

## 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, COVERALLS 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.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical advice.

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:

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.

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 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.

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.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS

KEEP OUT OF REACH OF CHILDREN

**DO NOT REMOVE STRAW.**



Dow AgroSciences



**Trezac™**

HERBICIDE

Product Registration Number: MAPP 18253

ARYLEX™ ACTIVE

An emulsifiable concentrate containing 31.3 g /L halauxifen-methyl (present as 30 g/litre halauxifen-methyl acid) + 25 g/L aminopyralid and 30 g /L of cloquintocet-mexyl (safener).

Arylex™ is the commonly used name of halauxifen-methyl active substance. A post-emergence herbicide for use on a variety of winter cereals (wheat, spelt, barley, rye and triticale) and spring cereals (wheat, durum wheat and barley) for the control of a range of broad leaved weeds

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.**

**PROTECT FROM FROST.**

**SHAKE WELL BEFORE USE.**

**1 Litre e**

**Dow AgroSciences Limited**

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

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This label is compliant with the CPA Voluntary Initiative Guidance.



Product Identifier according to Art.18 of Reg. (EC) No 1272/2008 [CLP]: TREZAC™

**DANGER:**

**Harmful if swallowed**

**Causes skin irritation**

**May cause an allergic skin reaction**

**Causes serious eye damage**

**May cause respiratory irritation**

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

**Wear protective eye/face protection.**

Wash hands thoroughly after handling.

Wear protective gloves / protective clothing / eye 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.

If skin irritation or a rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash before reuse. 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 Cloquintocet-mexyl. 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:**

Wheat (winter), spelt, barley (winter), rye, triticale, barley (spring), wheat (spring), durum wheat (spring)

**Maximum Individual Dose: }**

} Full details are given in the Important

**Maximum Total Dose: }**

} Information area on the attached leaflet.

**Latest Time of Application: }**

**Other Specific Restrictions: }**



# 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	Maximum Individual Dose	Maximum Total Dose	Latest Time of Application
Wheat (winter), spelt, barley (winter), rye, triticale, barley (spring), wheat (spring), durum wheat (spring)	0.2 litre product per hectare	0.2 litre product per hectare per crop	Up to and including second node detectable

### Other Specific Restrictions:

One application of TREZAC per season.

Application must be made between March 1st and 31st May in the year of harvest for spring cereals.

Application to winter cereals must only be carried out after 1st March annually to prevent contamination of groundwater.

Users must have received adequate instruction, training and guidance in the safe and efficient 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 cereal crops where the straw is intended for animal feed, fodder or bedding, nor for composting or mulching.

This product must only be used on cereal crops where the straw is to be fully incorporated back into the soil and will not leave the farm.

The total amount of halauxifen-methyl applied to a winter cereal must not exceed 13.5 g a.e./ha per season: 7.5 g a.e./ha in the autumn followed by 6 g a.e./ha in the spring, with a minimal interval of 3 months between both applications of products which contain halauxifen-methyl.

**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

TREZAC is mainly absorbed through the foliage of the target weeds. The ideal timing is when the weeds are small and actively growing.

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. TREZAC can sometimes induce slight and transient (2-3 weeks) injury. This has no impact at all to the plant quality and yield.

Do not apply to crops undersown with any legume crop (clover etc.).

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

## Neighbouring crops

Trezac is of low volatility and is therefore not subject to vapour drift. Avoid spray drift onto non-target crops.

Particular care should be taken to avoid spray drift onto susceptible crops e.g. vines, orchards, legumes, vegetable crops, ornamentals, flax, sugar beet, potatoes etc.

Do not spray in windy weather or only if the wind speed is less than or equal to 3 on the Beaufort scale (i.e. a maximum of 19 km/hour) and a temperature not exceeding 25 ° C in the shade.

Apply only with a boom sprayer and use suitable nozzles for herbicides. Use a spray pressure as low as possible and a low height with respect to the treated vegetation, while ensuring the good spray distribution.

The use of low drift nozzles is recommended

## NOTES

- Avoid overlapping spray bouts.
- Do not use any plant material treated with TREZAC for composting or mulching.
- Do not use manure from animals fed on crops treated with TREZAC for composting.
- Do not spray when crops are under stress from cold, drought, pest damage, nutrient deficiency etc.

## WEED RESISTANCE

TREZAC is a product containing Arylex™ (halauxifen-methyl) active substance and aminopyralid. It also contains a safener (cloquintocet-mexyl). Arylex is a member of the arylpicolinate family of synthetic auxins, aminopyralid belongs to the picolinates (both actives are Group "O" according to HRAC classification). The following resistance risk strategies are advised:

1. Use TREZAC only once per crop.
2. Follow label recommendations concerning rates and timing of application. Use TREZAC in a way to maximise control of high risk/difficult to control weed species.
3. Consider the use of cultural control, crop rotation and herbicide programs to help control prevent development of resistance biotypes.

Do not rely on a single mode of action within the same or successive crops.

## SOIL

TREZAC may be used on all soil types.

## CROPS

TREZAC can be used on a variety of winter cereals (wheat, spelt, barley, rye and triticale) and spring cereals (wheat, durum wheat and barley) for the control of broad leaf weed species.

TREZAC can be used in malting barley and winter and spring cereal crops grown for seed.

## TIMING

### Winter sown cereal

TREZAC can be applied from 1<sup>st</sup> of March when the crop is at the three leaves unfolded stage up to second node detectable stage. The latest calendar date for application is 31<sup>st</sup> of May.

### Spring sown cereals

TREZAC can be applied from 1<sup>st</sup> of March when the crop is at the three leaves unfolded stage up to second node detectable stage. The latest calendar date for application is 31<sup>st</sup> of May.

The ideal timing for application is when the weeds are small and actively growing.

## RATES OF USE, WEED SUSCEPTIBILITY AND MAXIMUM SIZE CONTROLLED

For autumn and spring sown crops the maximum dose must not exceed 0.2 L pr/ha.

Application rates and timing for spring applications to winter cereals:

Weed species	Recommended rate L pr/ha	Timing crop (BBCH)	Maximum weed size controlled	Susceptibility
<i>*Papaver rhoeas</i> (Corn poppy)	0.2	Three leaves unfolded to second node detectable	21cm diameter	S
<i>Galium aparine</i> (Cleavers)	0.1		Stem 50% of final length 25 cm diameter	S
<i>Fumaria officinalis</i> (Fumitory)	0.1		Stem 50% of final length 20 cm diameter	S
<i>Lamium purpureum</i> (Red dead nettle)	0.1		Flower buds visible 25 cm diameter	S

\*Will control susceptible and ALS resistant *P. rhoeas* (corn poppy)

Application rates and timing for spring applications to spring cereals

Weed species	Rate L pr/ha	Timing crop (BBCH)	Timing weed BBCH + size	Susceptibility
<i>Fumaria officinalis</i> (Fumitory)	0.1	Three leaves unfolded to second node detectable	6 true leaves 20 cm diameter	S
<i>Galium aparine</i> (Cleavers)	0.1		9 or more side shoots visible 25 cm diameter	MS
<i>Chenopodium album</i> (Fat hen)	0.15		Stem 50% of final length 20 cm height	S
<i>Polygonum convolvulus</i> (Black bind weed)	0.2		2 side shoots visible 10 cm height	S
<i>Stellaria media</i> (Common chickweed)	0.2		9 or more side shoots visible 10 cm diameter	S
<i>Matricaria inodora</i> (Scentless mayweed) <i>Matricaria chamomille</i> (Scented mayweed)	0.2		9 or more side shoots visible 8 cm diameter	S

For best results apply to young weeds in a competitive crop.

## WEATHER CONDITIONS

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

## RAINFASTNESS

TREZAC is rainfast in 30 minutes after application.

## APPLICATION

TREZAC may be applied through hydraulic boom sprayers provided that they are in good working order and have been calibrated according to the manufacturer's recommendations. It can be added to the top of the tank or through induction bowls. Add the appropriate amount of TREZAC 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.

## WATER VOLUME

Using standard or low drift nozzles the recommended spray volume is 100 to 400 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 150-400 litres water per hectare.

## CROP FAILURE

In the event of a crop failure after a crop has been treated with TREZAC, consider all herbicides used on the treated field before deciding which new crop to sow.

In case of crop failure after a TREZAC (GF-2818) application, it is possible to sow spring cereals and maize at least 4 weeks after treatment with no cultivation restrictions.

For the latest information and guidance contact Dow AgroSciences technical support.

## FOLLOWING CROPS

After an application of TREZAC the following crops may be sown:

- **Autumn cropping:** Winter oilseed rape, cereals, and grass crops.
- **Spring cropping:** There are no restrictions for sowing any following crop provided 9 months have passed before sowing any leguminous crops (e.g. peas, beans) or Compositae (e.g. chicory, lettuce, sunflower).

For the latest information and guidance contact Dow AgroSciences technical support.

## MIXING

Half fill the spray tank with water and add the required amount of TREZAC. Fill up the spray tank, agitating continuously to ensure thorough mixing, and maintain agitation until spraying is complete. Use only clean water for mixing.

## SPRAY QUALITY

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

## TANK MIXTURES

Where tank mixes are used, and unless directed otherwise, the preferred order of addition of products to the spray tank is as follows: water dispersible granules, wettable powders, suspension concentrates (flowables), emulsifiable concentrates, solution concentrates. Each product should be added to the half-full sprayer and be fully dispersed before the addition of the next product.

## TANK CLEANING

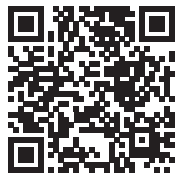
TREZAC is active to a range of broad-leaved crop species. To avoid subsequent injury to crops other than cereals (wheat, durum wheat, spelt, barley, rye, triticale), all spraying equipment must be thoroughly cleaned. The use of a proprietary cleaner such All Clear Extra at 0.5 % v/v or bleach containing 5 % hypochlorite is advised where sensitive crops are likely to be sprayed following use of TREZAC.

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

## 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/TREZAC-SDS.pdf>

Alternatively contact your supplier

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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.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS

KEEP OUT OF REACH OF CHILDREN

**DO NOT REMOVE STRAW.**



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**Trezac**<sup>TM</sup>

HERBICIDE

ARYLEX<sup>ACTIVE</sup>

Product Registration Number: MAPP 18253

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**SHAKE WELL BEFORE USE.**

**1 Litre** e

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Product Identifier according to Art.18 of Reg. (EC) No 1272/2008 [CLP]: TREZAC<sup>TM</sup>

**DANGER:**

**Harmful if swallowed**

**Causes skin irritation**

**May cause an allergic skin reaction**

**Causes serious eye damage**

**May cause respiratory irritation**

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

**Wear protective eye/face protection.**

Wash hands thoroughly after handling.

Wear protective gloves / protective clothing / eye 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.

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Take off contaminated clothing and wash before reuse. Collect spillage.

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**Contains Cloquintocet-mexyl. 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:** Wheat (winter), spelt, barley (winter), rye, triticale, barley (spring), wheat (spring), durum wheat (spring)

**Maximum Individual Dose:** }  
} Full details are given in the Important

**Maximum Total Dose:** } Information area on the attached leaflet.

**Latest Time of Application:** }

**Other Specific Restrictions:** }