Centium® 360CS

Herbicide

GROUP	13	HERBICIDE

PCS 05674

A capsule suspension (CS) containing 360 g/L (30.74% w/w) clomazone for the residual control of a range of annual weeds in winter field bean, oilseed rape, spring bean, vining pea.

SAFETY PRECAUTIONS

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:
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.

SHAKE CONTAINER WELL BEFORE USE
PROTECT FROM FROST

Contents: **1 L**

UFI: HH60-K349-1N4J-9HA5

RISK AND SAFETY INFORMATION
Centium® 360CS Herbicide

Very toxic to aquatic life with long lasting effects.

Avoid release to the environment.
Collect spillage.
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).

WARNING

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

To avoid risks to human health and the environment, comply with the instructions for use.

PCS 05674

IMPORTANT INFORMATION
FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Crops	Maximum individual dose (L product/ha)	Maximum number of treatments per crop	Latest time of application
Field bean (winter), oilseed rape (winter)	0.33	One per crop	Pre crop emergence
Combining pea (spring), field bean (spring), oilseed rape (spring), vining pea	0.25	One per crop	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: FMC Agro Limited, Rectors Lane, Pentre, Flintshire, CH5 2DH. Tel: 01244 537370. Email: fmc.agro.uk@fmc.com Website: www.fmc-agro.co.uk. Technical Helpline: 01423 205011. **Emergency No.s - Medical Incidents Involving Crop Protection Products:** England & Wales: 111, Scotland: 08454 24 24 24, Northern Ireland: Local GP or Pharmacist, Republic of Ireland: 01 837 9964. **Healthcare professionals seeking poisons information:** www.toxbase.org. **Emergency No.s - Transportation, Warehousing & After Sale Incidents**: CHEMTREC help centre Dialling from the UK and NI: 0870 820 0418, Dialling from Ireland: 01 901 4670

Batch No.: See elsewhere on the bottle

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11014812_22062704_IRELAND

	FILL IN		DIMENSION (WxH)
Country	IRELAND	Single label	
Product SKU	11014812	Base for Booklet	
Product SKU Description	CENTIUM 360CS_1L_IE	Booklet	BKL 270x150 mm (245x150 mm)
Label SKU	22062704	Number of pages (Booklet)	4 pages
Label SKU Description	LBL_ML-F_1L_CENTIUM 360CS_IE_2	Carton label	
Label SKU (earlier version)	x	Preprinted Material	No

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 inhibiting 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); 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.fmc-agro.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 the 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 application 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**
Crop	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
Rate of application	0.33 L product/ha	0.25 L product/ha
Grass weeds		
Annual meadow grass		moderately susceptible
Broad-leaved weeds		
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 the 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 15 cm.
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 15 cm.

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 25 cm.
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 25 cm.

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. Continue 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 while 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.

Notice To Buyer
FMC as the manufacturer warrants that the composition of the product in sealed original FMC packaging complies with the information given on this label. FMC is not liable for any direct or indirect consequences resulting from improper storage, handling or use of the product contrary to or otherwise not in compliance with this label, law and regulations. Various factors, especially local conditions, such as soil condition, plant varieties and weather conditions, may either cause the product not to have the full desired effect or result in damage to the crops treated. FMC does not assume any liability for such results.