

SEDIM

A post-emergence herbicide for the control of annual and perennial grass weeds in potatoes, winter oilseed rape, sugar beet, sunflower and soybean.

An emulsifiable concentrate containing 120 g/l clethodim.

GROUP 1 HERBICIDE

SPECIMEN

RISK AND SAFETY INFORMATION

UFI: GN70-50YF-500Q-QXPT



DANGER

May be fatal if swallowed and enters airways.

May cause an allergic skin reaction.

Causes serious eye damage.

May cause drowsiness or dizziness.

Very toxic to aquatic life with long lasting effects.

Wear protective gloves, protective clothing, eye protection, face protection.

Avoid breathing dust/fume/ gas/mist/vapours/spray.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN: wash with plenty of soap and water.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses if present and easy to do - continue rinsing.

Immediately call a POISON CENTRE or doctor/physician.

If skin irritation or rash occurs: Get medical advice/ attention.

Do NOT induce vomiting.

Call a POISON CENTER or doctor/physician if you feel unwell.

Use only outdoors or in a well-ventilated area.

Store locked up.

Collect spillage.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean triple rinsed containers which can be disposed of as non-hazardous waste.

Contains Clethodim. May produce an allergic reaction.

Repeated exposure may cause skin dryness or cracking.

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



PCS no. 07403

IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE

| Crops | Maximum individual dose (L product/ha) | Maximum number of treatments | Latest time of application |
|-----------------------|--|------------------------------|----------------------------|
| Potato | 2.0 | one per crop | BBCH 10-39 (PHI 56 days) |
| Oilseed rape (winter) | 2.0 | one per crop | BBCH 10-39 |
| Sugar beet | 2.0 | one per crop | BBCH 11-33 (PHI 90 days) |
| Sunflower | 2.0 | one per crop | BBCH 12-19 |
| Soya | 2.0 | one per crop | BBCH 12-19 |

Other Specific Restriction:

To prevent the development of resistance, do not apply this product, or any other product containing an active substance from the ACCase inhibitor group, on the same plot without alternating with a herbicide that has a different mode of action.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE PRINCIPLES OF GOOD PLANT PROTECTION PRACTICE.

PROTECT FROM FROST

SHAKE WELL BEFORE USE.

STORE IN A COOL, DRY PLACE.

FOR PROFESSIONAL USE ONLY

Emergency medical information: contact National Poisons Information Centre, Beaumont Hospital, Dublin, Ireland.

Telephone numbers:

01 809 2166 (8am to 10pm every day) for members of the public.

01 809 2566 or 01 837 9964 (24 hours) for healthcare professionals:



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Contents:

x L e

Batch No: see bottle

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 CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate or handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying the product.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

Contaminated work clothing should not be allowed out of the workplace.

Wash contaminated clothing before reuse.

If medical advice is needed, have product container or label at hand.

Read label before use.

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 spray drift onto non-crop plants and arthropods outside of the target area.

STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

Store in a well-ventilated place. Keep container tightly closed.

WASH OUT 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 the product.

GENERAL INFORMATION

SEDIM is a systemic, selective, non-residual herbicide for the post-emergence control of annual and perennial grass weeds in potatoes, winter oilseed rape, sugar beet, sunflower and soybean. After application the compound is rapidly absorbed by the treated plant parts and is readily translocated to the root system and to the aerial growing parts of the plant. Typical symptoms on susceptible grass weeds visible 1-2 weeks after application are stunting of growth and yellowing of leaves of the treated plants, followed by plant death. SEDIM contains an adjuvant that helps improve the absorption of the active substance through the leaves of plants.

RESTRICTIONS/WARNINGS

Avoid overlapping spray swaths as crop damage and reduced yields could result.

Do not apply to crops suffering from stress such as pest or disease attack, previous herbicide treatments, or if rain or frost is expected, or crops of low vigour. Allow at least 14 days between application of SEDIM and other herbicides.

Do not spray in very windy conditions and ensure that spray does not drift onto neighbouring vegetation, especially susceptible types such as cereals (maize particularly) and grasses.

Prevent drift onto crops and plants outside of the target area, especially susceptible graminaceous plants. The use of drift reducing nozzle types should be taken as a matter of course to avoid spray drift on adjacent areas, particularly if the product is used on fields adjacent to young cereal crops.

Weeds suffering from stress because of drought, frost, waterlogging, natural dieback or other environmental conditions will not be growing actively and so will not be well controlled; as such conditions could interfere with uptake and translocation of SEDIM.

Do not spray when temperatures or air moisture are very high or very low; the optimal range of temperatures for spraying is 8-25°C, and the optimal air moisture is above 65%.

Consult processors before using on crops grown for processing.

WEEDS CONTROLLED – APPLICATION TIMING

| SPECIES | RATE OF APPLICATION | TIMING OF APPLICATION (weed stage) |
|--------------------|-----------------------|---|
| Black-grass | 1.0 litre per hectare | 3 fully-expanded leaves until the weeds have 5 tillers. On Annual meadowgrass, the optimal stage of application is 3 fully expanded leaves and beginning of tillering. |
| Volunteer wheat | | |
| Volunteer barley | | |
| Cockspurgrass | | |
| Italian ryegrass | | |
| Annual meadowgrass | 2.0 litre per hectare | 3 fully-expanded leaves until the weeds have 5 tillers (having an average height of 15-20 cm) |
| Perennial ryegrass | | |
| Couchgrass | | |

Do not cultivate for at least two weeks after application to allow time for translocation to occur. Leave a longer interval (up to 3 weeks) if growing conditions are poor.

Only weeds which have emerged at the time of application will be controlled. The optimum timing of application is from 3 leaves to beginning of tillering. Sufficient foliage should have emerged to absorb the spray.

For perennial weed control, no mechanical or manual weeding should be made for 5 to 7 days before and after the application of SEDIM.

It is important also to apply when the weeds have not yet begun to compete with the crop. SEDIM can be used on all soil types.

RESISTANCE

Strains of some annual grasses (eg Black-grass, Wild Oats, and Italian Rye-grass) have developed resistance to herbicides, which may lead to poor control. A strategy for preventing and managing such resistance should be adopted. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the AHDB, your distributor, crop adviser or product manufacturer.

This product contains clethodim which is an ACCase inhibitor, also classified by the Herbicide Resistance Committee as “Group 1”.

Use only as part of a resistance management strategy that includes cultural methods of control and does not use ACCase inhibitors as the sole chemical method of grass-weed control. Applying a second product containing an ACCase inhibitor to a crop will increase the risk of resistance development; only use a second ACCase inhibitor to control different weeds at a different timing.

SEDIM may control some resistant populations of Black-grass to some other ACCase inhibitors. Do not use reduced doses of SEDIM on grassweeds where resistance is suspected. Populations of annual grasses may show resistance to SEDIM and will not be fully controlled.

It is recommended to adopt a long-term strategy integrating cultural and chemical measures. The following are the key elements of the resistance management strategy:

- Always follow WRAG guidelines for preventing and managing herbicide resistant weeds,
- Maximise the use of cultural control measures wherever possible (e.g. crop rotation, ploughing, delayed drilling etc.)
- Use tank mixes or sequences of effective herbicides with different modes of action within individual crops, or successive crops.
- To reduce the risk of developing resistance, applications of SEDIM should be made to young, actively growing weeds.
- Identify as much as possible the herbicides to which your grass weeds are resistant. This can help you to determine the most appropriate herbicides to use.
- Monitor fields regularly and investigate the reasons for any poor control.

CROP SPECIFIC INFORMATION

Dose rate

For annual grass weed control, apply SEDIM at 1.0 L/ha. One application per crop.

For perennial grass weed control, apply at a dose rate of 2.0 L/ha. One application per crop.

Crops

Potatoes

Potatoes can be treated with SEDIM for the control of annual and perennial grass weeds from BBCH 10-39, up to a pre-harvest interval of 56 days. Apply when weeds are actively growing.

Oilseed rape (winter)

It is recommended to apply SEDIM from the 4 true leaf stage during a period when grass weeds and crop are growing actively in the autumn. Do not apply SEDIM after the end of October.

Avoid later applications (after mid-October) to earlier flowering or maturing varieties of oilseed rape (6 or above) and to crops drilled on or before 25th August.

Avoid any other chemical application within 14 days before or after an application of SEDIM. Do not apply immediately after a period of frosty weather. In case of frost occurring some days after application, phytotoxic effects could be observed on the crop.

Sugar beet

SEDIM can be applied on the crop from BBCH 11-33, when first leaves are visible.

Sunflower and Soya

Apply SEDIM from BBCH 12-19 for the control of annual and perennial grass weeds.

MIXING AND SPRAYING

Half fill the spray tank with clean water and start the agitation. Shake the container well before use and pour in the required amount of product. Rinse and empty containers thoroughly and add rinsings to the spray tank. Add the remainder of the water and continue the agitation until spraying is completed.

Apply by tractor mounted/ trailed horizontal sprayer.

Apply in 100 – 400 litres water per hectare. Application should be made using a FINE or MEDIUM spray as defined by BCPC.

SEDIM does not require the addition of any adjuvant.

FOLLOWING CROPS

Broadleaved crops may be sown at any time following normally harvested crops or the failure of a crop treated with SEDIM.

It is recommended to wait at least 4 weeks before sowing wheat, barley or maize after a crop treated with SEDIM. Soil should be thoroughly cultivated to a depth of 20 cm before sowing.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during or after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded. No responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

SPECIMEN