

FEZAN[®] PLUS

(MAPP 15490)

A suspension concentrate containing 60 g/l (5.45% w/w) tebuconazole and 166 g/l (15.1% w/w) chlorothalonil.

A fungicide for disease control in Winter Wheat.

IMPORTANT INFORMATION - FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops	Maximum individual dose (product):	Maximum total dose (product):	Latest time of application:
Winter Wheat	3.0l/ha	6.0l/ha	Before end of flowering (BBCH 69)

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.

IMPORTANT The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work. **FOR 24 HOUR EMERGENCY INFORMATION** Telephone: +44 (0)1763 212100

FEZAN[®] PLUS contains 60 g/l (5.45 %w/w) tebuconazole and 166 g/l (15.1 %w/w) chlorothalonil as a suspension concentrate



HARMFUL

HARMFUL BY INHALATION.
LIMITED EVIDENCE OF A CARCINOGENIC EFFECT.
POSSIBLE RISK OF HARM TO THE UNBORN CHILD.



DANGEROUS FOR THE ENVIRONMENT

VERY TOXIC TO THE AQUATIC ORGANISMS,
MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

Contains chlorothalonil. May cause an allergic reaction. Contains 1,3,5-tris(2-hydroxyethyl) hexahydro-1,3,5-triazine. May cause an allergic reaction.

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

FEZAN[®] PLUS is a trademark of Oxon Italia S.p.A.

Approval Holder: Oxon Italia SpA, Via Sempione 195, 20016 Pero (MI) Italy. Tel: +39 (0)2 353781. Fax: +39 (0)2 3390275.

Marketing Company: Sipcaml UK Limited, 4C Archway House, The Lanterns, Melbourn Street, Royston SG8 7BX, UK.

Tel: +44 (0)1763 212100. Fax: +44 (0)1763 212101.

SIPCAML UK CONDITIONS OF SUPPLY: All goods supplied by us are of high grade, but as we cannot exercise control over their mixing or use, all conditions and warranties, statutory or otherwise, as to the quality or fitness of our goods for any purpose, are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use.

Net contents:

10Le

Batch Number:

SIPCAML U.K.

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

FEZAN® PLUS 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 DMI's, contact your agronomist or specialist advisor, and visit the Fungicide Resistance Action Group (FRAG)-UK website.

As part of a resistance management strategy non-chemical control measures, including the selection of resistant varieties, should be considered. Multiple applications of DMI fungicides made to the same crop to control diseases such as Septoria leaf blotch and Powdery mildew should be avoided. Where additional fungicide treatments are required to control disease throughout the season, products with a different (non-DMI) mode of action should be selected.

Consult processor before using on crops grown for processing.

Diseases controlled

FEZAN® PLUS is intended for the use as a spray on Wheat (Winter) for protection and control of a range of wheat diseases including Septoria Leaf Blotch, Fusarium Ear Blight and Sooty Moulds.

FEZAN® PLUS is a mixture of fungicide active ingredients with different characteristics, combining the systemic protective, action of tebuconazole with the protectant activity of chlorothalonil.

Crop specific information

All varieties of Winter Wheat may be treated with **FEZAN® PLUS** up to the end of flowering (BBCH 69).

DOSE: Apply **FEZAN® PLUS** at 3.0 L/hectare in 200-400 litres of water per hectare. Apply as a MEDIUM quality spray as defined in the BCPC system.

Maximum total dose per crop; 6.0 l/ha

A minimum of 7 days must be observed between applications

TIMING: Moderate control of *Septoria* Leaf Blotch;

When *Septoria* Leaf Blotch is present at high levels early in the spring, and where the risk of disease development is high (e.g on susceptible varieties), an early treatment (e.g at the start of stem elongation) may be beneficial in reducing the spread and development of the disease.

A programme of two treatments applied during stem elongation (e.g. when leaf 3 is emerged) and at flag leaf emerged (e.g. flag leaf fully unrolled) will provide the best protection of the upper leaves and the ear. Apply when disease is active but before it appears on the upper leaves. Applications made when foliar symptoms are already present on the upper leaves will be less effective.

Control of *Fusarium* Ear Blight and Sooty Moulds;

Apply **FEZAN® PLUS** shortly after ear emergence (BBCH 59-69).

Following crops

There are no restrictions on following crops.

Mixing and spraying

Shake well before use. Half fill the spray tank with clean water and add the required quantity of FEZAN® PLUS while maintaining constant agitation. Add the remaining water and continue agitation during spray application.

SAFETY PRECAUTIONS

Operator Protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment.

Operators must wear suitable protective gloves when handling the concentrate or handling contaminated surfaces.

Do not breathe spray.

When using do not eat, drink or smoke.

Wear suitable protective clothing and gloves.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

IF YOU FEEL UNWELL seek medical advice immediately (show the label where possible)

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.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing waterbody, 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.



Storage and disposal

Keep out of the reach of children.

Keep away from food, drink and animal feedingstuffs.

Use appropriate containment to avoid environmental contamination.

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

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.

DO NOT RE-USE CONTAINER for any purpose.

Protect from frost.

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

Product name – FEZAN® PLUS.

MAPP – 15490.

Use – Fungicide.

Formulation Type – Suspension Concentrate.

Supplier – Sipcam UK Limited, 4C Archway House, The Lanterns, Melbourne Street, Royston SG8 7BX, UK.

Emergency phone no – Office 01763 212100.

2. HAZARDS IDENTIFICATION

Classification of substance according to Directive 67/548/EEC or Directive 1999/45/EC



R20-40-63



R50/53:

Xn; Harmful

N; Dangerous for the environment

Additional information – For the wording of risk and safety phrases refer to section 15.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients (according to Directive 1999/45/EC).

	CAS/EINECS	R Phrases	%
chlorothalonil	1897-45-6 / 217-588-1	T+ R26; Xn R40; Xi R37-41; Xi R43;	15.09%
tebuconazole	107534-96-3 / 403-640-2	Xn R22-63; N R51/53	5.45%

Additional information– For the wording of the listed risk phrases refer to section 15.

4. FIRST AID MEASURES

General information – Instantly remove any clothing soiled by the product.

Remove breathing apparatus only after soiled clothing has been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

After inhalation – Supply fresh air or oxygen; call for doctor. In case of unconsciousness bring patient into stable side position for transport.

After skin contact – Instantly wash with water and soap and rinse thoroughly. Instantly rinse with water.

After eye contact – Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing – In case of persistent symptoms consult doctor.

Information for doctor – No specific antidote, treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media – CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Special hazards arising from the substance or mixture – Formation of toxic gases is possible during heating or in case of fire. Can be released in case of fire: Nitrogen oxides (NOx) / Carbon monoxide (CO) / Hydrogen chloride (HCl).

Protective equipment – Do not inhale explosion gases or combustion gases.

Wear self-contained breathing apparatus / Put on breathing apparatus.

Additional information – Cool endangered containers with water spray jet.

Collect contaminated fire fighting water separately. It must not enter drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures – Put on breathing apparatus.

Wear protective clothing.

Environmental precautions – Inform respective authorities in case product reaches water or sewage system.

Do not allow to enter drainage system, surface or ground water.

Methods and material for containment and cleaning up – Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation.

Reference to other sections – See Section 8 for information on personal protection equipment.

7. HANDLING AND STORAGE

Precautions for safe handling – Ensure good ventilation/exhaustion at the workplace.

Open and handle container with care.

Information about protection against explosions and fires – The product is not flammable.

Keep breathing equipment ready.

Requirements to be met by storerooms and containers – Store only in the original container.

Store in cool location.

Information about storage in one common storage facility – Store away from foodstuffs.

Further information about storage conditions – Keep container tightly sealed.

Protect from frost.

Protect from heat and direct sunlight.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Components with limit values that require monitoring at the workplace – 57-55-6 propane-1,2-diol (4,0%) WEL
Long-term value: 474* 10⁻⁶ mg/m³, 150* ppm.

Personal protective equipment – The usual precautionary measures should be adhered to general rules for handling chemicals.

Avoid contact with the eyes and skin.

Do not eat, drink or smoke while working.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Store protective clothing separately.

Avoid contact with the eyes.

Breathing equipment – In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

Recommended filter device for short term use: Combination filter A-P1.

Protection of hands – Protective gloves.

Eye protection – Safety glasses.

Body protection – Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance –

Form – Fluid.

Colour – According to product specification.

Odour – Characteristic.

pH value at 20°C – 7-9.

Melting point or range – Not determined.

Boiling point/range – > 100°C.

Flash point – Not applicable.

Self-inflammability – Product is not self-igniting.

Danger of explosion – Product is not explosive.

Solvent content – Organic solvents: 4.0 %

Water: 70.0 %.

Solubility / Miscibility (water) – Not miscible.

Density – 1.1 g/cm³.

10. REACTIVITY AND STABILITY

Thermal decomposition / conditions to be avoided –

No decomposition if used according to specifications.

Possibility of hazardous reactions – Hazardous polymerisation has not reported under normal temperatures and pressures.

Conditions to avoid – No further relevant information available.

Incompatible materials – No further relevant information available.

Hazardous decomposition products – Thermal decomposition products may include toxic and corrosive fumes of chlorides and toxic oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

LD/LC50 values that are relevant for classification –

Oral LD50 > 2000 mg/kg (rat)

Dermal LD50 > 2020 mg/kg (rat)

Inhalation LC50/4 h 1.08 mg/l (rat)

Skin Irritation – No irritant effect.

Eye Irritation – No irritant effect.

Sensitisation – No sensitizing effect known.

12. ECOLOGICAL INFORMATION

Aquatic toxicity (active ingredient) –

EC 50 – 0.861 (72 h) mg/l (algae).

LC 50 – 0.909 (48 h) mg/l (*daphnia magna*).

LC 50 – 0.21 (96h) mg/l (rainbow trout (*oncorhynchus mykiss*)).

Note – Toxic for fish.

Persistence and degradability – No further relevant information available.

Bio accumulative potential – 1897-45-6 chlorothalonil (ISO) – Kow logP 2.94 (partition n-octanol/water).

Mobility in soil – No further relevant information available.

13. DISPOSAL

Waste or used preparation – Use specialist waste contractor in accordance with local regulations.

Disposal of packaging – Use specialist waste contractor in accordance with local regulations.

14. TRANSPORT

UN-Number (ADR, IMDG, IATA) – 3082

Proper shipping name (ADR, IMDG, IATA) – 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (chlorothalonil (ISO))

Hazard class (ADR,IMDG, IATA) – Class 9 Miscellaneous dangerous substances and articles. Label 9+P

Packing group (ADR, IMDG, IATA) – III

Marine pollutant – Yes

Special marking (ADR) – Symbol (fish and tree)

Special precautions (user) – Warning: Miscellaneous dangerous substances and articles.

Kemler Number – 90

EMS Number – F-A,S-F

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code – Not applicable.

Transport/Additional information – (ADR)

Limited quantities (LQ) LQ7

Transport category 3

Tunnel restriction code E

15. REGULATORY INFORMATION

Water Hazard Class – Water danger class 3 (self assessment); extremely hazardous for water

Hazard-determining components of labelling – Chlorothalonil

Symbol(s)

Xn Harmful

N Dangerous for the environment

Risk (R) phrases

20 Harmful by inhalation.

40 Limited evidence of a carcinogenic effect.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

63 Possible risk of harm to the unborn child.

Safety (S) phrases

4 Keep away from living quarters.

9 Keep container in a well-ventilated place.

20 When using do not eat or drink.

23 Do not breathe spray.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

38 In case of insufficient ventilation, wear suitable respiratory equipment.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label).

57 Use appropriate container to avoid environmental contamination.

16 OTHER INFORMATION

R Phrases referenced in section 3

R22 Harmful if swallowed.

R26 Very toxic by inhalation.

R37 Irritating to respiratory system.

R40 Limited evidence of a carcinogenic effect.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R63 Possible risk of harm to the unborn child.

Prepared by Sipcam UK Ltd to the best of our current knowledge and information. No responsibility is accepted that the information will be sufficient or correct in all cases. November 2011.