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Diadem[®] XE

MAPP 19526

An emulsifiable concentrate containing 100 g/litre (9.9% w/w) mefenitruflucanazole and 47.5 g/l (4.7% w/w) fluxapyroxad. A systemic fungicide for use in winter wheat, spring wheat, durum wheat, spelt wheat, winter barley, spring barley, triticale, rye and oats.

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

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), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

However, engineering controls may 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 before meals and after work.

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

Environmental protection

To protect aquatic organisms respect an unsprayed buffer zone distance to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 metres of the top of the bank of a static or flowing water body, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 metre from 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.

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.

This product must not be applied via hand-held equipment.

Storage and disposal

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, away from sources of heat.

DO NOT RE-USE CONTAINER for any purpose.

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.

Store in a suitable pesticide store. Keep dry and protect from frost.

This label is compliant with the CPA Voluntary Initiative Guidance

5 L

Supplied by:

BASF plc, 4th and 5th Floors, 2 Stockport Exchange, Railway Road,
Stockport SK1 3GG, Telephone: 0161 475 3000

Emergency Information (24 hours freephone): 0049 180 227 3112

Technical Enquiries: 0845 602 2553 (office hours)

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An emulsifiable concentrate containing 100 g/litre (9.9% w/w) mefenfluconazole and 47.5 g/l (4.7% w/w) fluxapyroxad.

Danger

Harmful if swallowed.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

Harmful if inhaled.

May cause respiratory irritation.

May cause harm to breast-fed children.

Toxic to aquatic life with long lasting effects.

If medical advice is needed, have product container or label at hand.

Wear protective gloves/clothing/eye protection.

Use only outdoors or in a well-ventilated area.

IF exposed or concerned: Call a POISON CENTRE or doctor/physician.

Store in a well-ventilated place. Keep container tightly closed.

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.

Contains a solution of methacrylate-based polymer.

May produce an allergic reaction.

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



IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL FUNGICIDE, as directed below:

Crops	Maximum individual dose (l product/ha)	Maximum number of treatments (per crop)	Latest time of application	Aquatic buffer zone distance (metres)
Barley, durum wheat, oats, rye, spelt, triticale, wheat	1.5 litres product/ha	2 per crop	Before GS 69 end of flowering	5

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.

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.

Diadem XE is a systemic fungicide with protectant and curative properties for disease control in winter wheat, spring wheat, durum wheat, spelt wheat, winter barley, spring barley, triticale, rye and oats.

Restrictions/Warnings

When applied to barley intended for malting, refer to the latest timing restrictions for fluxapyroxad and mefentrifluconazole given by the British Beer and Pub Association.

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

After spraying, wash out sprayer thoroughly according to manufacturer's guideline and dispose of washings and clean containers according to DEFRA Code of Practice and local authority guidelines.

Disease control

Diadem XE is a systemic fungicide with protectant and curative properties for disease control in winter wheat, spring wheat, durum wheat, spelt wheat, winter barley, spring barley, triticale, rye and oats as summarised below:

	Winter Wheat	Spring Wheat	Durum Wheat	Wheat	Winter Barley	Spring Barley	Rye	Triticale	Oats
<i>Septoria tritici</i>	C	C	C	C			C	C	
Yellow rust	C	C	C	C	C	C	C	C	
Brown rust	C	C	C	C	C	C	C	C	
Tan spot	R	R	R	R			R		
Powdery mildew	MC	MC	MC	MC	C		C	C	C
Net blotch					C	C			
<i>Rhynchosporium</i>					C	C	C		
<i>Ramularia</i>					C	C			
Crown rust									C

C = Control
MC = Moderate Control
R = Reduction

Resistance Management

Diadem XE should be used in accordance with the instructions for use for the target diseases at the specific growth stages indicated.

Use Diadem XE as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate other fungicides with a different mode of action.

Diadem XE should be used preventatively and should not be relied upon for its curative potential.

Diadem XE contains fluxapyroxad which belongs to the SDHI (carboxamide) complex II inhibitor group of fungicides. To minimise the risk of resistance occurring, apply a maximum of two SDHI fungicide sprays to any cereal crop.

There is a significant risk of widespread resistance occurring in *Septoria tritici* populations in the UK. Failure to follow resistance management action may result in reduced levels of disease control.

There is a significant risk of widespread resistance occurring in *Ramularia collo-cygni* populations to a number of different modes of action. Repeated use of products containing the same mode of action are unlikely to provide effective control of this disease. For further information on the resistance status of *Ramularia* contact your agronomist or specialist advisor and visit the FRAG-UK website.

Diadem X contains mefentrifluconazole, 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.

Crop Specific Information

Crops

Diadem XE is a systemic fungicide with protectant properties for disease control in winter wheat, spring wheat, durum wheat, spelt wheat, winter barley, spring barley, rye, triticale and oats.

Time of Application

For best results apply Diadem XE as a protectant treatment. A maximum of two applications can be made up to and including flowering anthesis just complete (GS 69) in wheat, barley, rye, triticale and oats.

Rate of Application

Apply 1.5 litres Diadem XE in a minimum of 100 litres of water per hectare.

Mixing and Application

Mixing

Apply as a MEDIUM spray, as defined by BCPC.

Half fill the spray tank with clean water and start the agitation. SHAKE THE CONTAINER WELL before use and pour in the required amount of product. Rinse any empty containers thoroughly and add rinsings to the spray tank. Add the remainder of the water and continue agitation until spraying is completed.

When tank mixes are to be used, each product should be added separately to the spray tank, taking due note of any instructions given as to the order of mixing.

All tank mixes should be used immediately after mixing

Compatibility

For details of compatibilities contact your local BASF representative, the BASF Technical Services Hotline: 0845 602 2553 or visit our website www.agricentre.basf.co.uk

The following does not form part of the authorised label text.

With many products there is a general risk of resistance developing to the active ingredients. For this reason a change in activity cannot be ruled out. It is generally impossible to predict with certainty how resistance may develop because there are so many crop and use connected ways of influencing this. We therefore have to exclude liability for damage or loss attributable to any such resistance that may develop. To help minimise any loss in activity the BASF recommended rate should in all events be adhered to.

Numerous, particularly regional or regionally attributable, factors can influence the activity of the product. Examples include weather and soil conditions, crop plant varieties, crop rotation, treatment times, application amounts, admixture with other products, appearance of organisms resistant to active ingredients and spraying techniques. Under particular conditions a change in activity or damage to plants cannot be ruled out. The manufacturer or supplier is therefore unable to accept any liability in such circumstances. All goods supplied by us are of high grade and we believe them to be suitable, but as we cannot exercise control over their mixing or use or the weather conditions during and after application, which may affect the performance of the material, 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 for any damage or injury whatsoever arising from their storage, handling, application

or use; but nothing should be deemed to exclude or restrict any liability upon us which cannot be excluded or restricted under the provisions of the Unfair Contract Terms Act 1977 or any similar applicable law.

Section 6 of the Health and Safety at Work Act

Additional Product Safety Information

The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has “off-label” approval or is otherwise permitted under the Plant Protection Product Regulations (EC) No 1107/2009.

The information on this label is based on the best available information including data from test results.

Safety Data Sheet

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



agricentre.basf.co.uk/Diadem-XE/MSDS

Alternatively, contact your supplier.

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