

FUNGICIDE

20_05011901_07 | 04076-UK

Tubosan®

A broad spectrum systemic fungicide for winter and spring crops of wheat, barley, oats, rye, oilseed rape, field beans and linseed.

Emulsion (oil in water) formulation containing 250 g/litre (25.8 % w/w) tebuconazole

MAPP No.: 17127

GROUP

3

FUNGICIDE

**FOR PROFESSIONAL USE ONLY
PROTECT FROM FROST**

Production date / Batch number: see packaging

24 HOUR EMERGENCY No. 0032 14 58 45 45

UK

Net contents:

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The Voluntary Initiative

This label is compliant with the CPA Voluntary Initiative Guidance

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

For warehouse purposes only:



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Lichtenberglaan 2019 | BE-3800 Sint-Truiden
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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), 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.

- IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).
- 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 eating, drinking or smoking and after work.
- Do not apply by hand-held equipment.

Environmental protection

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

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 1m 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.

Use appropriate containment to avoid environmental contamination.

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).

Storage and disposal

- WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.
- KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
- KEEP OUT OF REACH OF CHILDREN.
- KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place.
- DO NOT RE-USE CONTAINER for any purpose.

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.

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

For best disease control and yield benefit TUBOSAN should be applied at an early stage of

disease development, before infection spreads to new crop growth.

Resistance management

Repeated application of TUBOSAN 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.

This product contains tebuconazole a DMI fungicide. Resistance has been identified in Septoria leaf blotch (*Mycosphaerella graminicola*) which may seriously affect the performance of some products. This product 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 to azole fungicides are known to exist. To avoid development of resistance apply this 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. The possible development of diseases resistant to TUBOSAN cannot be excluded or predicted. Where such resistant strains occur, TUBOSAN is unlikely to give satisfactory control.

GENERAL NOTES

Mixing

Thoroughly shake the pack before use.

Add the required quantity of TUBOSAN 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.

Tank Mixes

Where tank mixes are used TUBOSAN should be added to the spray tank last, after first dispersing the other product(s), unless otherwise specified.

Application

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

Tank cleaning

Thoroughly wash all spraying and measuring equipment with water and a wetting agent immediately after use. Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads.

Water Volume

See under individual crop sections.

Pressure

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

Spray Quality

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

General

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

Crops

TUBOSAN may be used on all varieties of winter and spring sown wheat (excluding durum), barley, rye and oats.

Rate of Use

1.0 litre per hectare.

Maximum individual dose: 1.0 litre per hectare

Maximum total dose per crop: 2.0 litres per hectare

Application

See also 'GENERAL NOTES' section.

Water Volume

Most crops: 155-200 litres/hectare

Dense crops after the first node is detectable:

250 litres/hectare

Large crops, varieties highly susceptible to disease:

300 litres/hectare

Permitted Timing

TUBOSAN may be applied at any stage between beginning of stem elongation (BBCH 30) and before the grain watery ripe stage (BBCH 71), with maximum of one application before the early boot stage (BBCH 39) and one application after BBCH 40 stage.

A minimum interval of 14 days applies between applications.

Diseases Controlled - Application Timing

- *Glume blotch (Septoria nodorum) (Wheat)*

To protect the flag leaf and ear from *S. nodorum* apply TUBOSAN from flag leaf emergence (GS 37) until ear fully emerged (GS 59).

- *Yellow and Brown Rust (Wheat, barley and rye)*

Apply TUBOSAN at the first signs of disease.

Applications made to established infections are likely to be less effective. A second application may be made if required observing the growth stage restrictions, an interval of three weeks must occur between applications.

- *Ear Disease Complex (Wheat)*

TUBOSAN applied 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.

- *Crown rust (Oats)*

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

Compatibility

Follow the manufacturer's recommendations for the application of tank mix products.

Factors Affecting Crop Safety

Occasionally, after the application of TUBOSAN, 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

TUBOSAN may be used on all varieties of winter or spring sown oilseed rape.

Rate of Use

Normally 1.0 L/ha, but 500 mL/ha may be used for autumn/winter applications to control light leaf spot.

Maximum individual dose: 1.0 litre per hectare

Maximum total dose per crop: 2.0 litres per hectare

Application

See also 'GENERAL NOTES'.

Water Volume

TUBOSAN should be applied in 155-400 L/ha of water, using the higher volume in dense crops

Permitted Timing

A maximum total dose of 0.5 litres of product /ha can be applied between growth stages BBCH 14 and BBCH19

OR

A maximum total dose of 2.0 litres of product/ha can be applied between growth stages BBCH 20 and BBCH 69.

If an application is made before BBCH 19 then no further applications are allowed on the crop.

A minimum interval of 14 days applies between applications.

Diseases Controlled

- Light Leaf Spot

Autumn/Winter: 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 0.5 L/ha TUBOSAN in autumn/winter (usually late October to early December). Follow up spray(s) of 1.0 L/ha may be required in the spring/summer depending on disease development.

Spring/summer: If an autumn treatment of TUBOSAN has not been made and disease develops in the crop over winter, an early spring (March) application of 1.0 L/ha may be made from the onset of stem extension.

The application of 1.0 L/ha of TUBOSAN either

before or during flowering will generally control late development of light leaf spot on pods and leaves.

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

Treatment with 1.0 L/ha TUBOSAN should begin at the onset of disease.

- Sclerotinia Stem Rot

1.0 L/ha of TUBOSAN applied at early to full flower will give some reduction of Sclerotinia stem rot.

- Ringspot (*Mycosphaerella brassicicola*)

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

LINSEED

Rate of Use

Maximum individual dose: 1.0 litre per hectare

Maximum number of applications: 1 per crop

Earliest time of application: For linseed application must be made after BBCH 20 .

Application

See also 'GENERAL NOTES'.

Water Volume

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

Permitted Timing

TUBOSAN may be applied at any time before brown capsule stage or 35 days before harvest whichever is sooner.

Diseases Controlled – Application timing

- Powdery mildew

TUBOSAN applied at first signs of disease will give control.

- Botrytis

TUBOSAN applied at first signs of disease can give

a reduction in this disease.

FIELD BEANS

Rate of Use

Maximum individual dose: 1.0 litre per hectare
Maximum number of applications: 1 per crop

Application

See also 'GENERAL NOTES'.

Water Volume

TUBOSAN should be applied in a minimum of 100 L/ha of water.

Permitted Timing

Earliest time of application: Do not apply before GS 40.

TUBOSAN must not be applied less than 35 days before harvest.

Diseases Controlled – Application timing

- *Chocolate spot, bean rust*

Apply TUBOSAN at first signs of disease from the early flower stage.

NOTICE TO BUYER

All goods supplied by us are of 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.

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



WEBLINK to specific data sheet on manufacturer's website:

https://www.belchim.co.uk/pdf/MSDS/Tubosan_MSDS.pdf

Alternatively, contact your supplier.

IMPORTANT INFORMATION : FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops/Situations:	Maximum individual dose: (L product/ha)	Maximum total dose: (L product/ha/crop)	Latest time of application:
Wheat, barley, rye, oats	1.0 See Other Specific Restriction 1	2.0	Before the grain watery ripe stage
Field bean	1.0	1.0	35 days before harvest
Oilseed rape	0.5 L/ha See Other Specific Restrictions 2 and 4	0.5	9 or more leaves unfolded stage (BBCH 19)
	1.0 See Other Specific Restrictions 3 and 4	2.0	End of flowering (BBCH 69)
Linseed	1.0	1.0	Before brown capsule stage or 35 days before harvest whichever is sooner


Other specific restrictions:

- For use on cereals a maximum dose of 1 L/ha applies after BBCH 30 and before early boot stage (BBCH39). A further maximum dose of 1 L/ha cannot be applied until after BBCH40 stage.
- For use on oilseed rape a maximum total dose of 0.5 litres of product /ha can be applied between growth stages BBCH 14 and 19.
- For use on oilseed rape a maximum total dose of 2.0 litres of product /ha can be applied between growth stages BBCH 20 and 69.
- For use on oilseed rape if an application is made before BBCH 19 then no further applications are allowed on the crop.
- A minimum interval of 14 days applies between applications
- Do not apply by hand-held equipment.
- Non-returnable containers must not be re-used for any purpose.

The following Aquatic Buffer Zones must be observed:

Crops/situations:	Aquatic buffer zone distance (metres):	Comment:
Barley, oats, oilseed rape, rye, wheat, linseed, field bean	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.**



DANGER

Tubosan® An emulsion (oil in water) formulation containing 250 g/litre (25.8 % w/w) tebuconazole

H318 Causes serious eye damage
H335 May cause respiratory irritation
H361d Suspected of damaging the unborn child
H411 Toxic to aquatic life with long lasting effects

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood

P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P308+P313 IF exposed or concerned: Get medical advice/attention
P312 Call a POISON CENTER or doctor/physician if you feel unwell

P403+P233 Store in a well ventilated place. Keep container tightly closed

P501 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.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

SP1 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).

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