



Kerb[®] FLO 500

HERBICIDE

Product Registration Number: MAPP 15586.

A suspension concentrate containing 500 g/litre (43.86% w/w) propyzamide.

A residual herbicide for the control of a wide range of weeds in WINTER OILSEED RAPE and WINTER FIELD BEANS.

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

READ DIRECTIONS FOR USE ON ATTACHED LEAFLET.

SHAKE WELL BEFORE USE.

PROTECT FROM FROST.

10 Litres e

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) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate or contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying by vehicle-mounted or trailed equipment.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection. WASH HANDS before meals 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.

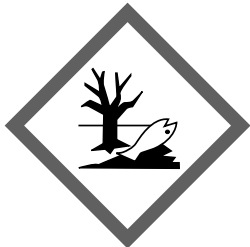
Storage and disposal:

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

EMPTY CONTAINER COMPLETELY and dispose of safely.

This label is compliant with the CPA Voluntary Initiative Guidance.





Product Identifiers according to Art.18 of Reg. (EC) No 1272/2008

[CLP]: Kerb® Flo 500, Propyzamide

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 understood.

Wear protective gloves/protective clothing/eye protection/face protection.

Collect Spillage.

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 1,2-benzisothiazolin-3-one. 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

Crops/Situations

Oilseed rape (winter), field bean (winter)

Maximum Individual Dose

Maximum Number of Treatments

} 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 AGRICULTURAL HERBICIDE

Crops/Situations	Maximum Individual Dose (litres product/hectare)	Maximum Number of Treatments	Latest Time of Application
Oilseed rape (winter), field bean (winter)	1.7	One per crop	Before 1 st February in year of harvest

Other Specific Restrictions:

THIS PRODUCT MAY ONLY BE APPLIED TO EDIBLE CROPS BETWEEN 1st OCTOBER AND THE SPECIFIED LATEST TIME OF APPLICATION.

DO NOT HARVEST CROPS FOR HUMAN OR ANIMAL CONSUMPTION FOR AT LEAST 6 WEEKS AFTER LAST APPLICATION. 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.

WARNINGS

Take care to avoid local overdosing.

Do not make more than one application of KERB FLO 500 within 9 months to the same area of land.

SOIL TYPES

KERB FLO 500 can be used on all soil types with the following exceptions:

1. Do not use on soils containing more than 10% organic matter.
2. Do not use on winter field beans grown in sands, very light soils or light soils.

SOIL TEXTURE (85 System)	
Textural Group	Textural class
Sands	Coarse sand, Sand, Fine sand, Loamy coarse sand
Very Light Soils	Loamy sand, Loamy fine sand, Coarse sandy loam
Light Soils	Sandy loam, Fine sandy loam, Sandy silt loam, Silt loam (85)
Medium Soils	Sandy clay loam, Clay loam, Silty clay loam
Heavy Soils	Sandy clay, Clay, Silty clay

SOIL AND WEATHER CONDITIONS

KERB FLO 500 requires moisture for root uptake. Best residual action is obtained in moist soils of fine tilth.

KERB FLO 500 can be applied under frosty conditions but should not be used where run-off from the soil surface is likely.

Best results are achieved when growth of weeds (especially blackgrass and volunteer cereals) is slow, but transpiration continues. In mild autumns/winters, emerged weeds may take longer to be controlled, the residual activity of KERB FLO 500 will be shortened and overall control may be reduced.

The efficacy of KERB FLO 500 may be reduced in organic soils and in the presence of excessive surface organic debris, burnt straw, ash, or ploughed-up turf.

In winter field beans ensure a firm seedbed before spraying.

RESISTANCE

Strains of some annual grasses (e.g. blackgrass, wild-oats, and Italian ryegrass) have developed resistance to herbicides which may lead to poor control. A strategy for preventing and managing such resistance should be adopted. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor, crop adviser or product manufacturer.

CROP INFORMATION

Note: Specific application information for each crop is contained in the Crop Recommendation Tables that follow.

WINTER OILSEED RAPE

KERB FLO 500 can be applied after the use of an approved specific graminicide applied in accordance with the manufacturer's recommendations.

WATER VOLUMES

Apply KERB FLO 500 in 200 to 1000 litres of water per hectare.

Ensure good ground cover.

APPLICATION EQUIPMENT

Application may be made through a ground crop sprayer.

Do not apply through broadcast air-assisted sprayer.

CROP RECOMMENDATION TABLES

S = Susceptible MS = Moderately susceptible MR = Moderately resistant R = Resistant

Crop	Rate of Use	Weed Species	Stage of Weed Growth			Time of Year	Timing Stage of Crop	Soil Type (Soil Texture (85 System))
			Germinating	Up to 2 leaf	Established			
Winter oilseed rape	1.4 litres/ha	Annual meadow-grass, barren brome, volunteer cereals, wild-oat	S	S	S	1 st October to 31 st January	As soon as possible after 3rd true leaf stage.	All soils with less than 10% organic matter.
		Common chickweed	S	S	S ¹			
		Blackgrass	S	S	MS ²			
		Black-bindweed, black nightshade, fat-hen, knotgrass, redshank, small nettle, speedwells	S	S	MR			
		Field forget-me-not	MS	MS	R			
		Cleavers	MS	MR	R			
		Annual meadow-grass, volunteer cereals, wild-oat	S	S	S			
	1.0 litres/ha - Use this rate only if a specific graminicide has controlled volunteer cereals and grass weeds and chickweed is not a problem	Black-bindweed, black nightshade, common chickweed, fat-hen, knotgrass, redshank, small nettle	S	S	R			
		Speedwells	S	R	R			

Crop	Rate of Use	Weed Species	Stage of Weed Growth			Time of Year	Timing Stage of Crop	Soil Type (Soil Texture (85 System))
			Germinating	Up to 2 leaf	Established			
Winter field beans	1.7 litres/ha	Annual meadow-grass, barren brome, common chickweed, volunteer cereals, wild-oat	S	S	S	1 st October to 31 st January	Within 7 days after drilling but before crop emerges	Use only on medium or heavy soils with less than 10% organic matter.
		Blackgrass	S	S	MS			
		Black-bindweed, black nightshade, fat-hen, knotgrass, redshank, small nettle, speedwells	S	S	MR			
		Cleavers	MS	MR	R			

NOTES FOR CROP RECOMMENDATION TABLES

1	Chickweed control may be reduced where it is well established (over 10 cm in diameter)
2	<p>CONTROL OF BLACKGRASS IN WINTER OILSEED RAPE</p> <p>Established (well-tillered) blackgrass is moderately susceptible: Where populations of blackgrass and/or volunteer cereals exceed 50/m² KERB FLO 500 should be applied in tank mix with an approved graminicide, or following an effective approved graminicide to ensure optimum weed control.</p> <p>Where partial resistance (R[#] or RR[#]) to the partner graminicide is known to exist the dose of KERB FLO 500 may be increased to 1.7 litres/ha. This may also be done if applications are made early in the season, under warm conditions and an increase in the duration of residual control is required (see 'Soil and weather conditions' above).</p> <p>Where high levels of resistance (RRR[#]) to the partner graminicide occurs there is no advantage of adding this graminicide to KERB FLO 500 for blackgrass control, and KERB FLO 500 even at 1.7 litres/ha will not give acceptable levels of established blackgrass control in these circumstances.</p> <p>Deeper germinating blackgrass within the soil profile could reduce product efficacy. When applied alone in late season, it is unlikely this higher dose will markedly improve control of well-tillered blackgrass.</p> <p># R = 1* RR = 2*/3* RRR = 4*/5*</p>

FOLLOWING CROPS

The number of weeks which must elapse between the last application of KERB FLO 500 and drilling or planting of the following crop is shown in the table below:

Following crops	Rate of KERB FLO 500 applied to previous crop	Date KERB FLO 500 applied to previous crop
		1 st August – 31 st January
Lettuce	1.7 litres/ha	0 weeks
Field beans, broad beans, peas, chicory, radish, clover, lucerne	1.7 litres/ha	10 weeks
Brassicacae, leeks, onions, parsley, parsnips, celery, oilseed rape, strawberries	1.7 litres/ha	25 weeks or plant/sow after 15 th June whichever occurs sooner
Cereals and grasses ³	1.7 litres/ha	30 weeks
Any other crop ³	1.7 litres/ha	40 weeks

³ Treated land must be mouldboard ploughed to a depth of 15 cm prior to drilling a following cereal, grass or any other crop not listed above.

Please consult Dow AgroSciences if a treated crop fails because of bad growing conditions.

MIXING

Add half the required volume of water to the spray tank and begin agitation. Shake the container vigorously and add the recommended quantity of KERB FLO 500 through the filter basket. When container becomes empty, wash out with water and add the washings through the filter basket. Rinse through the filter basket and add the rest of the water. Agitate while topping up the tank and continue agitation until spraying is complete.

Spray immediately: do not allow the mixture to stand.

Thoroughly wash all spraying and measuring equipment with water immediately after use.

COMPATIBILITY

For the latest advice on tank mixes please contact Dow AgroSciences or your distributor.

TRADEMARK ACKNOWLEDGEMENTS

KERB is a trademark of the Dow Chemical Company ("Dow") or an affiliated company of Dow

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.

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/KERB-FLO-500-SDS.pdf>

Alternatively contact your supplier

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