



Dow AgroSciences



Ceando®

FUNGICIDE

MAPP 16012

A suspension concentrate containing 100 g/litre metrafenone plus 83 g/litre epoxiconazole for use in winter and spring wheat, durum wheat, winter and spring barley, winter and spring oats, rye and triticale

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

10 litres e

SAFETY PRECAUTIONS

Operator protection

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. However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.
WASH HANDS AND EXPOSED SKIN before meals and after work.
WHEN USING DO NOT EAT, DRINK OR SMOKE.
IF YOU FEEL UNWELL, seek medical advice (show 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.

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 5m of the top of the bank of a static or flowing waterbody, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, 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 inspection for three years.

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

UN 3082

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(contains EPOXICONAZOLE, METRAFENONE)
Marine pollutant

Authorisation holder:

BASF plc
Crop Protection
P O Box 4, Earl Road
Cheadle Hulme, CHEADLE
Cheshire SK8 6QG
Tel: 0161 485 6222
Fax: 0161 485 2229

Marketing Company:
Dow AgroSciences Limited,
CPC2 Capital Park,
Fulbourn,
Cambridge,
CB21 5XE

Telephone: 01462 457272
Fax: 01462 426605
24 Hour Emergency
Telephone Number:
+44 (0) 1553 761 251



The
Voluntary
Initiative

This label is compliant with the CPA
Voluntary Initiative Guidance

81111242GB1106



CEANDO®

A suspension concentrate containing 100 g/litre metrafenone plus 83 g/litre epoxiconazole for use in winter and spring wheat, durum wheat, winter and spring barley, winter and spring oats, rye and triticale.

DANGER:
CAUSES SERIOUS EYE IRRITATION.
SUSPECTED OF CAUSING CANCER.
MAY DAMAGE THE UNBORN CHILD.
SUSPECTED OF DAMAGING FERTILITY.
HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

WEAR PROTECTIVE GLOVES/CLOTHING/EYE PROTECTION.
WASH CONTAMINATED BODY PARTS THOROUGHLY AFTER HANDLING.
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: CALL A POISON CENTRE OR DOCTOR PHYSICIAN.
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.



This product is approved under the Plant Protection Products Regulations 2005.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE, as directed below:

Crops	Maximum individual dose	Maximum total dose	Latest time of application
Winter and spring wheat, Durum wheat, Rye, Triticale	1,5 litres product per hectare	3,0 litres product per hectare	up to and including the beginning of flowering (GS61)
Winter and spring barley and oats	1,5 litres product per hectare	3,0 litres product per hectare	up to and including emergence of ear just complete (GS59)

Other specific restrictions:

Do not apply more than two applications of any products containing metrafenone to any one crop (see Resistance Management section)

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.

Ceando is a fungicide with protectant and curative properties for the control of a range of diseases on winter and spring wheat, durum wheat, barley, oats, rye and triticale.

1. Restrictions/Warnings

Avoid spray drift onto neighbouring crops.

Ceando may cause damage to broad-leaved plant species.

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

Wash equipment thoroughly after use.

Consult processor before use.

2. Disease Control

2.1 Disease susceptibility

Ceando is a systemic fungicide with protectant and curative properties for the control of a range of diseases in winter and spring wheat, durum wheat, barley, oats, rye and triticale as shown in the table below.

In winter wheat, spring wheat, durum wheat and oats Ceando will provide control of powdery mildew in preventative situations and moderate curative control of powdery mildew in the latent phase

	Winter wheat	Spring wheat	Durum wheat	Winter barley	Spring barley	Winter oats	Spring oats ¹	Triticale	Rye
Powdery mildew	C	C	C	C	C	C	C	C	C
<i>Septoria tritici</i>	C	C	C					C	
<i>Septoria nodorum</i>	C	C	C					C	
Yellow rust	C	C	C	C	C			C	C
Brown rust	C	C	C	C	C			C	C
Crown rust						C	C		
<i>Rhynchosporium</i>				C	C				C
Net blotch				MC	MC				
<i>Ramularia</i>				MC	R				
Tan spot	MC	MC	MC						
<i>Fusarium</i> ear blight	GR	GR	GR						
Sooty moulds (<i>Cladosporium</i> ; <i>Botrytis</i>)	R	R	R						

C = control

MC = moderate control

GR = good reduction

R = reduction

¹Qualified minor use.

2.2 Resistance management

Apply Ceando according to the instructions for the target diseases at the specific growth stage indicated. Apply a maximum of two sprays of Ceando per crop.

Ceando should be used as part of a resistance management strategy that includes use in mixtures or sequences that are effective against mildew as well as non-chemical methods e.g. cultural control.

Ceando contains metrafenone which is a benzophenone fungicide. Do not apply more than two applications in total of products containing either benzophenones or benzoylpyridines to any one crop. Do not mix with products containing pyriofenone. Avoid using sequential applications of products containing metrafenone.

To reduce the risk of resistance development, where mildew is established at the time of application, Ceando should be used in mix with a mildewicide with an alternative mode of action e.g. fenpropimorph (Corbel).

Strains of certain diseases with decreased sensitivity to triazole fungicides are known to exist in the UK. Where these occur or develop, Ceando may not give satisfactory control.

Ceando 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.

3. Crop specific information

3.1 Crops

Ceando can be used on all varieties of winter wheat, durum wheat, spring wheat, winter barley, spring barley, oats, rye and triticale.

3.2 Time of application

Apply Ceando at the start of foliar disease attack. A maximum of two applications can be made up to the beginning of flowering (GS61) in winter and spring wheat, durum wheat, rye and triticale and up to and including emergence of ear just complete (GS59) in winter and spring barley and oats.

For protection against Fusarium ear blight and sooty moulds (*Cladosporium*, *Botrytis*) on the ears of winter and spring wheat and durum wheat apply Ceando during ear emergence.

3.3 Rate of application

Apply 1.5 litres Ceando in 200 to 400 litres of water per hectare.

Qualified recommendation

If required, water volumes down to 100 litres per hectare may be used, however these have not been supported by effectiveness or crop safety data.

4. Following crops

After treating a cereal crop with Ceando, cereals, oilseed rape, sugar beet, linseed, maize, clover, field beans, peas, turnips, carrots, cauliflower, onions, lettuce and potatoes can be planted as succeeding crops.

5. Mixing and Application

5.1 Mixing

Never prepare more spray solution than is required.

Fill the tank half full with water and start the agitation. To ensure thorough mixing of the product, invert the container several times before opening. Add the required quantity of Ceando to the spray tank while re-circulating. Fill up the tank with water and continue agitation until spraying is completed.

When tank mixes are to be used, take due note of any instructions given as to the order of mixing. Each product should be added separately to the spray tank and fully dispersed before the addition of any further product(s).

On emptying the container, 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.

5.2 Application

Apply as a MEDIUM spray, as defined by BCPC.

6. Compatibility

For product compatibilities please refer to the Dow website <http://uk.dowagro.com/tank-mix-information/>

The following does not form part of the product label under the Plant Protection Products Regulations 2005.

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 Products Regulations 2005.

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:



http://uk.dowagro.com/wp-content/uploads/Ceando_MSDS.pdf

Alternatively, contact your supplier.



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Marine pollutant

Authorisation holder:

BASF plc
Crop Protection
P O Box 4, Earl Road
Cheadle Hulme, CHEADLE
Cheshire SK8 6QG
Tel: 0161 485 6222
Fax: 0161 485 2229

Marketing Company:
Dow AgroSciences Limited,
CPC2 Capital Park,
Fulbourn,
Cambridge,
CB21 5XE

Telephone: 01462 457272
Fax: 01462 426605
24 Hour Emergency
Telephone Number:
+44 (0) 1553 761 251



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