

**Avocet®**

HERBICIDE

® Registered Trademark of Corteva Agriscience and its affiliated companies

**GROUP 2 HERBICIDE**

**Product Registration Number: MAPP 14829**

A water dispersible granule containing 7.5% w/w pyroxsulam and 7.5% w/w cloquintocet-mexyl.



**Avocet®**

**WARNING:**

**Very toxic to aquatic life with long lasting effects**

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 Pyroxsulam, Cloquintocet-mexyl and disodium maleate. 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 A PROFESSIONAL HERBICIDE**

**Crops / Situations:**

Wheat (winter), rye, triticale

**Maximum Individual Dose:**

250 g product per hectare

**Maximum Number of Applications:**

One per crop

**Latest Time of Application:**

Before third node detectable stage (Zadoks 32 inclusive)

**Other Specific Restrictions:**

To avoid the build-up of resistance, do not apply this or any other product containing an ALS inhibitor herbicide with claims for control of grass-weeds more than once to any crop.

**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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# SAFETY PRECAUTIONS

## **Operator protection**

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

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

AVOID EYE AND SKIN CONTACT.

## **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.)

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

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 metres of the top of the bank of a static or flowing waterbody, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 metre of the top of a ditch which is dry at the time of application.

Aim spray away from water.

Spray from hand-held sprayers must not be allowed to fall within 1m of the top of the bank of a static or flowing waterbody. 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 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.

## **Storage and disposal:**

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

KEEP IN ORIGINAL CONTAINER, in a cool, dry and well-ventilated place.

DO NOT RE-USE CONTAINER for any purpose.

## **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.

### **GENERAL INFORMATION**

AVOCET has foliar activity against blackgrass and a range of other grasses and broadleaved weeds. The ideal timing for application is when the weeds are small and actively growing. As AVOCET is mainly foliar acting it is essential to ensure good coverage. The effectiveness of AVOCET may be reduced when soils are very dry, or temperatures are low and subsequently weed growth is slow.

### **NOTES**

Avoid overlapping of spray swaths.

AVOCET is rainfast in one hour.

Do not spray when crops are under stress from cold, drought, water logging, pest damage, nutrient deficiency etc.

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

Take extreme care to avoid 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.

To avoid crop injury do not apply AVOCET in tank mixture with plant growth regulators. A minimum interval of 7 days between applications should be left.

To avoid crop injury do not apply AVOCET in tank mix with an organophosphate insecticide. A minimum interval of 14 days between applications should be left.

### **WEED RESISTANCE**

AVOCET is a product with an ALS inhibitor mode of action (HRAC group 2). Strains of some annual grasses (eg 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 developed by the Weed Resistance Action Group and copies are available from the AHDB, CropLife UK your distributor, crop advisor or product manufacturer.

AVOCET + an authorised adjuvant should be used in a programme. Following application of a pre-emergence products AVOCET should be used in tank mixture with products with a different mode of action. Control may be reduced if AVOCET + an authorised adjuvant is applied alone.

No more than one application of ALS inhibiting herbicides with claims for the control of grass weeds should be applied for grass weed control.

Do not use products that only contain a herbicide with an ALS mode of action where common chickweed or mayweed is present.

## **MANAGEMENT OF RESISTANT BLACKGRASS.**

For good resistance management and where resistance is known or suspected to be present to substituted ureas, dinitroanilines or ACCase inhibitors the following is recommended:

1. Good cultural techniques such as drilling date and seedbed preparation should be adopted. See WRAG guidelines.
2. Use only as part of a resistance management strategy that includes cultural methods of control and does not use ALS inhibitors as the sole chemical method of grass-weed control.
3. Use mixtures of herbicides with different modes of action at full-recommended dose rates.
4. Apply herbicides at optimum timing and environmental conditions.
5. A recommended sequence in such a situation would be a pre emergence product followed by a tank mixture of AVOCET at 0.25 kg/ha + an adjuvant + a grassweed product with an alternative mode of action. This should be applied within 4 weeks of the pre-emergence treatment. Where weather conditions have prevented an application of AVOCET + adjuvant in the autumn a spring application can be made provided that it is used as part of a planned programme of products utilising different modes of action. Contact Corteva Agriscience for recommended programmes.
6. To avoid the build up of resistance do not make more than one application of ALS inhibiting herbicides with claims for the control of grass weeds to any crop.

## **FOLLOWING CROPS**

Crops that can be sown after a crop treated with AVOCET:

Autumn: Winter wheat, winter barley, winter oats, triticale, winter rye, oilseed rape, grass, winter beans, brassicas as transplants

Spring: Spring wheat, spring barley, spring oats, triticale, rye, spring oilseed rape, sugar beet, potatoes, grass, clover (as part of a grass/clover ley), beans, peas, maize, linseed  
Following a sequence of AVOCET and metsulfuron-methyl, treated ground should be ploughed to a depth of 15 cm before establishing winter oilseed rape.

## **CROP FAILURE**

In the event of a crop failure after a crop has been treated with AVOCET + an authorised adjuvant before February 1st only the following crops may be planted after ploughing to a depth of at least 15 cm; Spring wheat, spring barley, grass or maize. At least 6 weeks must elapse between treatment and re-drilling.

Where crop failure occurs following an application after February 1<sup>st</sup> plough and then allow 6 weeks before planting grass or maize.

## **RATE OF USE**

AVOCET should be applied at 250 g/ha with an authorised adjuvant at the manufacturers recommended rate.

## **ADJUVANTS**

Authorised adjuvants are esterified and methylated rapeseed types, and those containing alkoxylated fatty amines, polyoxyalkylene glycol and alcohol ethoxylates.

## **CROPS**

AVOCET + an authorised adjuvant can be used on all varieties of winter wheat, rye and triticale.

## **TIMING**

AVOCET + an authorised adjuvant should be applied from 1 leaf (Zadoks 11) up to and including the 2<sup>nd</sup> node detectable stage (Zadoks 32 inclusive).

AVOCET + an authorised adjuvant must be applied during periods of active growth i.e., warm temperatures and moist conditions.

## **SPRAY PROGRAMMES**

AVOCET at 250 g/ha + an authorised adjuvant should be used in a programme of pre-emergence products, followed by a tank mixture of AVOCET + an authorised adjuvant and products with a different mode of action. Control may be reduced if AVOCET + an authorised adjuvant is applied alone.

Only one application of AVOCET + an authorised adjuvant in a spray programme may be made.

Sequences should only be applied within the label recommendations of every product in the sequence.

Recommended pre-emergence products are:

Approved formulations of pendimethalin

Approved formulations of pendimethalin + flufenacet

Approved formulations of flufenacet + diflufenican

Approved formulations of prosulfocarb

## **WEED SUSCEPTIBILITY AND MAXIMUM SIZE CONTROLLED**

AVOCET at 250 g/ha + an authorised adjuvant in a recommended programme will give the following control.

<b>Weed species</b>	<b>Optimum timing</b>	<b>Susceptibility</b>
Blackgrass	Apply to actively growing plants up to 4 tillers	MS
Wild oats	Apply to actively growing plants up to second node detectable	S
Sterile brome	Apply to actively growing plants up to 4 tillers	S
Ryegrass (from seed)	Apply to actively growing plants up to end of tillering	S
Common chickweed <sup>1</sup>	Apply to actively growing plants up to 100mm	S
Common field speedwell	Apply to actively growing plants up to 6 true leaves	S
Ivy-leaved speedwell <sup>1</sup>	Apply to actively growing plants up to 6 true leaves	S
Cleavers	Apply to actively growing plants up to 75mm	MS
Mayweed spp.	Apply to actively growing plants up to 8 true leaves	S
Field pansy <sup>1</sup>	Apply to actively growing plants up to 4 true leaves	S
Geranium spp	Apply to actively growing plants up to 8 true leaves	S
Charlock	Apply to actively growing plants up to 6 true leaves	S

Volunteer oilseed rape	Apply to actively growing plants up to 6 true leaves	S
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<sup>1</sup> Chickweed, field pansy and ivy-leaved speedwell will be controlled by a dose of AVOCET at 200 g/ha + an authorised adjuvant.

Recommended tank mixture partners are:

Approved formulation of	Grass Weed			
	Blackgrass	Ryegrass	Wild Oats	Sterile Brome
Pendimethalin	✓	✓	✓	✓
Pendimethalin + picolinafen	✓	✓	✓	✓

## NOTES:

For details on compatibilities contact your distributor or Corteva technical hotline on +44 (0) 800 689 8899 or [ukhotline@corteva.com](mailto:ukhotline@corteva.com)

When applying AVOCET + an authorised adjuvant in tank mixture with chlorotoluron avoid double spray overlaps on light soil types as a reduction in yield may occur.

## JOINT APPLICATION

A joint application is the use of a product in tank mixture or sequence with another product.

**IMPORTANT NOTE:** Joint applications should only be made within the label recommendations of every product in the application.

Only one other product with an ALS inhibitor mode of action may be applied to a cereal crop treated with AVOCET.

AVOCET may be applied in joint application (**tank mixture or sequences**) to the same cereal crop with one of the following ALS products:

Alias SX	Hunter <sup>1</sup>
Ally Max SX	Inka SX
Ally SX	Jubilee SX
Answer SX	Lorate
Avro SX	Mozaic SX
Barton WG <sup>1</sup>	Omnera LQM
Biplay SX	Parana



Boxer <sup>1</sup>	Pennant
Calibre SX	Presite SX
Chimera SX	Provalia LQM
Cleancrop Mondial	Quantum SX
Concert SX	Ratio SX
Dakota <sup>1</sup>	Refine Max SX
DP 911 SX	Seduce
Finish SX	Simba SX
Galaxy <sup>1</sup>	Slalom
Gartrel <sup>1</sup>	Spitfire <sup>1</sup>
GF-184 <sup>1</sup>	Starane XL <sup>1</sup>
Jubilee SX	Taxi
Gropper SX	Thor
Harmony M SX	Traton SX
Harmony SX	Triad

<sup>1</sup> The maximum total dose of florasulam applied to the crop must not exceed 7.5 g. For autumn planted crops a maximum total dose of 3.75 g of florasulam must be observed for applications made between crop emergence in the year of planting and February 1<sup>st</sup> in the year of harvest.

Apart from these specific joint applications AVOCET must NOT be applied with any other product containing an ALS inhibitor, for example amidosulfuron. These sequences must only be used with a robust non-ALS inhibitor autumn herbicide programme. This is especially important where both products are applied in the spring. Do not apply other products containing ALS inhibitors in sequence with AVOCET for the control of common chickweed in order to avoid increased selection for herbicide resistant individuals.

Following a joint application of AVOCET and metsulfuron-methyl, treated ground should be ploughed to a depth of 15 cm before establishing winter oilseed rape.

## SOIL

AVOCET may be used on all soil types. On light soils some crop vigour effects may be observed. These are transient symptoms and will not normally affect crop yield but a slight yield reduction may be experienced when applied to rye grown on light or sandy soil types.

## **APPLICATION**

AVOCET + an authorised adjuvant should be applied through tractor-mounted hydraulic sprayers providing they are in good working order and have been calibrated according to the manufacturers' recommendations.

Do not apply through CDA applicators.

## **WATER VOLUME**

Apply AVOCET + an authorised adjuvant in 100 to 200 litres of water per hectare. The lower volume must only be used in open crops on small weeds.

## **SPRAY QUALITY**

Apply AVOCET as a FINE to MEDIUM spray as defined by the BCPC system. Nozzles that deliver a MEDIUM to COARSE droplet size eg Air Induction types are not recommended as product performance may be reduced.

## **MIXING**

Half fill the spray tank with clean water. Maintain agitation levels at all times.

### **Option 1: Using an Induction Bowl**

Ensure adequate suction at outlet in base of bowl and rinse bar is working.

Add required amount of AVOCET by pouring the granules at a controlled flow directly into the opening to the suction pipe outlet. Avoid the granules bridging or adhering to internal surfaces whilst filling.

### **Option 2: Top Tank Loading**

Remove tank lid and filter basket.

Add required amount of AVOCET by pouring the granules at a controlled flow into the agitating water.

Ensure AVOCET is dispersed and does not adhere to internal structures such as tank sprinklers.

Add the remainder of the clean water, maintaining agitation until spraying is complete.

## TANK CLEANING

To avoid subsequent injury to crops other than cereals, all spraying equipment must be thoroughly cleaned both inside and out, using All Clear Extra spray cleaner as follows:

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 and add All Clear Extra at the recommended rate. Agitate and then briefly flush the boom and hoses with the cleaning solution. 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 removed and cleaned separately with All Clear Extra solution containing 50 ml of All Clear Extra per 10 litres of water.
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 the Safe Use of Pesticides on Farms and Holdings. 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

Avocet, Barton, Boxer, Galaxy, Hiker, Hunter, Slalom, Spitfire and Starane are trademarks of Corteva Agriscience and its affiliated companies.

All other brand names referred to are trademarks of other manufacturers in which proprietary rights might 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/eu/gb/en/files/sds/AVOCET-SDS.pdf>

Alternatively contact your supplier

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**SPECIMEN**