

GOLEO®

FUNGICIDE

GROUP 7 FUNGICIDE

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For the control of certain diseases in approved cereal crops. See detailed label text for specific crop approval information.

**WINTER & SPRING WHEAT, DURUM WHEAT
WINTER & SPRING BARLEY
RYE & TRITICALE CROPS
OATS**

MAPP 21467

**62.5 g/L fluxapyroxad
Emulsifiable Concentrate (EC)**

NET CONTENT: 5L



**FOR USE ONLY AS
A PROFESSIONAL FUNGICIDE**

lifescientific 
FIRST TO MARKET

170930623804 V1

GOLEO® - MAPP 21467

GOLEO® is a fungicide for selective use in winter wheat, spring wheat, durum wheat, winter barley, spring barley, rye, triticale and oat crops. Contains FLUXAPYROXAD 62.5 g/L (6% w/w) formulated as an emulsifiable concentrate formulation (EC).

WARNING



Causes serious eye irritation.

Harmful if inhaled.

May cause harm to breast-fed children.

Toxic to aquatic life with long lasting effects.

Obtain Special instructions before use.

Do not breathe dust/fume/gas/mist/vapours/spray.

Avoid contact during pregnancy and while nursing.

Avoid release to the environment.

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 exposed or concerned, please call POISON CENTRE or doctor/physician.

Call a POISON CENTER or doctor/physician if you feel unwell.

If eye irritation persists: Get medical advice/attention.

Collect spillage.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

Contains propanoic acid, 2-hydroxy-, 2-ethylhexyl ester, (2S)-. May cause an allergic reaction.

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

IMPORTANT INFORMATION - FOR USE ONLY AS PROFESSIONAL FUNGICIDE

Crops	Maximum individual dose (L product per hectare)	Maximum number of treatments	Latest time of application
Wheat (winter and spring, durum)	2.0 L/ha	2	Crop BBCH 69 up to and including the end of flowering (anthesis)
Triticale, rye	2.0 L/ha	2	Crop BBCH 69 up to and including the end of flowering (anthesis)
Barley (winter and spring)	2.0 L/ha	2	Crop BBCH 69 up to and including the end of flowering (anthesis)
Oats	2.0 L/ha	2	Crop BBCH 69 up to and including the end of flowering (anthesis)

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 PLANT PROTECTION PRODUCTS.

Other specific restrictions

You must not apply more than two foliar applications of products containing complex II inhibitors to any cereal crop.

Always apply SDHI fungicides in mixtures.

The mixture partner should provide satisfactory control of the target disease when used alone and must have a different mode of action.

APPROVAL HOLDER AND MARKETING COMPANY: Life Scientific Ltd., Block 4, Belfield Office Park, Beech Hill Road, Dublin 4, Ireland. Tel: +353 1 2832024

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

FOR 24 HOUR EMERGENCY INFORMATION CONTACT NHS 111

PROTECT FROM FROST

SHAKE WELL BEFORE USE



170930623805_V1

Production date / Batch number: see packaging

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 an assessment shows that they provide an equal or higher standard of protection.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

Do not apply by knapsack sprayer/hand-held equipment.

IF SWALLOWED, seek medical advice immediately (show label where possible).

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 farmyards and roads).

Use appropriate containment to avoid environmental contamination.

Storage and disposal

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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 container safely.

This material (and its container) must be disposed of in a safe way.

Do not re-use container for any other purpose.

PROTECT FROM FROST.

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.

Resistance strategy

GOLEO® contains an active substance in the Fungicide Resistance Action Committee mode of action Group 7; it is an SDHI fungicide.

Resistance against this type of chemistry is known for several fungal species in field populations and lab mutants. A resistance management strategy is required.

Fungicide resistance in *Septoria* to some fungicides with this mode of action has been observed in the UK. Repeated applications of products with this mode of action should not be used against medium risk pathogens such as *Septoria*.

Follow the FRAC SDHI fungicide resistance management guidelines:

- Apply SDHI fungicides always in mixtures.
- The mixture partner should provide satisfactory disease control when used alone on the target disease and must have a different mode of action.
- Apply a maximum of 2 SDHI fungicide-containing sprays per cereal crop.
- Apply the SDHI fungicide preventively or as early as possible in the disease cycle. Do not rely only on the curative potential of SDHI fungicides.

- Strongly reduced rate programs including multiple applications must not be used. Refer to manufacturers' recommendations for rates.

Restrictions:

Ensure the sprayer is free from residues from previous applications.

When applying to malting barley refer to the application timing restrictions for fluxapyroxad given by the British Beer and Pub Association.

Avoid spray drift onto non-target plants.

FOLLOWING CROPS

After application of GOLEO® the crops listed below may be planted at their normal planting dates.

Following Crop
Beans (dwarf, field, soya)
Cabbage
Carrots
Cereals (all types of wheat, barley, oats, triticale and rye)
Chicory
Clover
Leeks
Lettuce
Linseed
Maize
Oilseed rape
Onions
Peas
Potatoes
Radishes
Ryegrass
Spinach
Sugar beet
Sunflower

GOLEO® is a selective protective and systemic fungicide. Up to two applications may be made to any individual crop, as part of a planned disease control programme.

Application

For all crops, apply GOLEO® as soon as disease is observed.

Diseases Controlled

The following diseases are susceptible to GOLEO®. The susceptibility ratings in the following table refer to good spray cover and good growing conditions, with suitable application timings.

Botanical Name	Common name	Crops	Control level achieved
<i>Puccinia recondita</i>	Brown rust	Winter wheat, spring wheat, durum wheat, winter barley, spring barley, rye, triticale	Control
<i>Puccinia coronata</i>	Crown rust	Oats	Control
<i>Pyrenophora teres</i>	Net blotch	Winter barley, spring barley	Control
<i>Blumeria graminis</i>	Powdery mildew	Winter wheat, spring wheat, durum wheat, winter barley, oats, rye, triticale	Reduction
<i>Rhynchosporium secalis</i>	Rhynchosporium	Winter barley, spring barley, rye	Control
<i>Zymoseptoria tritici</i>	Septoria leaf blotch	Winter wheat, spring wheat, durum wheat, triticale	Control
<i>Pyrenophora tritici-repentis</i>	Tan spot	Winter wheat, spring wheat, durum wheat	Reduction
<i>Puccinia striiformis</i>	Yellow rust	Winter wheat, spring wheat, durum wheat, winter barley, spring barley, rye, triticale	Moderate control

Control of some diseases may be enhanced by the use of suitable spray programmes and mixtures.

PREPARATION OF THE SPRAY SOLUTION AND APPLICATION

GOLEO® is not to be applied through backpack or hand-held sprayers.

Shake the container before use.

Half-fill the spray tank with clean water, add the necessary amount of GOLEO® and agitate while filling the tank.

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 container safely.

Do not leave spray solution in the tank overnight.

Good spray solution is necessary for effective control.

Apply at medium spray quality, through properly calibrated equipment.

After spraying wash out the sprayer according to the manufacturer's recommendations. Dispose of the washings and clean containers according to the DEFRA Code of Practice and local authority guidelines.

Water volume

Apply GOLEO® in 150-300 L/ha of water. Applications may be made at 100 L/ha, although the efficacy at this rate has not been tested.

COMPATIBILITY

GOLEO® is a fully optimised formulation; no additional surfactant is required.

For information on tank mixes, consult Life Scientific Ltd, your agronomist or your distributor.

CONDITIONS OF SUPPLY

All goods supplied by the company are of good quality and we believe them to be fit for purpose. However, 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, 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.