

# Fathom

PEEL BACK FOR DIRECTIONS FOR USE LEAFLET

## Product Registration Number MAPP 17452

An emulsifiable concentrate containing 200 g/litre tebuconazole

**A broad spectrum systemic fungicide for use in winter and spring wheat, barley, rye and oats, oil seed rape, cabbages, swedes, turnips, field beans, carrots, horseradish, parsnips and linseed.**

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

To access the Safety Data Sheet for this product, scan the QR code or use the website below:  
<http://www.headland-ag.co.uk/product-downloads/mapp17452>  
 Alternatively, contact your supplier.



Product identifier: Tebuconazole 200 g/l EC  
 Contains: Tebuconazole

**Warning**  
 May cause an allergic skin reaction  
 Causes serious eye damage  
 Suspected of damaging the unborn child  
 Very toxic to aquatic life with long lasting effects

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

### IMPORTANT INFORMATION

| Crops/situations:                           | Maximum individual dose:<br>(l product / ha) | Maximum total dose: | Maximum number of treatments: (per crop) | Latest time of application: |
|---|--|---------------------|--|-----------------------------|
| Barley, oats, rye, triticale, wheat         | 1.25   | -                   | 1  | End of flowering (BBCH 69)  |
| Oilseed rape                                | 1.25   | -                   | 2  | BBCH 65                     |
| Cabbage, field bean, linseed, swede, turnip | 1.25   | -                   | 1  | 35 days before harvest      |
| Carrot, horseradish, parsnip                | 1.25   | -                   | 1  | 21 days before harvest      |

The following Aquatic Buffer Zones must be observed:

| Crops/situations:  | Aquatic buffer zone distance (metres): | Comment:                              |
|--|--|---------------------------------------|
| Cabbage, carrot, field bean, horseradish, linseed, oats, oilseed rape, parsnip, rye, swede, triticale, turnip, wheat | 5                                      | see Environmental Protection Phrase 1 |

**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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**Crops:** Fathom can be applied to all varieties of field beans

**Diseases Controlled and Application Timing**

FATHOM can be applied to field beans from the flower buds present, still enclosed by leaves stage (BBCH 50) up to 35 days before harvest. Do not apply more than 250 gms a/ha total dose of FATHOM per crop. Where disease pressure remains high application with an alternative effective product may be required to maintain control but only one application of Fathom may be applied per crop.

- Control of Chocolate Spot and Bean Rust

Apply 1.25 litre/ha at the first signs of disease from BBCH 50.

**Cabbages**

**Rate of Application:** 1.25 litre/ha

**Volume of Water:** Use at least 200 litres of water/ha. Increase the water volume to 600 litres/ha in very dense crops.

**Crops:** Fathom can be applied to all varieties of cabbages. Consult the processor before using Fathom on crops intended for processing.

**Diseases Controlled and Application Timing** FATHOM can be applied to cabbages from the beginning of heart formation (GS 40) up to 35 days before harvest. Do not apply more than 250 gms a/ha total dose of FATHOM per crop. Where disease pressure remains high application with an alternative effective product may be required to maintain control but only one application of Fathom may be applied per crop.

- Control of Light Leaf Spot, Powdery Mildew, Ringspot and Alternaria

Apply 1.25 litres/ha as soon as disease is seen but not before beginning of heart formation.

**Swedes and Turnips**

**Rate of Application:** 1.25 litre/ha

**Volume of Water:** Use at least 200 litres of water/ha. Increase the water volume to 600 litres/ha in very dense crops.

**Crops:** Fathom can be applied to all varieties of swedes and turnips. Consult the processor before using Fathom on crops intended for processing.

**Diseases Controlled and Application Timing** FATHOM can be applied from when the roots begin to expand stage (BBCH 40) to 35 days before harvest. Do not apply more than 250 gms a/ha total dose of FATHOM per crop. Where disease pressure remains high application with an alternative effective product may be required to maintain control but only one application of Fathom may be applied per crop.

- Control of Powdery Mildew

Apply 1.25 litre/ha at the first signs of disease but not before BBCH 40

**Carrots, parsnips, horseradish**

**Rate of Application:** 1.25 litre/ha

**Volume of Water:** Use at least 400 litres of water. Increase the volume to 600 litres in very dense crops. Good foliar cover is extremely important.

**Crops:** Fathom can be applied to all varieties of carrots, parsnips and horseradish. Consult processor before using Fathom on crops intended for processing.

**Diseases Controlled and Application Timing** FATHOM can be applied at any stage from BBCH 20 up to 21 days before harvest. Do not apply more than 250 gms a/ha total dose of FATHOM per crop. Where disease pressure remains high application with an alternative effective product may be required to maintain control but only one application of Fathom may be applied per crop.

- Control of *Alternaria* and *Sclerotinia*

Apply at the early signs of *Alternaria* but not before BBCH 20. This treatment will also give useful reduction of *Sclerotinia*.

- Powdery Mildew

Apply when the disease is first seen in the crop but not before BBCH 20

**Linseed**

**Rate of Application:** 1.25 litre/ha (see below)

**Volume of Water:** Use at least 200 litres of water. Increase the volume to 400 litres in very dense crops.

**Crops:** Fathom can be applied to all varieties of linseed.

**Diseases Controlled and Application Timing** FATHOM can be applied between the beginning of stem elongation (BBCH 30) to when nearly all pods have reached final size (BBCH 79). Do not apply more than 250 gms a/ha total dose of FATHOM per crop. Where disease pressure remains high application with an alternative effective product may be required to maintain control but only one application of Fathom may be applied per crop.

- Control of Powdery Mildew

Apply once, when the first signs of disease appear in the crop.

**Mixing and Application:**

**Shake the container thoroughly before opening and use.**

Half-fill the sprayer tank with clean water and begin agitation. Add the correct amount of Fathom using a filling device (e.g. an induction hopper) or by direct addition to the tank, followed by the rest of the water.

Rinse the container clean, preferably with an integrated pressure rinsing device, otherwise manually 3 times. Add the washings to the spray tank at the time of filling. Apply without delay. Maintain agitation while travelling and throughout the spraying operation.

Apply as a 'Medium' spray at a pressure of 2-3 bar. Do not apply in frosty weather. Apply to dry foliage.

Thoroughly clean the sprayer after use.

**Compatibility:** Fathom is physically compatible with a wide range of agricultural chemicals. Consult your distributor for the latest recommendations. Alternatively, up-to-date compatibility information may be found at [www.headland-ag.co.uk](http://www.headland-ag.co.uk)

**SAFETY PRECAUTIONS**

**Operator Protection**

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment: Operators must wear suitable protective clothing (coveralls), suitable protective gloves and face protection (faceshield) when handling the concentrate.

Operators must wear suitable protective clothing (coveralls) when handling contaminated surfaces or applying by hand-held equipment.

However, engineering controls may replace personal protective equipment if a CoSHH assessment shows they provide an equal or higher standard of protection.

**Environmental Protection**

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.

Spray must be aimed away from water.

Spray from hand-held sprayers must not be allowed to fall within 1m of the top of the bank of a static or flowing waterbody. Spray must be aimed away from water.

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.

The results of the LERAP must be recorded in written form and must be available for a period of three years for inspection to any person entitled to exercise enforcement powers under or in connection with the Plant Protection Products Regulations 2011 or the Plant Protection Products (Sustainable Use) Regulations 2012. (An electronic record will satisfy the requirement for a written record, providing it is similarly available for inspection and can be copied).

#### **Other Specific Information**

Do not handle treated crops for at least 3 days after treatment.

Application to linseed may only be made between BBCH 30-79.

#### **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

RINSE CONTAINER THOROUGHLY, by using an integrated pressure rinsing device or manually rinsing three times

Add washings to sprayer at the time of filling and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose

Store in a suitable pesticide store. Keep dry.

#### **Protect from frost.**

Made in Denmark

#### **TERMS AND CONDITIONS OF SUPPLY, SALE OR USE**

All goods supplied by Headland Agrochemicals Ltd. are high grade and we believe them to be suitable for the purpose for which we expressly supply them: but as we cannot exercise any control over their mixing, use or 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 our Associate Companies for any damage or injury whatsoever arising from their storage, handling, re-application or use. These conditions cannot be varied by our staff, our agents or the re-sellers of the product whether or not they supervise or assist in the use of such goods.

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