

Erase

PEEL BACK FOR DIRECTIONS FOR USE LEAFLET

Product Registration Number MAPP 16135

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, leeks 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 visit the website below:

<http://www.headland-ag.co.uk/product-control.asp?ID=507>
Alternatively, contact your supplier.



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

Warning

Causes serious eye irritation.
May cause an allergic skin reaction.
Suspected of damaging the unborn child.
Toxic to aquatic life with long lasting effects.
Avoid breathing vapours.
Wash hands thoroughly after handling.
Avoid release to the environment.
Use personal protective equipment as required.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Dispose of contents/container as hazardous waste.
To avoid risks to human health and the environment, comply with the instructions of use.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL FUNGICIDE

Crops:	Winter and spring wheat, barley, rye and oats, oil seed rape, cabbages, swedes, turnips, field beans, carrots, horseradish, parsnips, leeks and linseed.	
Maximum individual dose:	1.25 litres product per hectare for all crops	
Maximum total dose:	2.5 litres product per hectare for cereals, field beans, swedes and turnips 3.1 litres product per hectare for oil seed rape 2.8 litres product per hectare for cabbages 3.75 litres product per hectare for carrots, parsnips, horseradish and leeks 1.25 litres product per hectare for linseed	
Latest time of application:	Cereals Oil seed rape Leeks Cabbages, carrots, parsnips and horse radish Field beans, swedes and turnips Linseed	Before the grain milky ripe stage. At any time up to and including when most seeds are green stage Not less than 14 days before harvest Not less than 21 days before harvest Not less than 35 days before harvest At any time before brown capsule stage or 35 days before harvest whichever is earlier

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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DIRECTIONS FOR USE

Important: This information is approved as part of the Product Label. All instructions within this section should be read carefully in order to obtain safe and successful use of this product.

Erase is a systemic fungicide for use in winter and spring wheat, barley, rye and oats, oilseed rape, cabbages, swedes, turnips, field beans, carrots, horseradish, parsnips, leeks and linseed.

Restrictions/Warnings**Fungicide Resistance**

Erase is a triazole fungicide. It is advisable to alternate the use of Erase with a fungicide with a different mode of action (e.g. a piperazine or morpholine fungicide) to avoid the build-up of resistant strains of disease.

Disease control may be reduced if strains of a disease less sensitive to Erase develop.

Erase contains a DMI fungicide. 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 DMIs, contact your agronomist or specialist advisor and visit the fungicide Resistance Action Group (FRAG) U.K. web-site

Crops, Application Rates and Timings**Winter and spring cereals**

As a general rule, disease control and yield benefit will be optimal when treatment is made at an early stage of development.

Rate of Application: 1.25 litre/ha

Volume of Water: Use at least 200 litres of water/ha. Increase the water volume to 300 litres/ha in very dense crops or susceptible varieties.

Crops: Erase can be applied to all varieties of winter and spring barley, winter and spring wheat (except Durum wheat) and rye but **only** on the following varieties of oats:

Winter oats: Aintree, Chamois, Craig, Emperor, Gerald, Kynon, Mirabel, Pennal, Solva

Spring oats: Aberglen, Cabana, Commander, Dula, Melys, Rhiannon, Ripon

Diseases Controlled and Application Timing

Erase can be applied to cereal crops up to the 'Grain Milky Ripe' stage (ZGS 75). Do not apply more than 2.5 litres/ha of Erase per crop.

1. Control of Powdery Mildew (wheat, barley, oats and rye)

Apply Erase at the first signs of disease. In wheat, barley and rye, when treating established infestations or varieties that are particularly susceptible, tank-mixing with a piperazine or morpholine fungicide may improve control. Repeat if necessary if disease pressure remains high.

2. Control of Septoria Leafspot and Septoria Glume Blotch (wheat) To protect the flag leaf, apply Fathom from the 'flag leaf emerged' stage (ZGS37) up to the 'ear fully emerged' stage (ZGS 59).

If there is a high risk of Septoria leaf spot, apply when the disease is active but before it appears on the upper leaves. Applications made when foliar symptoms are already present on the upper leaves will be less effective.

3. Control of Yellow Rust and Brown Rust (wheat, barley and rye). Apply as soon as the disease is seen. Applications made to established infestations will be less effective. Repeat after 2-3 weeks if re-infestation occurs.

4. Control of Fusarium Ear Blights, Sooty moulds (wheat) An application of Erase shortly after ear emergence will give a good reduction of Fusarium ear blight and 'Sooty moulds' (*Alternaria* and *Cladosporium*).5. Control of *Rhynchosporium* Leaf Blotch (barley and rye)

Apply Erase at the onset of disease. A second application may be necessary 2-3 weeks later.

6. Control of Net Blotch (barley)

Apply at the first sign of disease in the spring or early summer. If conditions remain favourable for disease development, a second application should be made 2-3 weeks later. If the disease develops after flag leaf emergence, a single application should provide good protection.

7. Control of Crown Rust (oats)

Apply Erase on first appearance of disease.

Applications made to control mildew on oats will reduce Crown Rust infections occurring at the same time.

Oilseed Rape

As a general rule, disease control and yield benefit will be optimal when treatment is made at an early stage of development.

Rate of Application: 0.63 to 1.25 litre/ha (see below)

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

Crops: Erase can be applied to all varieties of winter and spring oilseed rape.

Diseases Controlled and Application Timing: Erase can be applied to oilseed rape at any time up to the 'most seeds green' stage.

Do not apply more than 3.1 litres/ha of Erase per crop.

1. Control of Light Leaf Spot

Apply 0.63 litres/ha in the autumn to prevent early development of the disease. One or two follow-up sprays at 1.25 litre/ha may be needed in the following spring or summer depending on disease development.

If an autumn/winter application has not been made and disease develops over winter, an application in the early spring may be made from the onset of stem extension, at 1.25 litre/ha. An application of 1.25 litre/ha either before or after flowering will control late development of disease on the leaves and pods. This treatment will also give some reduction of Ringspot if present in the crop.

2. Control of Phoma Leaf Spot / Stem Canker

Apply 0.63 litre/ha in late autumn/early winter when the disease is first seen, followed by a further application of 0.63-1.25 litre/ha in late winter/early spring. The treatment regime for Light leaf spot (1 above) will also give a useful reduction of Leaf spot and Stem canker.

3. Control of Dark Leaf Spot/ Pod Spot (*Alternaria*)

Apply 1.25 litre/ha when the black pin-head spots first appear on the pods. Applications for control of light leaf spot after flowering may give useful control of *Alternaria*.

4. Sclerotinia Stem Rot (reduction)

Apply 1.25 litre/ha at early to full flower. Do not mix Erase with any other product when applying during the flowering period of oilseed rape.

Field Beans

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: Erase can be applied to all varieties of field beans

Diseases Controlled and Application Timing

Erase can be applied to field beans from the 'early flower' stage up to 35 days before harvest.

Do not apply more than 2.5 litres/ha of Erase per crop.

1. Control of Chocolate Spot and Bean Rust

Apply 1.25 litre/ha at the first signs of disease from the 'early flower' stage. Repeat 3-4 weeks later.

Cabbages

Rate of Application: 0.63 - 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: Erase can be applied to all varieties of cabbages. Consult the processor before using Erase on crops intended for processing.

Diseases Controlled and Application Timing Erase can be applied to cabbages from the beginning of heart formation up to 21 days before harvest.

Do not apply more than 2.8 litres/ha of Erase per crop.

1. Control of Light Leaf Spot, Powdery Mildew, Ringspot and *Alternaria*

Apply 0.63 litre/ha as soon as disease is seen but **not** before beginning of heart formation. Repeat twice at 21-28-day intervals.

If Ringspot is already established, increasing the rate of the first application to 1.25 litre/ha will improve control; further applications may be needed to maintain control – but the maximum total dose must not exceed 2.8 litres/ha.

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

Diseases Controlled and Application Timing Erase can be applied from when the plants have a root diameter of 2.5 cms or more, to 35 days before harvest.

Do not apply more than 2.5 litres/ha of Erase per crop.

1. Control of Powdery Mildew

Apply 1.25 litre/ha at the first signs of disease. A second spray may be needed if the disease has developed very early and disease pressure continues.

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

Diseases Controlled and Application Timing Erase can be applied at any stage from GS15 up to 21 days before harvest. Do not apply more than 3.75 litres of Erase per crop.

1. Control of *Alternaria* and *Sclerotinia*

Apply in early to mid-August (or earlier if signs of *Alternaria* appear but not before GS15). Up to 2 further applications may be made at 3-week intervals. This treatment regime will also give useful reduction of *Sclerotinia* infections.

2. Powdery Mildew

Apply when the disease is first seen in the crop. Up to 2 follow-up applications can be made if necessary, at 14-21 day intervals. Erase will give useful reduction of Powdery Mildew.

Leeks

Rate of Application: 0.63 - 1.25 litre/ha (see below)

Volume of Water: Use at least 400 litres of water. Increase the volume to 600 litres in very dense crops.

Crops: Erase can be applied to all varieties of leeks. Consult processor before using Erase on crops intended for processing.

Diseases Controlled and Application Timing Erase can be applied at any time up to 14 days before harvest.

Do not apply more than 3.75 litres/ha of Erase to any crop.

1. Control of Leek Rust

Apply in early to mid-August as soon as disease symptoms appear. Up to 2 further applications may be made at 14-21 day intervals. The rate of these later applications may be reduced to 0.63 litre/ha if infection pressure is not heavy.

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: Erase can be applied to all varieties of linseed.

Diseases Controlled and Application Timing Erase can be applied at any time before the 'brown capsule' stage or 35 days before harvest, whichever is the sooner. Do not apply more than 1.25 litre/ha of Erase to the crop.

1. 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 Erase 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: Erase 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

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 AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WEAR 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 SPLASHES from skin and eyes immediately.

WASH HANDS AND EXPOSED SKIN before eating or drinking and after work.

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

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. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing water body. 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 performed in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and maintained for 3 years.

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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ERASE is approved by the Chemicals Regulation Directorate for use as a fungicide

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