

## **READ LABEL CAREFULLY BEFORE USE** IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE					
Crop	Max. individual	Max. no. of	Max.total	Latest timing of	
	dose	applications	dose	application	
Potato (seed	0.75 kg/ha		0.75 kg/ha	Pre-emergence	
and ware)		•	AND		

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 Sharmetrin@/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

RESTRICTIONS

RESTRICTIONS
For professional use only.
Do not apply to the textural soil group "sands".
Do not apply to trops 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 Sharmetrin® 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:

- Rapeseed, beans and red beet cannot be cultivated for 6 months on lands treated with Sharmetrin®.

- Clover and Lucerne (Alfalfa) cannot be cultivated for 4 months.

- Carrots can be planted on soils treated with Sharmetrin® 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 sprayin is carried out less than 3 days after cool, cloudy weather and if a change thot, sunny conditions occurs. The crop should out 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 ston soils.

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 I/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 Sharmetrin®. 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 gravely 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, Sharmetrin® 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 are allocation and required the post-emergence. Treatment must be sward in the Autumn. Following weeds controlled to the two-leaf stage.

H = Resistant —

= 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 table; however, most annual broad-leaved weeds and grasses are not controlled by Sharmetrin®. For best control of early germinating weeds, apply Sharmetrin® between the cotyledon to one true leaf stage. Black bindweed, a post-emergence treatment and is best controlled from the cotyledon to one true leaf stage.

To use the residual activity or

MIXING, APPLICATION AND CLEANING

Never prepare more spray solution than required.

Never prepar

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

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

kg/ha Sharmetrin® 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.

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

PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

Sharmetrin® 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.

PRECTIONS FOR USE:

INCLUSIONATION PRODUCTS.

Temporary plastic mulches Early potatoes treated with Sharmetrin® 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 interpretated before the mulch is applied. Application should be made to well-prepared, clod free ridges. Inadequate weed control due to reduced early within this section must be read carefully in order to obtain safe and successful use of this product.

RESTRICTIONS

Species	Pre-emergence	Post-emergence
Annual Meadow-grass	S	S
Black-bindweed	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	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 MS = Moderately susceptible R = Resistant







Sharda Cropchem

# sharmetrin®

WATER DISPERSIBLE GRANULE CONTAINING 70% W/W METRIBUZIN

HERBICIDE USED FOR THE CONTROL OF GRASSES AND BROADLEAVED WEEDS IN POTATOES.



**SAFETY INFORMATION** Very toxic to aquatic life with long lasting effects. eep 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

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

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

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

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