

# Astrokerb®

## HERBICIDE

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**GROUP K1 O HERBICIDE**

Product Registration Number: MAPP 16184/PCS No. 05322

A suspension concentrate containing 100 g/litre propyzamide and 5.3 g/litre aminopyralid (present as 6.3 g/litre aminopyralid potassium salt).

A foliar and residual herbicide for the control of 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 (UK Only)

**READ DIRECTIONS FOR USE ON ATTACHED LEAFLET**

**PROTECT FROM FROST**

Approval Holder:

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This label is compliant with the C.A. Voluntary Initiative Guidance. (UK Only)



**Triple Rinse Containers, Puncture and Invert to Dry at time of Use**

**PROFESSIONAL USE ONLY**



**AstroKerb®**

**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.

IF exposed or concerned: Get medical advice / attention.

Collect spillage

Dispose of contents / container to a licensed hazardous waste disposal contractor or collection

site except for triple rinsed empty 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.**

MAPP 16184/PCS No. 05322

**NET CONTENTS : 10 LITRES e**



**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 A PROFESSIONAL HERBICIDE

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

**Other Specific Restrictions:**  
Do not harvest crops for human or animal consumption for at least 6 weeks after application.

Livestock must be kept out of treated areas for at least 1 week following treatment and until poisonous weeds such as ragwort have died and become unpalatable.

Users must have received adequate instruction and guidance in the safe and efficient use of the product and must take all reasonable precautions to protect the health of human beings and non-target organisms and safety to the environment.

The 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.

Following crops (winter and spring wheat) should not be planted within 30 weeks of application of ASTROKORB.

**READ THE LABEL BEFORE USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL. IT WILL BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

**WARNING:**  
ASTROKORB contains aminopyralid, traces of this material in oilseed rape straw can damage sensitive crops. Aminopyralid residues in plant tissues which have not completely decayed may affect succeeding susceptible crops e.g. peas, beans and other legumes, sugar beet, fodder beet, carrots and umbelliferae, potatoes and tomatoes, lettuce and other composites. Therefore following good agricultural practice ensure that all remains of the oilseed rape crop have completely decayed before planting susceptible crops.

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

DO NOT feed animals with treated oilseed rape straw.

DO NOT use oilseed rape straw for animal bedding.

DO NOT use oilseed rape straw for composting or mulching.

Take care to avoid local over-dosing.

Do not make more than one application of ASTROKORB to any one crop.

If animals are inadvertently fed or bedded on oilseed rape straw treated with ASTROKORB, do not use animal waste for composting.

Do not use on crops grown for seed.

**Neighbouring Crops / Plants**

Avoid damage by drift onto susceptible crops, non-target plants or waterways. Do not apply directly to, or allow spray drift to come into contact with agricultural or horticultural crops, amenity plantings, gardens, ponds, lakes or watercourses.

**SOIL TYPES**

ASTROKORB can be used on all soil types except those containing more than 10% organic matter.

**SOIL AND WEATHER CONDITIONS**

ASTROKORB requires moisture for root uptake. Best residual action is obtained in soils of fine tilth.

ASTROKORB 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 ASTROKORB will be shortened and overall control may be reduced.

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

**RESISTANCE**

Strains of some annual grasses (e.g. blackgrass, wild oats, 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 AHDB, CPA, your distributor, crop adviser or product manufacturer.

**WINTER OILSEED RAPE**

ASTROKORB can be applied after the use of an approved specific graminicide applied in accordance with the manufacturers' recommendations.

**WATER VOLUMES**

Apply ASTROKORB in 200 to 300 litres of water per hectare.

Ensure good ground cover.

**APPLICATION EQUIPMENT**

Application should be made through a ground crop sprayer.

Do not apply through broadcast air-assisted sprayers.

### 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	1.5 L/ha	Annual meadow-grass, barren brome, volunteer cereals, wild-oat	S	S	S	October to 31 <sup>st</sup> January	As soon as possible after 3rd true leaf stage	All soils with less than 10% organic matter
		Common chickweed <sup>1</sup> , mayweed, common poppy	S		S <sup>1</sup>			
		Blackgrass <sup>2</sup>	S	S	MS <sup>2</sup>			
		Black-bindweed, black nightshade, fat-hen, knotgrass, redshank, small nettle, speedwells		S	M			
	Field forget-me-not	MS	MS	S				
	Cleavers	MS	M	R				
1.0 L/ha - Use this rate only where a specific graminicide has controlled volunteer cereals and grass weeds and chickweed is not a problem	Annual meadow-grass, volunteer cereals, wild-oat	S	S	S				
	Black bindweed, black nightshade, common chickweed, fat-hen, knotgrass, redshank, small nettle	S	S	R				
	Speedwells		R	R				

\* \* Established = 3 true leaves or flower bud development

#### NOTES FOR CROP RECOMMENDATION TABLES

1	Chickweed control may be reduced when it is well established (over 10 cm in diameter)
2	<p><b>CONTROL OF BLACKGRASS</b></p> <p>Established (well-tillered) blackgrass is moderately susceptible: Where populations of blackgrass and/or volunteer cereals exceed 50/m<sup>2</sup> ASTROKORB should be applied in tank mix with an approved graminicide, or following an effective approved graminicide to ensure optimum weed control.</p> <p>Deeper germinating blackgrass within the soil profile could reduce product efficacy.</p> <p>Where partial resistance (R<sup>1</sup> or RRR<sup>1</sup>) to the partner graminicide is known to exist the dose of ASTROKORB may be increased to 1.7 L/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<sup>2</sup>) to the partner graminicide occurs there is no advantage of adding this graminicide to ASTROKORB for blackgrass control, as ASTROKORB even at 1.7 L/ha will not give acceptable levels of established black-grass control in these circumstances.</p> <p>R = 1 * RR = 2 * RRR = 4 * 5 *</p>

### FOLLOWING CROPS

Winter cereals and spring cereals only.  
Treated land must be mouldboard ploughed to a depth of 15 cm prior to drilling a following cereal crop.  
Please consult Corteva Agriscience 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. Add the recommended quantity of ASTROKERB. Agitate while topping up the tank and continue agitation until spraying is complete.

### TANK CLEANING

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

To avoid subsequent injury to crops, all spraying equipment must be thoroughly cleaned both inside and out after an application of ASTROKERB.

1. Immediately after spraying, drain tank completely. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
2. Rinse inside of tank with clean water and flush through booms and hoses using at least one tenth of the spray tank volume. Drain tank completely.
3. Half fill tank with clean water. Agitate and then briefly flush the boom and hoses. Top up with water making sure the tank is completely full and allow to stand for 15 minutes with agitation. Flush the boom and hoses and drain tank completely.
4. Nozzles and filters should be cleaned separately and removed if necessary.
5. For disposal of washings, follow local regulations. Do not spray onto sensitive crops 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.

### TRADEMARK KNOWLEDGEMENTS

ASTROKERB is a trademark of Corteva Agriscience and its affiliated companies. All other brand names used in this document are trademarks of other manufacturers in which proprietary rights may exist.

### COMPANY ADVISORY INFORMATION (UK only)

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.

### 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.

### UK

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/eu/gb/en/files/sds/ASTROKERB-SDS.pdf>

Alternatively contact your supplier

### REPUBLIC OF IRELAND

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



<https://www.corteva.ie/content/dam/dpagco/corteva/eu/ie/en/files/sds/ASTROKERB-IRL-SDS.pdf>

Alternatively contact your supplier