

Ralos®

HERBICIDE

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Product Registration Number: MAPP 16737

A suspension concentrate containing 500 gai/l metazachlor, 5.3 gae/l aminopyralid and 13.3 gae/l picloram.

A residual herbicide effective against a wide range of weeds in winter oilseed rape.

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

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

PROTECT FROM FROST.

READ DIRECTIONS FOR USE ON ATTACHED LEAFLET.

Dow AgroSciences Limited

CPC2 Capital Park, Fulbourn, Cambridge, CB21 5XE.

Telephone: (01462) 457272 Fax: (01462) 426605

24 Hour Emergency Telephone Number: 0161 884 1235

Technical Hotline : 0800 689 8899

e-mail : ukhotline@corteva.com

This label is compliant with the CPA Voluntary Initiative Guidance.



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

<https://www.corteva.co.uk/content/dam/dpagco/corteve/eu/gb/en/files/sds/RALOS-SDS.pdf>

Alternatively contact your supplier



NET CONTENTS : 10 LITRES 

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A residual herbicide effective against a wide range of weeds in winter oilseed rape.

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 when handling the concentrate and contaminated surfaces.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows 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:

Extreme care must be taken to avoid spray drift onto non-crop plants outside the target area.

HARMFUL TO LIVESTOCK. Keep all livestock out of the treated areas for at least one week and foliage of any poisonous weeds such as ragwort has died and become unpalatable.

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from yards and roads.

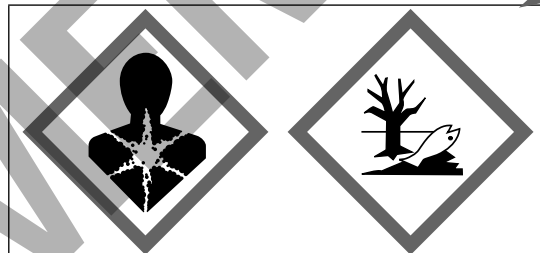
To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

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

**LERAP
B**

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 safely.
DO NOT RE-USE CONTAINER for any purpose



Product Identifier according to Art.18 of Reg. (EC) No 1272/2008 [CLP]:Ralos®, Metazachlor.

WARNING

Suspected of causing cancer

Very toxic to aquatic life with long lasting effects

Do not handle until all safety precautions have been read and understand

Wear protective gloves/clothing

Use personal protective equipment as required

If on skin: wash with plenty of soap and water

If exposed or concerned: get medical advice/attention

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

CONTAINS METAZACHLOR AND PICLORAM-TRISOPROPANOLAMMONIUM. 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 AN AGRICULTURAL HERBICIDE

Situation:	Winter oilseed rape
Maximum Individual Dose:	}
Maximum Total Dose:	} Full details are given in the Important
Latest Time of Application:	} Information area on the attached leaflet
Other Specific Restrictions:	}

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.

IMPORTANT INFORMATION.

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crop/Situation	Maximum Individual Dose	Maximum Total Dose	Latest Time of Application
Winter oilseed rape	1.2 litre(s) product/ha	1.2 litre(s) product/ha/crop	Pre-emergence of the crop (BBCH08)
Winter oilseed rape	1.5 litre(s) product/ha	1.5 litre litre(s) product/ha/year	Three leaves unfolded (BBCH13)

Other Specific Restrictions:

Only one application of RALOS may be applied every 3 years.

Do not use between the 16th October and 31st July.

Users must have received adequate instruction, training and guidance in the safe use of the product and must take all reasonable precautions to protect the health of human beings, creatures and plants and safeguard the environment.

This product must not be used on land where vegetation will be cut for animal feed, fodder or bedding nor for composting or mulching within one calendar year of treatment. A maximum total dose of not more than 1.0 kg metazachlor/hectare may be applied in a three year period on the same field.

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GENERAL WARNINGS

ALL CROPS

Do not use any plant material treated with RALOS for composting or mulching.

Do not use manure from animals fed on crops treated with RALOS for composting.

Do not use digestate from anaerobic digestion plants on crops susceptible to damage from RALOS such as peas, beans and other legumes; carrots and other umbellifers; potatoes; lettuce and other compositae; glasshouse and protected crops.

DO NOT remove oilseed rape straw from the field unless it is to be used for burning for heat or electricity production.

Residues of RALOS in plant tissues (including manure) which have not completely decayed may affect succeeding susceptible crops. If treated crop remains have not fully decayed by the time of planting following crops then avoid planting: peas, beans and other legumes; carrots and other umbellifers; potatoes; lettuce and other compositae; glasshouse and protected crops.

Chop and incorporate all treated plant remains in the early autumn (or as soon as possible after harvest) to release any residues into the soil, where they are more quickly broken down. Following good agronomic practice ensure that stubble and straw (including farmyard manure) and other treated plant remains have completely decayed before planting susceptible crops.

Do not apply RALOS to sands and very light soils and soils containing more than 10% organic matter.

Following application, some phytotoxicity may occur, especially in the form of leaf deformation. This is usually outgrown and does not normally affect yield.

NOTES

Take care to avoid drift onto crops and non-target plants outside the target area.

Wash spraying equipment thoroughly with water and a liquid detergent immediately after use. Spray out. Fill with clean water and leave overnight. Spray out again before storing or using another product, particularly where changing over from herbicides to insecticides. Traces of RALOS can cause harm to susceptible crops sprayed later.

MIXING

Fill the spray tank half full with water and add the required amount of RALOS mixing well, then complete filling.

SPRAY QUALITY

Apply RALOS as a MEDIUM spray as defined by the BCPC system.

RALOS should be applied in a water volume of 200-400 L/ha

FOLLOWING CROPS

Following application of RALOS the following restrictions on planting following crops must be observed:

Wheat, barley, oats, maize, oilseed rape: 4 months (120 days)

All other crops: 12 months (1 year)

In the event of crop failure of an autumn treated RALOS crop only the following crops may be planted: spring oilseed rape, spring wheat, spring barley, spring oats, maize or ryegrass (provided ploughing or thorough cultivation is undertaken prior to replanting).

Oilseed rape

RALOS can be applied to all varieties of winter oilseed rape.

RALOS can be applied pre emergence of the crop or post emergence.

Pre emergence.

Apply RALOS at 0.8 to 1.2 L/ha on medium and heavy soils where the seed bed is well consolidated and free from clods. Applications should be made from drilling up to the chitting of the oilseed rape seed. In warm moist soils this can occur in as little as 48 hours from drilling.

The following weeds will be controlled:

Target Weed	0.8 L/ha	1.2 L/ha	Target Weed	0.8 L/ha	1.2 L/ha
Cleavers	MR	MR	Field pansy	R	MR
Common chickweed	S	S	Field pennycress	MS	MS
Common field poppy	MS	S	Henbit deadnettle	-	S
Common field speedwell	-	MS	Ivy leaved speedwell	MR	MR
			Red deadnettle	MS	S
			Scentless mayweed	S	S
Fat hen	-	MS	Shepherds Purse	MS	MS

Key: ; R= Resistant; MR = Moderately Resistant; MS = Moderately Susceptible; S = Susceptible

Early post emergence.

Apply RALOS at 0.8 to 1.5 L/ha on light, medium and heavy soils at the fully expanded cotyledon stage.

The following weeds will be controlled:

Target Weed	0.8 L/ha	1.2 L/ha	1.5 L/ha	Target Weed	0.8 L/ha	1.2 L/ha	1.5 L/ha
Cleavers	MS	MS	MS	Field pennycress	MS	S	S
Common chickweed	S	S	S	Henbit deadnettle	-	-	S
Common field poppy	MS	MS	S	Ivy leaved speedwell	R	MR	MR
				Red deadnettle	MS	S	S
				Scented mayweed	S	S	S
				Scentless mayweed	MS	S	S
Fat hen	-	-	S	Shepherds Purse	MR	MS	MS

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Post emergence application is recommended where seed bed consolidation is poor, where seedbeds are rough, where the seed is not covered by at least 15mm of soil, on broadcast crops, late drilled crops, crops grown on any soil type that is stony in nature, or where heavy rain is forecast during or immediately after the pre-emergence application window.

RALOS is a Trademark of The Dow Chemical Company ("Dow") or an Affiliated Company of Dow.

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Dow AgroSciences 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 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. 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.

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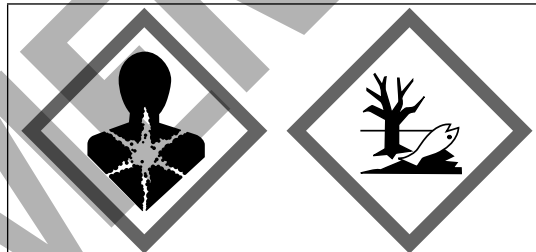
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