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## Herbicide for the control of a range of annual weeds in various winter and spring broad-leaved crops

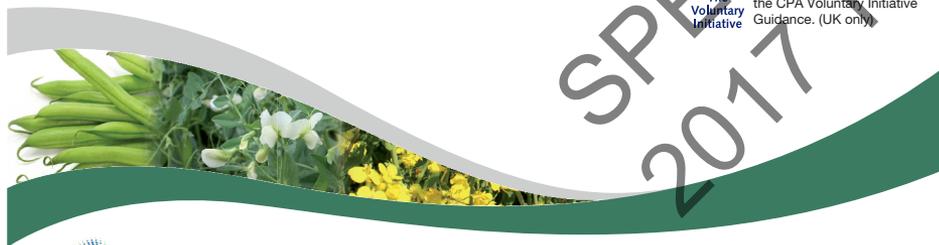
A capsule suspension (CS) containing 360 g/L (30.74% w/w) clomazone

MAPP 17327 / PCS 05674

Protect from frost.  
Shake well before use.



This label is compliant with the CPA Voluntary Initiative Guidance. (UK only)



  
**Headland**

Distributed by:  
**Headland Agrochemicals Ltd.**  
Rectors Lane, Pentre, Flintshire, CH5 2DH, UK.  
Tel: + 44 (0) 1244 537370 Fax: + 44 (0) 1244 532097  
E-mail: flintshire.enquiry@fmc.com www.headlandcropproduction.com

**FMC**  
Approval Holder:  
**FMC CHEMICAL**  
Rue Royale 97, 4 Floor  
1000 Brussels  
Belgium

### IMPORTANT INFORMATION FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE

#### Crops:

**Winter oilseed rape, winter field beans.**

Max. individual dose: 0.33 litre product/ha.  
Max. number of treatments: One per crop.  
Latest time of application: Pre crop emergence

**Spring combining peas, spring field beans, vining peas, spring oilseed rape.**

Max. individual dose: 0.25 litre product/ha.  
Max. number of treatments: One per crop.  
Latest time of application: 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.

#### **CENTIUM® 360CS - Capsule suspension containing 360 g/L (30.74% w/w) clomazone**

**May cause long lasting harmful effects to aquatic life.**

Avoid release to the environment  
Dispose of contents/container to a licensed waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste  
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 avoid risks to human health and the environment, comply with the instructions for use.**

**MAPP 17327 / PCS 05674**

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

**24 Hour emergency No. 00 32 14 58 45 45**

Content:

**1 L**

Production date / Batch number: see container

## **SAFETY PRECAUTIONS (UK only)**

### **Operator protection:**

- AVOID CONTACT WITH SKIN.
- WHEN USING DO NOT DRINK, EAT 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.
- Extreme care must be taken to avoid drift on to crops and non-target plants outside of the target area.

### **Storage and disposal:**

- KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
- KEEP AWAY FROM FOOD AND DRINK AND ANIMAL FEEDING STUFFS.
- KEEP OUT OF REACH OF CHILDREN.
- WASH 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.**

Centium 360CS is a residual herbicide which can be used in all varieties of winter and spring oilseed rape, spring combining peas, vining peas, winter and spring field beans. Crop plants emerged at the time of application may be severely damaged.

Centium 360CS acts by inhibition of the biosynthesis of photosynthetic pigments leading to bleaching symptoms on susceptible weed species. Susceptible weeds emerge but are lacking pigmentation and plant death occurs shortly afterwards.

### **RESTRICTIONS:**

- **Avoid damage by drift onto non-target crops and plants.**
- 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](http://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.
- 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 (see [www.headland-ag.co.uk](http://www.headland-ag.co.uk)).
- Do not apply to broadcast crops.
- Do not use on soils that are compacted or of a poor structure which may then be liable to water logging.
- Reduced levels of weed control may occur if application is made to dry cloddy seedbeds or if a prolonged dry period follows application.
- Do not overlap spray swaths. Severe crop damage may occur on field beans. Where damage does occur, this is generally transient and should not affect crop yield.

**RESISTANCE:** As part of Good Agricultural Practice steps should be taken to adopt a resistance management strategy as standard. Centium 360CS should be alternated with herbicides with a different mode of action and a similar spectrum of activity. Any subsequent herbicide applications should be made using herbicides with a different mode of action.

**WEED CONTROL:** The following weeds are susceptible to Centium 360CS when applied pre-emergence to a moist, firm seedbed free from clods:

Timing	Pre-emergence	Pre-emergence
<b>Crop</b>	winter oilseed rape, winter field beans (season long control of weeds may not occur)	Spring combining peas, vining peas, spring field beans, spring oilseed rape
<b>Rate of application</b>	0.33 L product/ha	0.25 L product/ha
<b>Grass weeds</b>		
Annual meadow grass		moderately susceptible
<b>Broad-leaved weeds</b>		
Fat hen		moderately susceptible
Cleavers	susceptible	susceptible
Chickweed	susceptible	susceptible
Red dead-nettle	susceptible	susceptible
Shepherd's purse	susceptible	susceptible
Fool's parsley		susceptible

**TIMING OF APPLICATION:**

Winter and spring oilseed rape, spring combining peas and vining peas, and winter and spring field beans: CENTIUM 360CS should be applied as soon as possible following sowing of the crop and before emergence of both the crop and target weeds.

**DOSE:**

0.33 L product/ha in winter oilseed rape and winter field beans.

0.25 L product/ha in spring combining peas, vining peas, spring field beans and spring oilseed rape.

**VOLUME AND SPRAY QUALITY:** Apply in 200 – 400 litres of water per hectare as a COARSE spray (as defined by BCPC). When applying Centium 360CS care should be taken to avoid overlap of spray swaths.

**SOIL TYPE:** Do not use Centium 360CS on sands or very light soils. Do not use on soils with more than 10% organic matter.

**SEED DEPTH / SEEDBED CONDITIONS:** It is important for crop safety that the seed is covered by a minimum of 20mm of soil. Direct drilled crops should be harrowed across slits to cover the seed before spraying. Where direct drilled crops are treated then ploughing and cultivating to a depth of 15cm must take place before the planting of any subsequent crop.

For optimum efficacy seedbeds should be firm, level and free of clods, loose and puffy seedbeds should be consolidated before spraying.

**FOLLOWING CROPS:**

Autumn treated crops - Following normal harvest of an autumn treated crop, cereals, oilseed rape, field beans, combining peas, potatoes, maize, turnip, linseed and sugar beet may be sown. Prior to planting, soil should be ploughed and cultivated to a minimum depth of 15cm.

Spring treated crops - Following normal harvest of a spring treated crop, cereals, oilseed rape, field beans, combining peas, potatoes, maize, linseed, sugar beet and turnip may be sown. Prior to planting, soil should be ploughed and cultivated to a minimum depth of 15cm.

**REPLACEMENT CROPS:**

Autumn treated crops - In the event of crop failure for any reason, only winter cereals and winter beans may be sown, provided at least six weeks has elapsed since application. In the spring following crop failure, only spring cereals, combining peas, field beans, maize, turnip, onion, carrots, potatoes, and linseed may be sown. Prior to resowing spring cereals, maize, turnip, onion, carrots and linseed, a period of at least 7 months should have elapsed since application. Prior to resowing combining peas, field beans and potatoes a period of at least six weeks should have elapsed since application. Prior to resowing any of the listed replacement crops soil should be ploughed and cultivated to a minimum depth of 25cm.

Spring treated crops - In the spring following crop failure, only combining peas, field beans, potatoes, maize, dwarf French beans, carrots, turnip, sugar beet, onions and linseed may be sown. Prior to resowing combining peas, field beans, potatoes, carrots, turnip, sugar beet, onions and linseed, a period of at least six weeks should have elapsed since application. Prior to resowing maize and dwarf French beans, a period of at least nine weeks should have elapsed since application. For all spring replacement crops, soil should be ploughed and cultivated to a minimum depth of 25cm.

**MIXING:** Before using Centium 360CS ensure the spray equipment is clean.

1. Half fill the tank with clean water and commence agitation. Add the required dose to the spray tank and complete filling, continuing agitation until spraying is completed.
2. On emptying the container, RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times when empty. Add washings to sprayer at time of filling and dispose of container safely.
3. On preparation of spray solution, use immediately.

If using an induction system then mixing should be as follows:

1. Half fill the induction bowl with clean water.
  2. Slowly pour the required amount of product into the induction bowl, turn on the pump and suck the contents of the induction bowl into the spray tank, at the same time rinsing the bowl.
  3. On emptying the container, RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times when empty. Add washings to sprayer at time of filling and dispose of container safely.
  4. Repeat the procedure of half filling the bowl with water and sucking out until no trace of product remains on the mesh, filter, drain hole or sides of the bowl.
  5. Ensure all contents are sucked out and the bowl is thoroughly rinsed before adding any tank-mix partner.
  6. On preparation of spray solution, use immediately..
- Do not leave sprayer with spray solution in it.

**SPRAY TANK CLEAN OUT:** 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.**

**WARRANTY:** The seller makes no warranty, expressed or implied, concerning the use of the product other than indicated on the label. The purchaser and user shall assume all risk associated with the use and/or handling and/or storage of the product if this use and/or handling and/or storage are carried out contrary to label instructions.

**DAMAGES:** Buyer's or user's exclusive remedy for damages for breach of warranty or

negligence shall be limited to direct damage not exceeding the purchase price of the product, and shall not include incidental or consequential damages.

#### **MATERIAL SAFETY DATA SHEET**

To access the Safety Data Sheet for this product scan the QR code



or visit

<http://msdsviewer.fmc.com>

and enter Product ID: 6270-1-A

Alternatively, contact your supplier.