

clever

A Suspension Concentrate formulation containing 600 g/L of aclonifen for use as a horticultural herbicide on potatoes, peas and beans

5 L

**FOR USE ONLY AS A HORTICULTURAL HERBICIDE
THIS PRODUCT IS FOR PROFESSIONAL USE ONLY**

SAFETY INFORMATION



WARNING

Suspected of causing cancer
Very toxic to aquatic life with long-lasting effects

Avoid contact with skin.
Keep out of reach of children.
When using do not eat, drink or smoke.
If you feel unwell, seek medical advice.

Dispose of contents/container to a licensed hazardous 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 protect aquatic organisms respect an unsprayed buffer zone of 10 m to surface water bodies.

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

PCS No: 06399

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 product, when applying the product and when handling contaminated surfaces. AVOID CONTACT WITH SKIN. WASH HANDS AND EXPOSED SKIN before eating and drinking and after work. If exposed or if you feel unwell seek medical advice immediately (show the label where possible).

No specific antidote is available. Treat symptomatically.

In case of accident, call the 24-hour National Poisons Information Centre:

Tel.: +353 (0) 1 809 2566 or +353 (0) 1 837 9964.

Batch no.: See container

Registration holder:

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Distributed by: Sharda Cropchem España S.L.

Emergency no.: In the event of emergency, call the National Poisons Information Centre, Beaumont Hospital at 01 809 2166 or 01 837 9964

Registered logos of Sharda Cropchem Ltd

General information

CLEVER is a diphenylether pre-emergence herbicide for the control of annual broad-leaved weeds and some grass weeds in potatoes, peas and beans.

Instructions for use

FOR PROFESSIONAL USE ONLY AS A HORTICULTURAL HERBICIDE				
Crop	Max. single dose	Max. no. of applications	Max. total dose	Latest time of application
Potatoes (ware crops) Potatoes (seed crops)	3.0 L/ha	1 per crop	3.0 L/ha	After final furrow formation, no later than one week pre appearance of potato sprout
Peas (combining) Peas (vining) Bean (French) Bean (navy) Bean (runner) Bean (broad) Field Beans	3.0 L/ha	1 per crop	3.0 L/ha	After sowing and before germination

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.

Method of application: Tractor mounted/trailed sprayer

Important information: The surface of the soil should be evenly covered with the product, where its active substance forms an even film. Clumps on the surface of the soil significantly reduce the effectiveness of the product. To achieve the greatest effect, the soil and furrows must be well prepared and sprayed with the herbicide appropriately. CLEVER gets into weeds through the cotyledons or the coleoptile (seedlings). CLEVER does not stop the germination of weeds, but it affects sprouting weeds to a certain extent, which depends on the internal resources of the seeds, speed of growth of the weeds and volume of absorbed active substance. Typical symptoms of the CLEVER effect are yellowish-brownish colours and chlorosis appear on the tissues of young, emerging sprouts and shoots. Later, weeds stop growing and perish.

Application: Apply via a horizontal boom sprayer, in 200 to 300 litres of water per hectare as a MEDIUM spray (BCF category). Do NOT disrupt the soil surface after application as this will reduce the level of weed control provided. To prevent damage, extreme care must be taken to avoid spray drift onto neighbouring crops.

Potatoes: CLEVER may be used on all commercial varieties of potatoes.

Apply CLEVER at a rate of 2.0 to 3.0 litres of product per hectare. Application must be pre-emergence of the crop and weeds.

Ridges should be well rounded with few clods. Cultivations should produce a soil tilth that requires no further improvement after planting. Cultivation after spraying will encourage weed germination and reduce the residual activity of CLEVER. On mineral soils with a high organic matter content and on heavy or organic soils the residual activity of CLEVER may be reduced.

Ensure CLEVER is applied evenly overall to both sides of potato ridges. Care must be taken to ensure that application takes place before crop emergence.

Peas and beans: Apply CLEVER at a rate of 2.0 to 3.0 litres of product per hectare. Application should be made immediately after sowing and before germination of the peas or beans. If CLEVER is used more than one week after germination of the crop, and environmental conditions are unfavourable (high humidity, low temperature), crop damage may occur.

Mixing and cleaning procedures: Shake the container well before use. Fill the spray tank with clean water, begin agitation and add the required amount of CLEVER. Wash out the container and add the washings to the spray solution, before topping up with clean water. Continue agitation until spraying is completed. Do not leave the sprayer filled with the spray solution standing for long periods. Wash out the sprayer thoroughly after use, using a wetting agent or proprietary tank cleaner.

Resistance management: 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 dominating. A weed species is considered to be resistant to a herbicide if it survives a correctly applied treatment at the recommended dose. A strategy for preventing and managing such resistance should be adopted. This should include integrating herbicides with a program of cultural control measures. Guidelines have been produced by the Weed Resistance Action Group and copies are available from Teagasc, your distributor, crop adviser or product manufacturer.

Following crops and crop failure: There are no restrictions on following crops in the normal rotation, provided the soil is cultivated to a depth of 10 cm before sowing. In the event of crop failure for any reason, spring and winter oilseed rape, spring and winter barley, spring and winter wheat, spring and winter triticale, rye, sugar beet, white mustard, sunflower, maize, peas, beans or soya beans may be sown 3 weeks after using CLEVER, provided the soil is cultivated to a depth of 10 cm before sowing.

Specific pest controlled

Weed	Susceptibility at 3.0 L/ha	Susceptibility at 3.0 L/ha
Annual meadow-grass	S	-
Barnyard grass	-	MS
Black bindweed	-	MS
Black nightshade	-	MS
Cleavers	MS	S
Common chickweed	S	-
Fat-hen	S	-
Field pansy	S	-
Shaggy soldier	-	S
Henbit dead-nettle	S	-
Knotgrass	-	S
Pale persicaria	S	-
Red dead-nettle	S	-
Redshank	-	S
Scented mayweed	S	-
Shepherd's purse	S	-
Volunteer oilseed rape	S	-

MS: Moderately susceptible, S: Susceptible

Established broad-leaved weeds growing from rootstocks will not be controlled by CLEVER. As for other residual herbicides application to a fine, firm seedbed will optimise efficacy. Efficacy will be reduced where application is made to cloddy seedbeds or where there is disruption of the soil surface after application.



Sharda Cropchem

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