



BELKAR[®]

Herbicide

GROUP	4	HERBICIDES
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Product Registration Number: MAPP No. 18615

An Emulsifiable Concentrate (EC) formulation containing 10 g /L of halauxifen-methyl + 48 g /L picloram.

A post-emergence herbicide for use on winter oilseed rape in autumn for the control of a wide range of broadleaved weeds.

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

PROTECT FROM FROST.

READ DIRECTIONS FOR USE ON ATTACHED LEAFLET.

Net Contents: 5 to 20.0 Litre(s) e

Authorisation Holder:

Corteva Agriscience UK Limited

Unit H4, Building H, Melbourne Science Park, Cambridge Road, Melbourn,
Cambridgeshire, SG8 6HB, UK.

24 Hour Emergency Telephone Number: 0161 884 1235

Technical Hotline: 0800 689 8899, e-mail: ukhotline@corteva.com

National Poisons Information Service: 111

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This label is compliant with the CPA Voluntary Initiative Guidance.



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 they provide an equal or higher standard of protection.

DO NOT BREATHE SPRAY.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH CONCENTRATE from skin and eyes immediately.

WASH HANDS AND EXPOSED SKIN before eating and drinking, and after work.

Environmental protection:

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. Spray must be aimed 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.)



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

Storage and disposal:

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.

 	<p>BELKAR® UFI code: 0XH9-70NE-Q00F-U8FN</p> <p>Warning</p> <p>Causes serious eye irritation May cause respiratory irritation Very toxic to aquatic life with long lasting effects</p> <p>Wear protective gloves/protective clothing/eye/face protection. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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. Repeated exposure may cause skin dryness or cracking.</p> <p>To avoid risks to human health and the environment, comply with the instructions for use.</p>
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IMPORTANT INFORMATION.

FOR USE ONLY AS AN PROFESSIONAL HERBICIDE

Situation:	Winter oilseed rape
Maximum Individual Dose:	}
Maximum Total Dose:	} Full details are given in the Important Information
Latest Time of Application:	} 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 PROFESSIONAL HERBICIDE					
Crop/Situation		Maximum Individual Dose (litres product/ha)	Maximum Total Dose (litres product/ha)	Latest Time of Application	Aquatic Buffer Zone Distance
Winter rape	oilseed	0.5	0.5	Before 1 st January and no later than 8 leaves unfolded (BBCH 18)	5 m
Other Specific Restrictions: DO NOT apply 0.25L/ha before 1 st September or BBCH 12 (2 true leaves). DO NOT apply 0.5 L/ha before 15 th September or BBCH 16 (6 true leaves).					
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.					

GENERAL INFORMATION

INTRODUCTION

BELKAR is a selective post-emergence herbicide for use in winter oilseed rape.

BELKAR has foliar activity against a wide range of annual broadleaved weeds including cleavers, common poppy, mayweed, shepherd's purse and cranesbill. BELKAR is mainly absorbed through the foliage of the target weeds. The ideal timing is when the weeds are small and actively growing.

WARNINGS

Do not treat crops under stress. Stress can be caused by many factors including frost, drought, water logging, trace element deficiency, disease and pest attack, etc. BELKAR can sometimes induce transient crop yellowing, growth inhibition or leaf deformation. This has no impact on final crop yield and quality.

Avoid overlapping of spray swaths.

Do not roll or harrow 7 days before or after application.

Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area. Particular care should be taken to avoid spray drift onto susceptible crops e.g. peas, beans, alfalfa etc.

Avoid mixing BELKAR with growth regulators and fungicides known to have growth regulatory effects, e.g. metconazole, tebuconazole.

MODE OF ACTION and RESISTANCE MANAGEMENT

Product	Type	Active	HRAC group	Risk for resistance development
BELKAR	HERBICIDE	picloram	4	Low
		halauxifen-methyl	4	Low

BELKAR contains two active ingredients: halauxifen-methyl and picloram. Halauxifen-methyl and picloram are both pyridine carboxylic acids, but Halauxifen-methyl is an arylpicolinate. Both actives have a Group 4 HRAC classification. The risk of resistance developing to these Group 4 herbicides is considered to be low. Even though the risk of resistance developing is low, the following precautions are recommended to minimize any potential risk building:

- use rates to maximise control of high risk/difficult to control weed species
- follow label statements concerning rates and timing of application
- consider the use of cultural control methods and crop rotation where possible.

SOIL TYPE

BELKAR can be used on any soil type.

CROPS

BELKAR can be used on winter oilseed rape for the control of broadleaved weeds.

TIMING

BELKAR can be applied as a single application at a rate of 0.25 L/ha from the 1st September to the 31st December, once the crop has 2 leaves unfolded until the crop has 8 leaves unfolded (BBCH 12-18).

A sequential application at 0.25 L/ha can be made a minimum of 2 weeks after the first application if new weed emergence occurs.

BELKAR can also be applied at a later growth stage at a rate of 0.5 L/ha from the 15th September to the 31st December, once the crop has 6 leaves unfolded until the crop has 8 leaves unfolded (BBCH16-18).

For best results apply BELKAR to small weeds which will respond quicker when treated at early stages. Vigorous crop competition enhances control of difficult to control weeds.

RATE OF USE, WEED SUSCEPTIBILITY AND MAXIMUM SIZE CONTROLLED

When applied at 0.25 L/ha BELKAR will control the following weeds:

Weed species	Maximum growth stage controlled	Susceptibility
Cleavers	Up to 2 cm high/across	S
Common fumitory	Up to 3 cm high/across	S
Red deadnettle	Up to 2 cm high/across	S
Scented mayweed	Up to 2 cm high/across	S
Small-flowered cranesbill	Up to 2 cm high/across	S

Weed species	Maximum growth stage controlled	Susceptibility
Common poppy	Up to 2 cm high/across	MS
Field pennycress	Up to 2 cm high/across	MS
Scentless mayweed	Up to 1 cm high/across	MS
Shepherd's purse	Up to 2 cm high/across	MS

When BELKAR is applied as a sequence of 0.25 L/ha followed by a further 0.25 L/ha the following weeds are controlled:

Weed species	Maximum growth stage controlled	Susceptibility
Cleavers	Up to 5 cm high/across	S
Common fumitory	Up to 5 cm high/across	S
Common poppy	Up to 5 cm high/across	S
Field pennycress	Up to 6 cm high/across	S
Red deadnettle	Up to 5 cm high/across	S
Scented mayweed	Up to 5 cm high/across	S
Scentless mayweed	Up to 5 cm high/across	S
Shepherd's purse	Up to 4 cm high/across	S
Small-flowered cranesbill	Up to 5 cm high/across	S

Weed species	Maximum growth stage controlled	Susceptibility
Common chickweed	Up to 5 cm high/across	MS

When applied at 0.5 L/ha BELKAR will control the following weeds:

Weed species	Maximum growth stage controlled	Susceptibility
Cleavers	Up to 10 cm high/across	S
Common fumitory	Up to 15 cm high/across	S
Common poppy	Up to 8 cm high/across	S
Red deadnettle	Up to 8 cm high/across	S
Scented mayweed	Up to 8 cm high/across	S
Scentless mayweed	Up to 8 cm high/across	S
Shepherd's purse	Up to 10 cm high/across	S
Small-flowered cranesbill	Up to 8 cm high/across	S

Weed species	Maximum growth stage controlled	Susceptibility
Common chickweed	Up to 8 cm high/across	MS
Field pennycress	Up to 8 cm high/across	MS

WEATHER CONDITIONS

BELKAR can be used in cold or warm (from 2 to 25 °C), humid or dry conditions. In severe drought conditions there can be a slight reduction in efficacy.

RAINFASTNESS

BELKAR is rainfast one hour after application.

VOLUME

Using standard or low drift nozzles the recommended spray volume is 150 to 300 litres of water per hectare. The lowest water volume should only be used in open crops on small weeds. On later applications where the crop is dense, the spray volume should be increased to 200-300 litres of water per hectare.

FOLLOWING CROPS AND CROP FAILURE

Following application of BELKAR the following intervals must be observed before planting following crops in normal rotation and in cases of a crop failure:

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

All other crops: 12 months (1 year)

Ploughing or thorough cultivation should be undertaken prior to planting leguminous crops (e.g. field beans and peas).

MIXING

BELKAR can be used with hydraulic boom sprayers. It can be added to the top of the tank or through induction bowls. Add the appropriate amount of BELKAR to clean water in a half-filled sprayer tank, mix thoroughly and add the remainder of the water. The spray mix must be agitated continuously during mixing and until application is complete.

SPRAY QUALITY

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

TANK CLEANING

Following an application of BELKAR, all spraying equipment must be thoroughly cleaned both inside and out using a proprietary spray tank cleaner as follows:

1. Immediately after spraying thoroughly and completely rinse all internal surfaces.
2. Rinse inside of tank with clean water and flush through booms and in-line filters using at least one tenth of the spray tank volume. Drain tank completely.
3. Fill tank with clean water (minimum 10% of tank capacity) and add tank cleaner at the recommended rate and agitate for 15 minutes. Flush the boom and hoses and drain tank completely.
4. Nozzles and filters should be removed and cleaned separately with a tank cleaner at the recommended rate.
5. Rinse the tank with clean water and flush through the boom and hoses using at least one tenth of the spray tank volume. Drain tank completely.
6. For disposal of washings, follow Code of Practice for Using Plant Protection Products. Do not spray onto sensitive crop or land intended for cropping with sensitive crop.

Note: If it is not possible to drain the tank completely, step 3 must be repeated before going onto step 4.

COMPANY ADVISORY INFORMATION

The following information does not form part of the product label under the UK plant protection products regulations and provides additional advice on product use at the discretion of Corteva Agriscience.

TRADEMARK ACKNOWLEDGEMENTS

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All other brand names are trademarks of other manufacturers for which proprietary rights may exist.

Corteva Agriscience 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.

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/corteva/>

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Alternatively contact your supplier