# rojo

**GROUP 3 FUNGICIDE**

MAPP 21901

A flowable concentrate formulation for seed treatment containing 100 g/L prothioconazole for the control of the principal seed-borne diseases and soil-borne bunt in winter and spring wheat, winter and spring oats, winter and spring barley, durum wheat, rye and triticale.
The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.
Contents: 20 - 200 L, 25 L, 200 – 1000 Litres
Batch number: See container
Date of manufacture: See container

PROTECT FROM FROST

**Authorisation holder and Marketing company**
Sharda Agrochem Limited
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Harrow, Middlesex
HA1 1PD
United Kingdom

Sharda Agrochem LTD

24-hour emergency telephone number: +44 (0) 1865 407333

**ROJO**

**Warning**
**May cause an allergic skin reaction**
**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 skin irritation or rash occurs: Get medical advice / attention.
Store locked up
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 A PROFESSIONAL SEED TREATMENT

| Crops | Maximum individual dose | Maximum number of treatments | Latest time of application |
|---|---|---|---|
| Wheat (seed), oats (seed), barley (seed), durum wheat (seed), rye (seed), triticale (seed). | 100 ml product per 100 kg of seed | One per batch | Before planting |

**Other specific restrictions:**
Treated seed must not be used for food or feed
Sacks containing treated seed must not be re-used for food or feed
Treated seed must not be applied for the air
Treated seed must not be applied as broadcast application

**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**

## 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 or handling contaminated surfaces
WEAR SUITABLE PROTECTIVE GLOVES when handling treated seed.
However, engineering controls must replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.
WHEN USING DO NOT EAT, DRINK OR SMOKE
WASH HANDS AND EXPOSED SKIN after cleaning or re-calibrating equipment.
WASH HANDS AND EXPOSED SKIN before eating and drinking 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 farm-yards and roads.

**Storage and disposal**
DO NOT RE-USE CONTAINER for any purpose. [20 - 200 L container only, remove for Returnable containers and IBCs]
KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS
KEEP OUT OF REACH OF CHILDREN
KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.
EMPTY CONTAINER COMPLETELY and dispose of safely
*[20 - 200 L container ONLY, remove for IBCs and Returnable container]* WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of container safely.

*[For IBCs and Returnable container ONLY]*
Do not rinse out the container
Open the container only as directed
Return the empty container to the supplier
DO NOT RE-USE CONTAINER for any other purpose.

Product sold in bulk containers (200 – 1000 L) must be handled using mechanical assistance

**PRECAUTIONS for treated seed**

WEAR SUITABLE PROTECTIVE GLOVES when handling treated seed.
DO NOT HANDLE seed unnecessarily.
DO NOT USE TREATED SEED as food or feed.
KEEP TREATED SEED SECURE from people, domestic stock/pets and wildlife at all times during storage and use.
HARMFUL TO GAME AND WILDLIFE. Treated seed should not be left on the soil surface.
Bury spillages.
DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE BEEN USED FOR TREATED SEED for food or feed.
WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.
DO NOT APPLY TREATED SEED FROM THE AIR.
TREATED SEED MUST NOT BE BROADCAST
BURY OR REMOVE SPILLAGES

Seed should be drilled to a depth of 40 mm into a well prepared and firm seedbed.
If seed is present on the soil surface, or spills have occurred, then, if conditions are appropriate, the field should be harrowed then rolled to ensure good incorporation.

**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.**

**CROPS**
ROJO may be used on winter and spring wheat, winter and spring oats, winter and spring barley, durum wheat, rye and triticale.

**DISEASES CONTROLLED**

**Wheat, Oats, Durum Wheat, Rye and Triticale**
**Fusarium seedling blight / stem base browning**
ROJO improves crop establishment and the health of stem bases by reducing the symptoms of seedling blight and stem base browning caused by *Microdochium nivale* and *Fusarium culmorum*.
**Bunt**
ROJO controls bunt caused by seed- or soil-borne infections of *Tilletia caries*.
**Loose smut**
ROJO controls loose smut caused by *Ustilago nuda* and *U. avenae.*

**Winter barley**
**Fusarium seedling blight / stem base browning**
ROJO improves crop establishment and the health of stem bases by reducing the symptoms of seedling blight and stem base browning caused by *Microdochium nivale.*
**Covered Smut (barley and oats)**
ROJO controls covered smut caused *Ustilago hordei* and *U. kolleri* (covered smut is rare in the UK).
**Spring barley**
**Loose smut**
ROJO controls loose smut caused by *Ustilago nuda fsp. hordei.*
**Leaf Stripe**
ROJO controls leaf stripe caused by seed borne infections of *Pyrenophora graminea.*

**RATE OF USE**
100 ml of ROJO per 100 kg of seed (1.0 litre per tonne of seed).

**APPLICATION**
ROJO must only be used in conjunction with approved seed treatment application equipment by following the procedures given in the operating instructions. ALWAYS follow the operating instructions.

Ensure that ROJO is homogeneous before use. Where necessary, the product should be fully re-dispersed using a re-circulating pump or mechanical agitator. For further advice on redispersing ROJO please contact the local Seed treatment Engineer.
Product sold in bulk (200 – 1000 Litre) containers must only be transferred from the top of the container using the correct top-mounted discharge value. Reseal the container after use and return the containers for re-use via your distributor.

Warning: containers of greater than 20 litres capacity should be handled only with mechanical assistance.

ROJO should be evenly applied using a recommended seed treatment machine, which has been accurately calibrated to obtain the correct dose rate.

ROJO should be co-applied with a minimum of 2 – 4 litres of water per tonne of seed to improve the evenness of coverage of treated seed. The amount of water used will depend on the type of seed treater used and processing conditions.

For further details please contact the local Seed treatment Engineer. After use the product application equipment should be thoroughly cleaned using clean water.

**SEED QUALITY**
ROJO seed treatment should not be used on seed with more than 16% moisture content, or on sprouted, cracked, skinned or otherwise damaged seed.
All seed batches should be tested to ensure they are viable and suitable for treatment with ROJO.

**LABELLING OF TREATED SEED**
LABEL TREATED SEED with the appropriate precautions using printed sacks, labels or bag tags.

**STORAGE OF TREATED SEED**
Winter wheat: Seed treated with ROJO should preferably be drilled in the season of treatment.
Although ROJO is not known to have any effect on the storage life of treated seed, the subsequent germination and performance of such seed may be adversely affected by physical
storage conditions. No liability can therefore be accepted for the performance of stored, treated seed.
Winter barley, spring barley, spring wheat, oats, rye, triticale and durum wheat: treated seed must be used within the season of treatment.

**DRILLING OF TREATED SEED**
It is essential to check drill calibration before use and again for each seed lot drilled to ensure an accurate seed rate. ROJO treated seed should be drilled at 4 cm (1.5") depth into a well prepared and firm seedbed providing optimal conditions for crop emergence and establishment, using a minimum drilling rate of 125 kg/ha for wheat.
Adverse seedbed conditions such as very dry, fluffy, cloddy or capped seedbeds, water-logging, drilling too deep or too shallow, the use of seed with low germination capacity/vigour and residual herbicides, can reduce the field emergence of cereals. This may be accentuated by ROJO.

**FOLLOW-UP SPRAY TREATMENTS**
Fungal diseases of aerial plant parts: To give protection against air-borne and splash-borne diseases later in the season appropriate follow-up fungicide sprays should be used.

**CAUTION:** The possible development of disease strains resistant to ROJO cannot be excluded or predicted. If such resistant strains occur, ROJO is unlikely to give satisfactory control.

**COMPANY ADVISORY INFORMATION**
The following does not form part of the product label under the Plant Protection Products Regulation 1107/2009 and it provides additional advise on the product use at the discretion of Sharda.

**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 and 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 and 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.