



Sparticus[®]

Xpro

5L e

 leafshield
formulation system



Fungicide

A fungicide for the control of stem-base, foliar and ear diseases in winter and spring wheat, triticale, winter rye and for disease control in winter oilseed rape.

In cereal crops Sparticus_{Xpro} can increase chlorophyll content/photosynthesis in treated plants, and extend duration of green leaf area retention, for yield increases above that resulting from disease control alone.

MAPP 15162

An emulsifiable concentrate formulation containing 75 g/L (7.4% w/w) bixafen, 110 g/L (10.9% w/w) prothioconazole and 90 g/L tebuconazole (8.9% w/w)

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

Bayer CropScience Limited
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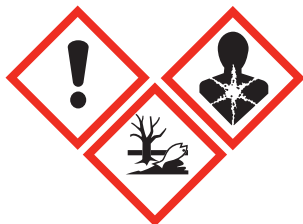
**For 24 hour emergency information
contact Bayer CropScience Limited**
Telephone: 00800 1020 3333



Safety information

SPARTICUS_{Xpro}

Contains 75 g/L (7.4% w/w) bixafen,
110 g/L (10.9% w/w) prothioconazole,
90 g/L tebuconazole (8.9% w/w) and
N,N-Dimethyl decanamide



Warning

Harmful if swallowed.
May cause an allergic skin reaction.
May cause respiratory irritation.
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 exposed or concerned: Get medical advice/attention.
Protect from sunlight.
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.

IMPORTANT INFORMATION FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops:	Winter and spring wheat, triticale, winter rye and winter oilseed rape.
Maximum individual dose:	Winter and spring wheat, triticale winter rye: 1.25 litres product per hectare Oilseed rape: 1.0 litres product per hectare
Maximum number of treatments:	Two per crop.
Latest time of application:	Winter and spring wheat, triticale and winter rye: before grain milky ripe stage. Oilseed rape: 56 days before harvest.

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.



sparticusxprods

To access the **Safety Data Sheet** for this product scan the code or use the link below:

www.cropscience.bayer.co.uk/sparticusxprods

or alternatively contact your supplier

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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) 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 the label where possible).

Do not apply by hand held equipment

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.

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 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. 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 AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS. KEEP OUT OF THE 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.

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.

Sparticus_{Xpro} is a mixture of bixafen (a SDH Inhibitor), prothioconazole (a triazolinthione fungicide) and tebuconazole (a triazole) recommended for control of a wide range of diseases on winter and spring wheat, winter rye, triticale and winter oilseed rape.

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CROPS

Sparticus_{Xpro} may be used on all commercial varieties of winter and spring wheat, triticale, winter rye and winter oilseed rape

RATE OF USE

Apply Sparticus_{Xpro} at:

1.25 litre per hectare in winter and spring wheat, triticale and winter rye.

1.0 litre per hectare in winter oilseed rape.

The maximum number of treatments is two per crop.

APPLICATION

Water volume

Apply Sparticus_{Xpro} in 100-300 litres water per hectare. 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. A spray pressure of 2-3 bar is recommended.

Spray quality

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

Latest Permitted Timing

In wheat, triticale and rye Sparticus_{Xpro} may be applied at any stage before grain milky ripe stage. In winter oilseed rape apply Sparticus_{Xpro} up to 56 days before harvest.

Mixing

Thoroughly shake the pack before use. Add the required quantity of Sparticus_{Xpro} 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.

General

Sprayers should be thoroughly cleaned with water and detergent after use, and filters and jets checked for damage and blockages. Boom height should be adjusted to ensure even coverage of the crop, particularly at later growth stages. The correct height is one at which the spray from alternate nozzles meets just above the crop. In dense crops, at later growth stages, higher water volumes should be used.

DISEASES CONTROLLED

Wheat and triticale

Eyespot (wheat only - reduction of the incidence and severity), *Septoria* (leaf and glume blotch), powdery mildew, yellow rust, brown rust, tan spot (in wheat), ear disease complex (*Fusarium* ear blight) and reduction of sooty moulds.

Rye

Powdery mildew, brown rust, *Rhynchosporium*.

Winter Oilseed Rape

Light leaf spot, *Phoma* leaf spot/stem canker and *Sclerotinia* stem rot.

APPLICATION TIMING

In cereal crops Sparticus_{Xpro} can increase chlorophyll content/photosynthesis in treated plants, and extend duration of green leaf area retention, for yield increases above that resulting from disease control alone.

CEREALS

Eyespot (*Oculimacula* 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
(*Mycosphaerella graminicola* and *Stagonospora nodorum*)

Apply before disease is established in the crop. To protect the upper leaves and ear apply Sparticus_{Xpro} 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.

Sparticus_{Xpro} 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 Sparticus_{Xpro} at the first signs of disease. Where disease pressure remains high application may be repeated.

Yellow Rust (*Puccinia striiformis*)

Apply Sparticus_{Xpro} at the first signs of disease. A second application may be made 2-3 weeks later if re-infection occurs. Applications made to established infections are likely to be less effective.

Brown Rust (*Puccinia triticina*, *P. recondita*)

Apply Sparticus_{Xpro} at the first signs of disease. A second application may be made 2-3 weeks later if re-infection occurs. Applications made to established infections are likely to be less effective.

Tan Spot (*Pyrenophora tritici-repentis*)

Apply Sparticus_{Xpro} at the first signs of disease in spring or early summer. Where disease pressure remains high application may be repeated.

Ear Disease Complex

Apply Sparticus_{Xpro} soon after ear emergence until the end of flowering (GS59-69) for control of *Fusarium* ear blight in wheat and reduction of sooty moulds. Control of ear diseases can result in cleaner, brighter ears.

Leaf Blotch (*Rhynchosporium secalis*)

Apply Sparticus_{Xpro} in spring at the first signs of disease. For severe infections a second application may be necessary 2-3 weeks later.

WINTER OILSEED RAPE

Depending upon disease pressure and choice of disease management programme one application of Sparticus_{Xpro} may be made in the autumn followed a second in the spring/summer. Alternatively two applications may be made in the spring/summer.

Light Leaf Spot

Apply Sparticus_{Xpro} protectively in autumn/winter (usually late October to early December) after the first two leaves have unfolded. Follow up spray(s) may be required in late winter/ early spring from the onset of stem elongation, depending on disease development. The second application of Sparticus_{Xpro} to oilseed rape must not be made prior to BBCH 21.

Phoma Leaf Spot/Stem Canker

Apply Sparticus_{Xpro} in the autumn (after the first two leaves have unfolded) at the first sign of disease. Follow up spray(s) with another effective product may be required if disease symptoms reoccur.

Sclerotinia Stem Rot (*Sclerotinia sclerotiorum*).

Apply Sparticus_{Xpro} at early to full flower.

Spring Oilseed Rape (QUALIFIED MINOR USE RECOMMENDATION) Sparticus_{Xpro} can also be used on varieties of spring oilseed rape but crop safety has not been fully established.

RESISTANCE STRATEGY

Tank mixtures or alternation with fungicides having a different mode of action against the diseases present have been shown to protect against the development of resistant forms of disease.

No more than two applications of SDH inhibitors must be applied to the same cereal crop.

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.

Bixafen is a SDH Inhibitor, prothioconazole a triazolinthione (triazole) and tebuconazole is a triazole.

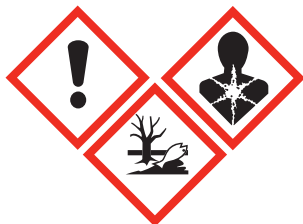
CAUTION: The possible development of disease strains resistant to Sparticus_{Xpro} cannot be excluded or predicted. Where such resistant strains occur, Sparticus_{Xpro} is unlikely to give satisfactory control.

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