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GROUP 2/4 HERBICIDES



Product registration number: PCS No. 07441

A water dispersible granule containing 50 g/kg prosulfuron and 500 g/kg dicamba.

Herbicide for the control of annual and perennial broad-leaved weeds in grassland for agricultural use (established and newly-sown).

Authorisation Holder

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PROTECT FROM FROST. SHAKE WELL BEFORE USE

FOR PROFESSIONAL USE ONLY

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

CASPER® is a water dispersible granule containing 50 g/kg prosulfuron and 500 g/kg dicamba.

Warning

Very toxic to aquatic life with long lasting effects.

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.



PCS No. 07441

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L1131934 IREL/01D PPE 4224889

1 kg

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IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crop	Maximum individual dose (kg product/ha)	Maximum number of applications	Maximum total dose (kg product/ha)	Latest time of application
Established grassland	0.36	1 per year	0.36	21 days before grazing or cutting. End of September
Newly sown leys	0.3	1 per year	0.3	21 days before grazing or cutting. End of September

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.

SAFETY PRECAUTIONS**(a) Operator protection**

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACE SHIELD) when handling the concentrate.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

AVOID ALL CONTACT WITH SKIN.

WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.

(b) 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 yards and roads.

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

(c) 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.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

RESTRICTIONS

Do not apply with organo-phosphate insecticides.

Only treat healthy grassland, preferably in good growing conditions, when the vegetation is dry.

Do not use during periods of frosty weather, when frost is imminent, or onto crops under stress from frost, water logging, insect attack or drought.

Special care should be taken to avoid damage by drift to broad-leaved plants outside the target area or land intended for cropping e.g. lucerne, sugar beet, sunflower, oilseed rape, peas, vegetable crops, potatoes, soyabean, floral and ornamental crops, vines and fruit trees.

Optimum temperature for application: 10 - 25°C. It is preferable to postpone application if an unfavourable weather period is expected (daily range of temperatures greater than 15°C, cold periods with temperatures lower than 10°C on the 3 days prior to, or following application).

Ensure spraying equipment is thoroughly washed out according to specific instructions after use. Do not allow washings-out to drain onto land intended for cropping or growing crops

Do not mix with liquid fertilizers.

Refer to 'Compatibility' for details on use of CASPER with other 'ALS inhibiting' herbicides

WEEDS CONTROLLED

CASPER is a herbicide based on prosulfuron and dicamba (sodium salt). It is used in grassland post-emergence of weeds for the control of annual and perennial dicot weeds.

CASPER combines two different modes of action: it is absorbed by the leaves and roots of the plant, and it also has a residual activity on some sensitive weeds.

CASPER is available in the form of dispersible granules.

CASPER can be used to control the following weeds in grassland. Weeds are best controlled from emergence until the 4 leaf stage.

Weed	Established Grassland CASPER at 0.360 kg/ha	Newly sown grassland CASPER at 0.30 kg/ha
Broad-leaf dock	S	S
Shepherd's Purse	S	S
Common sorrel	S	S
Common Chickweed	S	MS
Creeping thistle	MS	MS
Meadow buttercup	MS	MS
Creeping buttercup	MS	MS
Common ragwort	MS	MR
Ribwort Plantain	MR	MR
Common Dandelion	MR	-
Hedge bedstraw	MR	-

KEY: S = susceptible, MS = moderately susceptible, MR = moderately resistant

WEED RESISTANCE

When herbicides with the same mode of action are used repeatedly over several years in the same field, selection of resistant biotypes can take place. These can propagate and may become dominant. A weed species is considered resistant to a herbicide if it survives correctly applied treatment at the recommended dose.

Development of resistance within a weed species can be avoided or delayed by sequencing or tank-mixing with suitable products having a different mode of action. This is particularly important if continuous maize is grown.

CASPER contains a sulfonylurea herbicide. Its mode of action is via ALS inhibition. Do not use CASPER or any other ALS inhibitors, as a sole means of weed control in successive years.

A strategy for preventing and managing resistance should be adopted. The Weed Resistance Action Groups have produced guidelines and copies are available from AHDB, CPA, your distributor, crop advisor or product manufacturer.

Resistance Strategy

Repeated use of herbicides based on active substances in the same chemical family, or with the same mode of action, may lead to the appearance of resistant organisms. To reduce this risk you are advised to use mixtures or sequences of herbicides based on active substances with different modes of action, both during a growing season and within the rotation. This will minimise the possible development of resistant weeds. Contact your distributor or Syngenta UK Limited for further information.

CROP SPECIFIC INFORMATION

Grassland

Timing and Rates of Use

CASPER should be applied to newly sown pasture or after re-seeding from BBCH 15 onwards or to established pasture. CASPER can be used on all varieties of pasture from April to October. A spray overlap during application and unfavourable weather conditions (temperature below 15 °C) should be avoided. Do not spray in pastures with clover.

Refer to maximum weed growth stage limits approved. Annual weeds are best controlled from emergence until the 4 leaf stage.

Newly-sown or re-seeded pastures

Apply CASPER at a maximum total dose of 0.3 kg product per hectare.

Established pasture

Apply CASPER at a maximum total dose of 0.36 kg product per hectare.

FOLLOWING CROPS AND RECULTIVATION

Adjacent crops

Avoid any spray drift when spraying CASPER near adjacent sensitive crops.

Grazing

Keep all livestock out of treated areas for 21 days after application.

Recultivation

For re-seeding of grasses in gaps created by weed control, there is no risk of CASPER affecting relevant crops even without ploughing.

Rotational crops

In the case of a normal rotation, after a grass crop treated with CASPER,

- The following crops may be planted after ploughing in the autumn after normal harvest: all varieties of winter wheat, barley, rye oilseed rape and triticale.
- The following crops may be planted in the spring after normal harvest: all varieties of spring wheat, barley, rye and triticale, combining peas, maize, field beans, forage kale, broccoli, cauliflower and oilseed rape.
- Planting the following crops is not recommended:
sugar beet, sunflower, lucerne.

MIXING AND SPRAYING

Spray Volume

Grassland: Use a water volume of 200 - 400 litres per hectare.

Spray Nozzles

A medium spray quality is preferred for application of CASPER (see BCPC guidelines).

A spray pressure of 2-3 bar is recommended.

Mixing and Spraying

Make sure the sprayer is set to give an even application at the correct volume.

Dry Mixing - Sprayers with Induction Hoppers

Fill sprayer to 15% of tank capacity with water and start agitation. Pour CASPER into the induction hopper and open valve in bottom of hopper to suck the granules into the circulating spray mix.

Continue adding CASPER until loading is complete. Wash down any granules on the hopper wall and close valve.

Note for Old Sprayers with Indirect Venturi Induction Hoppers

In the unlikely event of problems occurring during dry induction of the granules (blocked venturi), open the rinse ring and add water to the hopper. As soon as product induction continues, carry on adding product until the required amount is reached.

Sprayers Without Induction Hoppers

Fill sprayer with a minimum of 15 cm of water in the bottom and agitate vigorously. Pour CASPER through the sprayer lid.

Agitate the mixture thoroughly before use and continue agitation during spraying.

Take particular care to avoid overlapping spray swathes.

Thoroughly wash all spray and measuring equipment with water according to the directions below immediately after use.

COMPATIBILITY

For information on compatibility of CASPER with other product please contact Syngenta Irl Ltd or your local distributor.

Washing-out instructions

To avoid subsequent injury to crops, immediately after spraying thoroughly clean the application equipment and protective clothing. Ensure that all traces of product are removed. The following recommendations are to be strictly followed:

1. Drain spray system completely. Rinse tank, spray boom and nozzles with clean water for several minutes and spray out.
2. Half fill the spray tank with clean water and add to it sodium hypochlorite (5.2%) (commercial chlorine bleach) at a dose of 1 litre for every 200 litres of full spray tank capacity and continue filling with clean water until sprayer is completely full. Agitate for 15 minutes and spray out cleaning solution through spray nozzles.
3. To remove traces of chlorine bleach, rinse the tank thoroughly with clean water and flush out hoses and boom.
4. Nozzles and filters should be removed and cleaned separately along with protective equipment.

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



Alternatively, contact your supplier.

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