

READ LABEL CAREFULLY BEFORE USE

IMPORTANT INFORMATION

Crop	FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE		Latest timing of application
	Max. individual dose	Max. total applications	
Potato (seed and ware)	0.75 kg/ha	0.75 kg/ha	Pre-emergence
	AND		
	0.5 kg/ha	0.5 kg/ha	Before the shoots of potatoes reach 15 cm in length

Other specific restrictions:
A maximum total dose of 0.35 kg as/ha/season (0.5 kg Sharmetrim®/ha/season) may be applied post-emergence of the crop. Do not apply with hand held equipment.

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.

Sharmetrim® is a contact and residual selective herbicide for use in potatoes.

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.

RESTRICTIONS
 For professional use only.
 Do not apply to the textural soil group "sands".
 Do not apply to crops under stress.
 The product may be used on the same field only once per growing season.
 Avoid contamination through spray drift outside of the treatment area as Sharmetrim® may cause damage to sensitive crop species in particular brassicas, lettuce and sugar beet.
 Do not use on crops intended for the production of seed potatoes.

FOLLOWING CROPS
 In case of crop failure, the soil must be ploughed to the depth of 15 cm. Only corn can be planted in the same field.
 Before planting other cultivated plants in crop rotation, plough the soil to the depth of 15 cm. It is necessary to consider the following limitations:
 - Peas, beans and broad beans cannot be cultivated for 6 months on lands treated with Sharmetrim®.
 - Clover and Lucerne (Alfalfa) cannot be cultivated for 4 months.
 - Carrots can be planted on soils treated with Sharmetrim® 3 months after treatment and ploughing of the soil.

PHYTOTOXICITY
 The product is not phytotoxic to potatoes if applied at the recommended rate and as described in the instructions for use. The product should not be used if the plants to be treated are under stress. The product should not be used on crops grown on sands. The product should not be used on Maris Piper grown on very light soils and should never be used for post-emergence treatment of this variety. Before application of the product on new potato varieties please check with the sales representative.

Yellowing of the foliage can occur following treatment, particularly if spraying is carried out less than 3 days after cool, cloudy weather and if a change to hot, sunny conditions occurs. The crop should not grow this yellowing. During hot, sunny conditions spraying is best carried out in the evening time. Damage may also occur if heavy rain follows spraying on gravelly or stony soils.

RESISTANCE
 To prevent resistance always follow label recommendations and monitor crops regularly for any signs of poor control. Use cultural control measures wherever possible. Use sequences of herbicides with different modes of action within individual crops.

APPLICATION RECOMMENDATIONS
Potatoes (pre-emergence use)
 Apply 0.75 kg product/ha in 200 – 400 l/ha water during post-planting and pre-emergence of the crop. Ensure that the boom is set at the correct height during application and that even coverage of both sides of the ridge occurs.

Tubers should be planted in a moist, clod-free bed with a good tilth with well rounded ridges. No further improvements to the soil tilth should be required after planting. Cultivation after spraying will encourage weed germination and reduce the residual activity of Sharmetrim®. The product should be applied to moist soil as dry conditions will reduce uptake by weed seedlings (meaning reduced efficacy). Residual activity may also be reduced on peaty and organic soils and on mineral soils with a high organic matter content. There is a risk of crop damage on stony or gravelly soils especially if heavy rain falls shortly after application. Do not treat crops grown on sands. Do not treat Shepody, Maris Piper or Sante varieties grown on sands or very light soils.

In order to increase the activity of the product on soils containing greater than 10% organic matter and on mineral soils under dry conditions, Sharmetrim® can be incorporated into the top 10 – 15 cm of soil. This method may be particularly advantageous to use on varieties that cannot be treated post-emergence.

To use the incorporation method pre-planting, apply 0.75 kg/ha Sharmetrim® during the final cultivation. Suitable cultivators include rotary harrows, rotary cultivators or spring tine harrows. Ridging up should be done as soon as possible after planting taking care not to incorporate untreated soil which will allow weeds to establish. A final ridging up can be made before the crop meets between the rows.

A follow up post-emergence application of 0.5 kg product/ha can be made to recommended main crop potatoes (see recommendations below) grown in two-row beds only. This will give useful control of any late germinating weeds in the furrows.

The incorporation method can also be used post-planting by applying 0.75

kg/ha Sharmetrim® to tubers placed in shallow ridges. Before crop emergence, incorporation can be achieved by cultivating shallowly while at the same time ridging up. In the case of second early varieties, this application may only be made on soils containing more than 10% organic matter. A further post-emergence application of 0.5 kg/ha will be needed to control any late germinating weeds (see recommendations below).

Potatoes (post-emergence use)
 This method of application is only recommended for main crop varieties. Apply 1 application of 0.35 kg/ha – 0.5 kg/ha in 130 – 400 l/ha water. Application should be carried out at or before early cotyledon stage of the weeds until the most advanced shoots of the potatoes are 15 cm long. Ensure even coverage of both sides of the ridge. It is essential that the spray penetrates the canopy in order to treat the weeds. Do not apply during windy conditions.

Varities which may be treated post-emergence include: Cara, Desiree, King Edward, Kingston, Pentland Crown, Pentland Dell, Pentland Squire, Record, Romano, Clare, Isle of Jura, Vales Everest, Vivid. For the most up-to-date list of varieties, please contact the sales representative.

Temporary plastic mulches
 Early potatoes treated with Sharmetrim® can be covered with plastic mulches. This practice is not recommended for use following the soil incorporation method of treatment. Since the activity of the product is dependent on sufficient soil moisture, it is important that crops are well irrigated before the mulch is applied. Application should be made to well-prepared, clod free ridges. Inadequate weed control due to reduced residual activity may result if this method is used on mineral soils with a high organic matter content.

SPECIFIC WEEDS CONTROLLED

Species	Pre-emergence	Post-emergence
Annual Meadow-grass	S	S
Black-birdweed	MS	S
Blackgrass	S	MS
Black nightshade	R	MS
Bugloss	S	S
Charlock	S	S
Cleavers	R	R
Common chickweed	S	S
Corn spurrey	S	S
Common fumitory	S	S
Common orache	S	S
Common poppy	S	S
Fat-hen	S	S
Field forget-me-not	S	S
Field pansy	S	MS
Field penny-cress	S	S
Groundsel	S	S
Henbit dead-nettle	S	-
Hemp-nettle	S	-
Knotgrass	S	MS
Mayweed spp.	S	S
Pale persicaria	S	S
Red deadnettle	S	S
Redshank	S	S
Scarlet pimpernel	S	S
Small nettle	S	S
Speedwell spp.	S	S
Sun spurge	S	-
Volunteer oilseed rape	S	S
Wild radish	S	S

S = Susceptible
 R = Resistant
 MS = Moderately susceptible
 - = insufficient information

Post-emergence weed control up to 1 expanded true leaf is recorded in the table; however, most annual broad-leaved weeds will be controlled beyond this stage.

Perennial broad-leaved weeds and grasses are not controlled by Sharmetrim®.

For best control of early germinating weeds, apply Sharmetrim® between the cotyledon to one true leaf stage. Black birdweed is less sensitive to pre-emergence treatment and is best controlled from the cotyledon to two true leaf stage.

For late germinating weeds (including black birdweed) a post-emergence treatment is most efficacious. Care must be taken to ensure only recommended potato varieties are treated post-emergence. Treatment must only take place before the leading shoots reach 15cm.

To treat perennial grasses in situations where the potato crop follows grass, it is recommended to first use a suitable herbicide and/or cultivations to kill the sward in the Autumn. Following weeds can be controlled using post-emergence application of Sharmetrim®. Common couch will be suppressed when the product is applied up to the two-leaf stage.

MIXING, APPLICATION AND CLEANING
 Never prepare more spray solution than required.
 Dilute the measured quantity of product in a small quantity of water. Half fill the spray tank with the desired quantity of water and add the measured quantity of the product into the spray tank while stirring continuously. Keep the spray tank under agitation and add the required volume of water. Continue agitation until spraying is completed.
 Apply as a MEDIUM quality spray (as defined by BCPC).
 Apply using tractor mounted/trailed sprayer.
 Avoid spillage. In case of spill, remove spilled clothes and wash, skin immediately.
 Clean equipment immediately after use with a spray tank cleaner.
 Empty container and rinse with an integrated pressure rinsing device or manually rinsing three times.

sharmetrim®

1 Kg



Sharda Cropchem



sharmetrim®

WATER DISPERSIBLE GRANULE CONTAINING 70% W/W METRIBUZIN
 HERBICIDE USED FOR THE CONTROL OF GRASSES AND BROADLEAVED WEEDS IN POTATOES.



WARNING

SAFETY INFORMATION
Very toxic to aquatic life with long lasting effects.
 Keep out of reach of children.
 Do not eat, drink or smoke when using this product.
 Collect spillage.
 Dispose of contents/container to a licensed hazardous waste disposal contractor except for triple rinsed containers which can be disposed of as non-hazardous waste.
 To protect aquatic organisms respect an unsprayed buffer zone of 5m width from water bodies.

To avoid risks to human health and the environment, comply with the instructions for use
 PCS No. 05948

PRECAUTIONS
 If you feel unwell seek medical advice immediately (show the label where possible).
 In case of accident, call the National Poisons Information Centre: Tel: +353 (0)1 809 2566 or +353 (0)1 837 9964
 Do not contaminate water with this product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

Protect from frost, store in a dry, cool, frost-free ventilated area.
 24 hour emergency number – National Poisons Centre: +353 (01) 809 2566 or +353 (01) 837 9964

Batch number: see container
 Registration no.:
 PCS No. 05948
 Registration holder: Sharda Cropchem España S.L.
 Edificio Atalayas Business Center, Carril Condomina nº 3, 12th Floor, 30006, Murcia, Spain,
 Phone no.: +34 868 12 75 89

Distributed by: Sharda Cropchem España S.L.
 Edificio Atalayas Business Center, Carril Condomina nº 3, 12th Floor, 30006, Murcia, Spain,
 Phone no.: +34 868 12 75 89

Emergency number: +91 22 6678 2800 (8.00 – 16.00h)
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