

CLOMASTAR®

H

HERBICIDE

WINTER/SPRING OILSEED RAPE
WINTER/SPRING FIELD BEANS
SPRING COMBINING PEAS
VINING PEAS

Capsule suspension (CS)
360 g/l clomazone

NET CONTENTS:

1L

FOR USE ONLY AS A
PROFESSIONAL HERBICIDE

life scientific 
FIRST TO MARKET



CLOMASTAR® - MAPP 20517

Contains 360 g/l clomazone as a capsule suspension.

CLOMASTAR® is a residual herbicide for control of annual weeds in a range of winter and spring broad-leaved crops.

Keep out of reach of children.

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.

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/Situation	Maximum individual dose (L/ha)	Maximum No. of treatments: (per crop)	Latest time of application
Winter oilseed rape, Winter field beans	0.33 L/ha	1	Pre-crop emergence
Spring oilseed rape, Spring field beans, Spring combining peas, Vining peas	0.25 L/ha	1	Pre-crop emergence

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

AUTHORISATION HOLDER AND MARKETING COMPANY:

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

FOR 24 HOUR EMERGENCY INFORMATION CONTACT NHS 111

PROTECT FROM FROST
SHAKE WELL BEFORE USE

Made in EU

Batch No. See Packaging



PEEL BACK FOR DIRECTIONS FOR USE LEAFLET

170050423801_V1

SAFETY PRECAUTIONS

Operator Protection

AVOID CONTACT WITH SKIN

WHEN USING, DO NOT EAT, DRINK OR SMOKE

WASH HANDS AND EXPOSED SKIN 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.

To protect non-target plants respect an unsprayed buffer zone of 10 metres to non-crop land.

Do not contaminate surface water or ditches with chemical or used container.

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

Storage and Disposal

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

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.

CLOMASTAR® can be used on all varieties of winter and spring oilseed rape, winter and spring field beans, combining peas and vining peas but these crops must be treated before they emerge. Crop plants that have started to emerge at application may suffer damage, so it is advisable to apply CLOMASTAR® soon after drilling. It works by inhibiting the biosynthesis of carotenoid pigments which are necessary for photosynthesis. Susceptible species emerge but appear bleached and die shortly after emerging.

RESTRICTIONS

- DO NOT apply to broadcast crops.
- Use immediately, do not leave spray solution standing in the spray tank.
- There is a risk to adjacent crops and non-crop vegetation from the volatilisation of clomazone. This may result in damage/bleaching to neighbouring vegetation. If effects are seen they must be reported via the stewardship program (contact Life Scientific at <https://lifescientific.com/>).
- DO NOT use CLOMASTAR® on sands, very light soils, or soils with more than 10% organic matter.
- DO NOT allow drift to come into contact with non-target crops or plants.
- Under certain climatic conditions, i.e., hot and humid weather, clomazone has the potential to volatilize and some transient bleaching of non-target crops and other plant species may occur. This transient crop effect is rapidly outgrown and has no long-term effect on plant growth or crop yield.
- The use of drift reducing measures are advised and these include: the use of low drift nozzles (further information can be found in The Voluntary Initiative 'Best Practice Guide – Nozzle Selection and Maintenance' available on the website www.voluntaryinitiative.org.uk); only spray when wind speeds are between 1.2 – 4 miles per hour (Force 1 to 2 according to the Beaufort scale, measured at 10 m above ground); maintain an appropriate boom height and forward speeds. Use a spray volume of 200-400 L.

RESISTANCE MANAGEMENT

The risk of resistance is increased when herbicides with the same mode of action are used repeatedly over several years in the same field since this selects for resistant biotypes – individuals of a susceptible species that survive a correctly applied recommended dose. To avoid or delay the onset of resistance, alternate or tank-mix herbicides with different modes of action. For further advice on resistance management contact your agronomist or specialist advisor and visit the WRAG-UK website.

APPLICATION

Apply as a COARSE quality spray as defined by BCPC in 200 - 400 L water/Ha. Take care to avoid overlapping spray swaths.

After application. The sprayer and spray tank (including the inside and outside of the lid) must be thoroughly cleaned after application of CLOMASTAR® to avoid damage to subsequently treated crops. Completely fill and flush the whole system through twice after application of CLOMASTAR® and note that the sprayer must not be drained on to land that is planted or intended to be planted with oilseed rape, peas, beans or trees.

FOLLOWING CROPS

After application of CLOMASTAR® to direct-drilled crops the land should be ploughed and cultivated to a depth of 15 cm before further crops are planted. After normal harvest of an autumn or spring-treated crop, cereals, oilseed rape, field beans, combining peas, potatoes, sugar beet, maize, turnips or linseed may be sown.

In the event of a crop failure: Following autumn application, only winter cereals or winter beans may be sown during the autumn but at least six weeks must have elapsed since application. The land must be ploughed and cultivated to at least 25 cm before sowing any of the listed replacement crops. The following spring, combining peas, field beans or potatoes may be planted provided six weeks have elapsed since application. Before planting spring cereals, onions, carrots, turnip, maize or linseed, seven months must have elapsed.

Following spring application, combining peas, field beans, sugar beet, onions, turnips, carrots, linseed or potatoes may be planted provided at least six weeks have elapsed since application. Maize or dwarf French beans may be planted but an interval of at least nine weeks is required from application.

CROP SPECIFIC INFORMATION

Dose: Winter oilseed rape and winter field beans 0.33 L/ha CLOMASTAR®.
Spring oilseed rape, spring beans, combining and vining peas 0.25 L/ha CLOMASTAR®.

Timing of application: All crops must be treated before they start to emerge. Any crop which has broken through the soil surface will exhibit symptoms of bleaching and so CLOMASTAR® should be applied as soon as practicable after drilling.

Weed Susceptibility: The following weeds will be controlled by a single pre-emergence application of CLOMASTAR® provided that the seedbed is moist, firm and free from clods. Where clods occur, subsequent break-up of the clods can expose untreated soil where weeds can establish.

Species	0.33 L/ha CLOMASTAR®	0.25 L/ha CLOMASTAR®
Annual Meadow-grass		MS
Chickweed, Common	S	S
Cleavers	S	S
Fat-hen	-	MS
Fool's Parsley	-	S
Red Dead-nettle	S	S
Shepherd's-purse	S	S

MS = Moderately Susceptible; S = Susceptible; - = no information.

**Note: Treatment of winter crops may not result in season-long weed control. However, late-emerging weeds will not compete with an established crop.*

MIXING

Before spraying it is important to check all hoses, filters and nozzles, and to ensure that the sprayer is clean and correctly set to give an even application at the correct volume. Ensure that loose or puffy seedbeds are consolidated before treatment.

Half fill the spray tank with clean water. Begin agitation and add the required quantity of CLOMASTER®. Add the remainder of the water and agitate thoroughly before and during spraying. Spray immediately after mixing. To avoid subsequent damage to other crops, thoroughly clean all spray equipment (including the inside and outside of the lid) using clean water. Completely fill and flush the contents of the spray tank twice before any subsequent operations. Spray equipment should not be drained or flushed onto land planted with or intended for planting with trees or crops other than oilseed rape, beans or peas.

If using an induction system, half fill the induction bowl with clean water and then slowly pour in the required amount of CLOMASTER® and turn on the induction pump. Wash any residues from the induction bowl and through the induction system. Rinse any empty containers and add the washings to the bowl. Before completing filling of the tank ensure that any residues on the bowl, filter, mesh or drain holes have been washed through into the tank before adding any tank-mix partner.

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 and 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 and 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.

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