON TEBUCON 250 EW must not be applied less than 35 days before harvest.

### **Diseases Controlled - Application Timing**

#### Chocolate Spot and Bean Rust

Apply CLAYTON TEBUCON 250 EW at first signs of disease from the early flower stage.

## **LINSEED**

Maximum individual dose: 1.0 L per hectare.  
Maximum number of applications: 1 per crop.  
Earliest time of application: For linseed application must be made after BBCH 20.

### **Water volume**

CLAYTON TEBUCON 250 EW should be applied in 100-400 L/ha of water, using the higher volume in dense crops. CLAYTON TEBUCON 250 EW may be applied at any time before brown capsule stage or 35 days before harvest whichever is sooner.

### **Diseases Controlled - Application Timing**

#### Powdery Mildew

CLAYTON TEBUCON 250 EW applied at first signs of disease will give control.

#### Botrytis

CLAYTON TEBUCON 250 EW applied at first signs of disease can give a reduction in this disease.

## **MIXING**

Thoroughly shake the pack before use.

Add the required quantity of CLAYTON TEBUCON 250 EW 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.

Where tank mixes are used CLAYTON TEBUCON 250 EW should be added to the spray tank last, after first dispersing the other product(s)

## **CONDITIONS OF SUPPLY**

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use or the weather conditions before, during or 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 re-sellers 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.