



UPL CHLOROTHALONIL

MAPP 15472

A broad spectrum protectant fungicide for protection against certain diseases affecting wheat and barley.

Contains 500 g/l (40,4% w/w) chlorothalonil in a suspension concentrate.

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

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crop	Maximum individual dose of product	Maximum number of applications	Latest time of application
Winter and spring wheat	2 l/ha	Two per crop	Before GS 71 (grain watery ripe stage)
Winter and spring barley	2 l/ha	Two per crop	Before GS 59 (beginning of heading)

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.

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Contains 500 g/l (40,4% w/w) chlorothalonil in a suspension concentrate.



HARMFUL

Harmful by inhalation.
Irritating to eyes and respiratory system.
Limited evidence of a carcinogenic effect.
May cause sensitisation following skin contact.

Very toxic to aquatic organisms.
May cause long-term adverse effects in the aquatic environment.



DANGEROUS FOR THE ENVIRONMENT

Do not breathe spray.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
This material and its container must be disposed of in a safe way.

Wear suitable protective clothing. Wear suitable gloves.
Wear suitable eye/face protection.
Use appropriate containment to avoid environmental contamination.

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 CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate. OPERATORS MUST WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), AND SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

WASH SPLASHES from skin or eyes immediately.

DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN, before eating, drinking or smoking 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.

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

This product qualifies for inclusion within the Local Environmental 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 PSD 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.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m 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 1m of the top of a ditch which is dry at the time of application. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1m of the top of the bank of a static or flowing waterbody. Aim spray away from water.

Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

KEEP OUT OF REACH OF CHILDREN.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add the washings to the sprayer tank at the time of filling and dispose of container safely.

DO NOT RE-USE EMPTY CONTAINERS.

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

Safety data sheet available for professional user on request.

PROTECT FROM FROST SHAKE THOROUGHLY BEFORE OPENING

Batch No:

Contents

10 Litres

United Phosphorus Ltd.

The Centre, Birchwood Park, Warrington, WA3 6YN

Telephone: 01925 819999 Fax: 01925 817425

IN CASE OF TOXIC OR TRANSPORT EMERGENCY PLEASE CALL CARECHEM24 INTERNATIONAL ON 0208 762 8322



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.

UPL Chlorothalonil is a fungicide recommended for the protection winter and spring wheat and winter and spring barley against a range of diseases in accordance with the statutory conditions. For the best results, UPL Chlorothalonil must be applied in advance of the disease according to a planned programme of disease control. Established infections are not controlled. UPL Chlorothalonil should be used as part of an integrated fungicide management programme with alternative fungicides to give a comprehensive disease control.

Crop	Disease	Method and timing	Rate of use
Winter wheat and spring wheat	Leaf spot, <i>Septoria tritici</i>	In the period 1 st - 2 nd node GS30-32, apply immediately disease appears.	1-2 l/ha in 200 l/ha water
	Glume blotch, <i>Leptosphaeria (syn Septoria) nodorum</i>	Normally apply from third node detectable to mid flowering stage (GS33-65). However if disease is present at GS33, it is essential to spray early. Apply within the period GS33-39 for best results. Otherwise apply as soon as disease is anticipated or shows signs of spreading. Late application has a reduced effect. Powdery mildew, if present or likely to occur, should be controlled with a specific mildewicide in a tank-mixture otherwise control of <i>Septoria spp.</i> is likely to be reduced.	Early (from GS33) <u>disease</u> from 1 l/ha
	Leaf spot, <i>Septoria tritici</i>		<u>High risk situations</u> 2 l/ha in 200 l/ha water
Winter and spring barley	Leaf blotch <i>Rhynchosporium secalis</i> – moderate control	For best results apply in tank mixture with a product having a complementary effect, e.g. fenpropimorph, as soon as disease is seen. Repeat once before the beginning of heading (GS59) if there is severe disease pressure or if there is a risk of leaf spotting.	2 l/ha in minimum 200 l/ha water per application

SPRAY MIXING

Invert the product container several times and shake thoroughly before opening. Add the required quantity of UPL Chlorothalonil to the spray tank already half-filled with water and under agitation. Top up the spray tank with water to the required level and keep under constant agitation before, during and until completion of spraying. Thoroughly clean all equipment after use.

SPRAY APPLICATION

Apply UPL Chlorothalonil as a MEDIUM spray (BCPC definition) to dry crop foliage when rain is not expected until the spray has dried. Increase the volume of water in line with crop growth using the maximum spray volume when the vegetation is most dense. Spray evenly and ensure thorough even coverage of the crop foliage.

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 of 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 resellers 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.