



# Starinta Duo®



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

*An emulsifiable concentrate formulation containing 75 g/L bixafen and 150 g/L prothioconazole.*

**FUNGICIDE**

#### RISK AND SAFETY INFORMATION

UFI: 4KVO-M03J-700J-54VS

**Causes serious eye irritation.**  
**May cause respiratory irritation.**  
**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.

If eye irritation persists: Get medical advice/attention.

Collect spillage.

Protect from sunlight.

Dispose of contents/container to a licenced hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste. Contains Prothioconazole. May produce an allergic reaction.

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

**WARNING**

PCS no.07235

**Content: 5 Liter e**

FOR PROFESSIONAL USE ONLY



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REGISTRATION HOLDER:

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**Globachem**  
Your Crop Counts



# Starinta Duo®

## 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), FACE PROTECTION (FACESHIELD) 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.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH ANY CONTAMINATION from eyes immediately.

WASH HANDS AND EXPOSED SKIN before meals and after work.

### 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 of 5m to surface water bodies.

### STORAGE AND DISPOSAL

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 time of filling and dispose of safely.

Triple rinsed containers should be punctured to prevent re-use and may be disposed of by an authorised contractor.

DO NOT RE-USE CONTAINER for any purpose.

Keep out of reach of children.

Keep away from food, drink and animal feeding stuffs.

## 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.**

### GENERAL INFORMATION

STARINTA DUO is a mixture of a carboxamide (FRAC Group 7) and triazolothione (FRAC Group 3) fungicide recommended for control of a wide range of diseases on winter and spring wheat, rye and triticale.

### DISEASES CONTROLLED

Disease controlled	Wheat	Triticale	Rye
Eyespot ( <i>Oculimacula</i> spp.)	R	R	R
Septoria Leaf Blotch ( <i>Mycosphaerella graminicola</i> )	MC	MC	MC
Glume Blotch ( <i>Septoria nodorum</i> )	MC	-	MC
Powdery Mildew ( <i>Blumeria graminis</i> )	C	C	C
Yellow rust	C	C	-
Brown rust	C	C	C
Tan spot	C	-	-
<i>Fusarium</i> Ear blight	MC	MC	-
Sooty Moulds	R	R	-
<i>Rhynchosporium</i> Leaf Blotch	-	C	C

C = Control  
MC = Moderate control  
R = Reduction

#### **APPLICATION TIMING**

##### **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 STARINTA DUO 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.

STARINTA DUO 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 FRAG-UK website.

##### **Powdery Mildew (*Blumeria graminis*)**

Apply STARINTA DUO at the first signs of disease. Where disease pressure remains high application may be repeated.

##### **Yellow Rust (*Puccinia striiformis*)**

Apply STARINTA DUO 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 STARINTA DUO 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 STARINTA DUO at the first signs of disease in spring or early summer. Where disease pressure remains high application may be repeated.

##### **Ear Disease Complex**

Apply STARINTA DUO soon after ear emergence until the end of flowering (GS59-69) for moderate 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 STARINTA DUO in spring at the first signs of disease. For severe infections a second application may be necessary 2-3 weeks later.

#### **CROP SPECIFIC INFORMATION**

STARINTA DUO may be used on all commercial varieties of winter and spring wheat, triticale and rye.

Apply STARINTA DUO at 1.25 L/ha in 100-300 L water/ha. The maximum number of applications per crop is 2. In wheat, rye and triticale STARINTA DUO may be applied at any stage before grain milky ripe stage.

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.

### **RESISTANCE STRATEGY**

Repeated application of STARINTA DUO 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 (e.g. morpholines) 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.

Consult your advisor for up-to-date guidance regarding current resistance status and a strategy for preventing and managing resistance in the cereal pathogens listed on the label. The Fungicide Resistance Action Committee (FRAC) produces recommendations that may be consulted for additional information.

**Caution:** The possible development of disease strains resistant to STARINTA DUO cannot be excluded or predicted. Where such resistant strains occur, STARINTA DUO is unlikely to give satisfactory control.

### **MIXING AND SPRAYING**

Thoroughly shake the pack before use.

Add the required quantity of STARINTA DUO 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.

Apply STARINTA DUO using a tractor mounted/trailed horizontal boom sprayer.

Apply as a MEDIUM spray quality. A spray pressure of 2-3 bar is recommended.

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.

### **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. 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.



- ▶ An emulsifiable concentrate formulation containing 75 g/L bixafen and 150 g/L prothioconazole.
- ▶ PCS no.07235



FUNGICIDE

GROUP

7

3

FUNGICIDES

#### IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL FUNGICIDE

CROPS	MAXIMUM INDIVIDUAL DOSE (L product/ha)	MAXIMUM NUMBER OF APPLICATIONS (per crop)	LATEST TIME OF APPLICATION
Winter and spring wheat, rye, triticale	1.25	2	Before grain milky ripe stage (GS 73)

#### Other specific restriction:

A maximum of 2 foliar applications of product(s) containing SDHIs can be applied to any cereal crop.

**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.**

**Emergency medical information: contact National Poisons Information Centre, Beaumont Hospital, Dublin, Ireland. Telephone numbers:**  
01 809 2166 (8am to 10pm every day) for members of the public.  
01 809 2566 or 01 837 9964 (24 hours) for healthcare professionals.

**FOR PROFESSIONAL USE ONLY** | PROTECT FROM FROST | SHAKE WELL BEFORE USE  
PRODUCTION DATE / BATCH NUMBER: SEE PACKAGING



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