

CENTIUM[®] 360CS

Version and date: Version 6 - Autumn 2007

Changes since last version: Incorporation of new PSD label guidelines



This label is compliant with the CPA Voluntary Initiative Guidance

FORMULATION AND ACTIVE INGREDIENT: A residual 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 clomazone.

PACK SIZE: 3LT



MAPP No. 11607

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops	:	Winter oilseed rape, winter field beans
Maximum individual dose	:	0.33 litre product/ha
Maximum number of treatments	:	One per crop
Latest time of application	:	Pre- crop emergence
Crops	:	Spring combining peas, spring field beans, vining peas, spring oilseed rape
Maximum individual dose	:	0.25 litre product/ha
Maximum 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.

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

Centium® 360CS	<p>Capsule suspension containing 360 g/l clomazone and 5-chloro-2methyl-4-isothiazolin-3-one</p> <p>S2 – Keep out of reach of children. S13 – Keep away from food, drink and animal feedingstuffs. S20/21 – When using do not eat, drink or smoke.</p> <p>To avoid risk to man and the environment, comply with the instructions for use.</p>
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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 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.
- 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 product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.
- WASH CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.
- EXTREME CARE MUST BE TAKEN TO AVOID DRIFT ON TO 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, DRINK AND ANIMAL FEEDING STUFFS.
- KEEP OUT OF REACH OF CHILDREN.

RESTRICTIONS:

- Do not apply to broadcast crops.
- Some transient crop bleaching may occur under certain climatic conditions and can be severe where heavy rainfall follows application. This transient crop effect is rapidly outgrown and has no effect on crop yield.
- 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 or mixed 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 and a similar spectrum of activity.

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, winter and spring field beans, vining peas and combining peas. 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.

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 Beans (Season long control of weeds may not occur)	Combining Peas, Vining Peas, Spring Beans, Spring Oilseed Rape
Rate of Application	0.33l product / ha	0.25l product / ha
Grass Weeds Annual Meadow Grass		Moderately susceptible
Broad Leaved Weeds Fat Hen Cleavers Chickweed Red Dead-Nettle Shepherd's Purse Fool's Parsley	Susceptible Susceptible Susceptible Susceptible Susceptible	Moderately susceptible Susceptible Susceptible Susceptible Susceptible

TIMING OF APPLICATION: Winter and spring oilseed rape, combining and vining peas, 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 beans

0.25 l product/ha in combining peas, vining peas, spring 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, turnip, linseed and sugar beet 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 Autumn following 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, potatoes, maize, turnip, onion, carrots 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 6 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, onion, and linseed may be sown. Prior to resowing combining peas, field beans, potatoes, carrots, turnip, sugar beet, onion 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 as soon as practically possible.

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 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 as soon as practically possible.
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 those listed on the label.

WARRANTY

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

DAMAGES

Buyer's or user's exclusive remedy for damages, breach of warranty, or negligence, shall be limited to the direct damage, and shall not exceed the purchase price of the product, and shall not include any incidental or consequential damages.

TECHNICAL ENQUIRIES:	01480 403333
24 HOUR EMERGENCY NUMBER:	0032 1458 4545

Always read the label. Use pesticides safely.

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