



SHARDA PARAQUAT 200 SL

Reg. No. L9432, Act No. 36 of 1947 | Reg. Nr. L9432, Wet Nr. 36 van 1947

RESTRICTED USE AGRICULTURAL REMEDY

THIS REMEDY IS RESTRICTED DUE TO ACUTE TOXICITY. THIS REMEDY MAY ONLY BE SOLD AND USED BY A REGISTERED PEST CONTROL OPERATOR, OR BY SOMEONE UNDER THE SUPERVISION OF A REGISTERED PEST CONTROL OPERATOR, AND ONLY FOR THOSE USES COVERED BY THE PEST CONTROL OPERATOR'S SCOPE OF REGISTRATION, AND AS DIRECTED ON THIS LABEL.

Read the label before use
Keep out of reach of children and animals

A non-selective contact herbicide for the control of annual broadleaf weeds and annual grasses in crops as listed.

'n Nie-selektiewe kontakkonkruiddoder vir die beheer van eenjarige breëblaaronkruiden en eenjarige grasonkruiden in gewasse soos aangedui.

HERBICIDE GROUP CODE D

ACTIVE INGREDIENT: Paraquat (bipiridyl) 200g/ℓ

ONKRUIDDODER GROEPKODE D

AKTIEWE BESTANDEDEEL: Parakwat (bipiridiel) 200g/ℓ

Danger

Hazard statements: May be corrosive to metals. Toxic if swallowed. Toxic in contact with skin. Causes skin irritation. Causes serious eye irritation. Fatal if inhaled. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

Precautionary Statements: Keep only in original container. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.



Manufactured for and registered by/Vervaardig vir en geregistreer deur:
Sharda International Africa (PTY) LTD
Reg. No./Reg. Nr. 2010/002268/07
P. O. Box/Posbus 82021, Southdale, 2135
Tel: 031-764 3011 (Office hours only)

UN No. /VN Nr. 2922

In case of emergency contact National Poison Centre 0861 555 777

BATCH NUMBER LOT NOMMER	
DATE OF EXPIRY VERVAL DATUM	

NET CONTENTS /
NETTO INHOUD

20ℓ

WARNINGS

- Withholding Period: The minimum number of days between the last application and feeding or grazing. Sugarcane – 21 days
- May be corrosive to metals.
- Toxic if swallowed.
- Toxic in contact with skin.
- Causes skin irritation.
- Causes serious eye irritation.
- Fatal if inhaled.
- May cause respiratory irritation.
- Causes damage to organs through prolonged or repeated exposure.
- Very toxic to aquatic life with long lasting effects.
- Keep livestock out of the treated area for 21 days after spraying.
- In the case of poisoning, get medical attention immediately. Show this label to the doctor.
- Handle with extreme care.
- Keep under lock and key out of reach of children, uninformed persons and animals.
- Store away from food, feed, seed and fertiliser.
- Toxic to wildlife.
- Re-entry: Do not enter the treated area within 2 days unless wearing protective clothing

Although this herbicide has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions; quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the weeds to the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the performance of the herbicide concerned due to failure of the user to follow the label instruction or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS

- Keep only in original container.
- Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
- Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.
- Wear respiratory protection.
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- IF ON SKIN: Wash with plenty of soap and water.
- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If skin irritation occurs: Get medical advice/attention.
- If eye irritation persists: Get medical advice/attention.
- Remove/Take off immediately all contaminated clothing.
- Wash contaminated clothing before reuse.
- Collect spillage.
- Store in a well-ventilated place. Keep container tightly closed.
- Store locked up.
- Dispose of contents/container according to local regulations.
- Do not use equipment or spray pressures that will result in fine spray mist/droplets.
- Avoid spray drift onto crops, grazing, rivers or areas not under treatment.
- Spray drift may cause damage to neighbouring crops.
- Do not use muddy spray water.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Wash spray equipment after use, using a wetting agent. Dispose of wash water where it will not contaminate drains or waterways.
- Rinse the empty container three times with a volume of water equal to at least one tenth of that of the container and add the rinsings to the contents of the spray tank before disposing of the container. Destroy empty containerand never use for any other purpose.

RELEVANT SUBSTANCES:

Ingredient	%
Paraquat Technical 44.5% pure	< 50 %
Paraquat	< 25 %
4207H (Fatty alcohol polyoxy-ethylene ether sodium sulphate and fatty alcohol polyoxyethylene (5) ether	< 15 %

RESISTANCE WARNING

For resistance management **SHARDA PARAQUAT 200 SL** is a group code D herbicide. Any weed population may contain individuals naturally resistant to **SHARDA PARAQUAT 200 SL** and other group code D herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **SHARDA PARAQUAT 200 SL** or any other group code D herbicide. To delay herbicide resistance: Avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank mix with products from different herbicide group codes. Integrate other control methods (chemical, cultural, biological) into weed control programmes. For specific information on resistance management contact the registration holder of this product.

SYMPTOMS OF POISONING

- Severe eye irritation.
- Moderate to severe skin irritation.
- Inhalation: Severe irritation to mucous membrane and respiratory tract. Highly toxic.
- Ingestion is extremely toxic. Symptoms are vomiting, diarrhoea, abdominal discomfort and pain.
- Inflammation of the mouth, throat and oesophagus resulting in difficulty in swallowing.

FIRST AID

GET IMMEDIATE MEDICAL ATTENTION.

- Eye contact: Flush eyes with plenty of clean water for at least 20 minutes. Keep eyelids open.
- Skin contact: Remove contaminated clothing immediately. Rinse skin thoroughly with water and then wash skin thoroughly with soap and water. Paraquat can be absorbed through the skin if it is cut or damaged. Contaminated clothing must be washed thoroughly before re-use.
- Inhalation: Remove patient to fresh air. Administer symptomatic treatment.
- Ingestion: If ingested, get the patient to hospital immediately. Telephone the hospital to give the estimated time of arrival so that treatment can be immediate. Do not delay treatment. Induce vomiting immediately.

Advice to doctors / physician: Rapid treatment is essential. Refer to “Paraquat Poisoning”. A practical guide to diagnosis, first aid and hospital treatment” available at major treatment hospitals and poison information centres. Wash out stomach and test urine and gastric aspirate (if clear) for the presence of paraquat. Administer up to 1 litre of a 15% aqueous suspension of Fuller’s Earth orally or via gastric tube together with a suitable purgative (e.g. 20% Mannitol aqueous solution). Repeat the administration of absorbent plus purgative until the purgative is seen in the stools (between 4 to 6 hours after the start of treatment). Do not use supplemental oxygen. Keep the

patient under observation for at least 48 hours. Consider treating eyes with an antibiotic preparation to prevent secondary infection.

Antidote: See “Advice to doctors / physician” above.

DIRECTIONS FOR USE

USE ONLY AS INDICATED

Compatibility:

- **SHARDA PARAQUAT 200 SL** is compatible with **SHARDA ACETOCHLOR 900 EC**, **SHARDA AMETRYN 500 SC**, **SHARDA DIURON 800 SC**, **SHARDA HEXAZINONE 240 SL** and **SHARDA HEXAZINONE 750 WG**.
- For optimum weed control a non-ionic surfactant should be added to the spray water at the recommended rate before adding the **SHARDA PARAQUAT 200 SL**.

Mixing Instructions: Half fill the spray tank with clean water; add the required quantity of surfactant; add the required quantity of **SHARDA PARAQUAT 200 SL** ; add other herbicide as required. Fill the spray tank to the required volume. Agitate thoroughly during mixing and spraying.When adding a tank mix product, follow the label mrecommendations of the product.

Application:

- Apply **SHARDA PARAQUAT 200 SL** with correctly calibrated ground spray equipment (tractor mounted or knapsack sprayers).
- Apply in 200 to 500 ℓ/ha.
- Ensure complete droplet cover of the target weeds.
- Use the higher rate for dense weeds.
- Sprays must be directed away from desirable crops and plants to avoid scorching damage. **SHARDA PARAQUAT 200 SL** will scorch green plant parts.

Weed Control: **SHARDA PARAQUAT 200 SL** is a contact herbicide.

- Optimum weed control is achieved when young annual weed seedlings are sprayed.
- Use the higher rate and spray volume for established annual weeds.
- Variable weed control will occur on perennial and mature annual weeds, volunteer crops (e.g. ground nuts, maize, potatoes), certain weeds with a natural resistance (e.g. Commelina, Conyza, Ipomoea, Malva, Plantago, Portulaca), certain weeds with a aquired resistance (e.g. Conyza, Lolium) and weeds with rhizomes, bulbs or tubers (e.g. Cyperus). Re-growth of these weeds can occur.
- Variable weed control can be the result of stress factors such as drought, heat and cold or poor droplet coverage of the target plant

TREE AND VINE CROPS	DOSE t/ha	REMARKS
Do not allow the spray to contact the crop.		
Afforestation	2.5 - 3.75	Apply pre-planting of transplant seedlings. Use a shield to protect plants as a post-plant treatment.
Deciduous Fruit (apples, pears, peaches, etc)	2.5 - 5.0	Apply as necessary when weed seedlings emerge. SHARDA PARAQUAT 200 SL can be applied with a suitable registered residual herbicide.
Grapevines	2.5 - 5.0	Apply as an overall spray when weeds are up to 15 cm high before budburst. After budburst apply only as a directed spray away from the crop. SHARDA PARAQUAT 200 SL can be applied with a suitable registered residual herbicide.
Subtropical Fruit and Nut Crops(avocado, banana, citrus, tea,macadamia, pecan, etc.)	1.25 - 5.0	Apply as necessary when weed seedlings emerge. Apply in 200 - 400 ℓ/ha using a low pressure.

PERENNIAL CROPS	DOSE ℓ/ha	REMARKS
Lucerne	2.5 - 5.0	Apply to established lucerne that is older than 6 months before dormancy breaks or after cutting and before re-growth of lucerne occurs.
Sugarcane	1.25 - 5.0	Use the higher dosage rate for mature weeds and/or dense weed populations. Direct the spray to the inter-row and away from the plants.
	1.25 - 5.0	SHARDA PARAQUAT 200 SL can be applied with a suitable registered residual herbicide such as SHARDA ACETOCHLOR 900 EC or SHARDA AMETRYN 500 SC or SHARDA DIURON 800 SC or SHARDA METRIBUZIN 480 SC or SHARDA HEXAZINONE 240 SL or SHARDA HEXAZINONE 750 WG according to the label recommendations.

ANNUAL CROPS	DOSE ℓ/ha	REMARKS
All Crops During the fallow period between harvest and planting	1.25 - 5.0	Apply when weeds are immature for optimum results. Use the higher rate for mature weeds.
All Crops Pre-plant seed beds	1.25 - 2.5	Prepare the seed bed; allow weed seedlings to emerge; when weeds are up to 10 cm high, spray with SHARDA PARAQUAT 200 SL. Plant the crop within 3 days of spraying.
Minimum Tillage	1.5 - 4.0	Apply when weed seedlings are up to 10 cm high and before planting the crop. SHARDA PARAQUAT 200 SL can be applied with a suitable registered residual herbicide.
Potatoes	1.25 - 5.0	Early post-emerge weed control: Apply after planting and before 10 % of the crop has emerged. SHARDA PARAQUAT 200 SL can be applied with a suitable registered residual herbicide.

ANNUAL CROPS	DOSE ℓ/ha	REMARKS
Fire Breaks	2.5 - 3.75	Two months before the onset of the fire season: Spray a 1 - 2 m wide band (the sparser the vegetation, the wider the band) on both sides of a 5 - 12 m wide untreated strip (or about 10 m from a road or canal). Burn the sprayed bands 3 weeks later, while the unsprayed areas are still green and cannot be burnt. The strip in between can be burned relatively safely after the first frost or drought when the vegetation in the strip has dried out.
Industrial Weed Control	2.5 - 5.0	Use 500 - 1 000 ℓ/ha to ensure thorough droplet coverage of the annual weeds.

The following products are registered by Sharda International Africa (or in the process) under Act No. 36 of 1947: **SHARDA ACETOCHLOR 900 EC**, Reg. No. L 9660; **SHARDA AMETRYN 500 SC**, Reg. No. L 9967; **SHARDA DIURON 800 SC**, Reg. No. L 9619; **SHARDA METRIBUZIN 480 SC**, Reg. No. L 9475; **SHARDA HEXAZINONE 240 SL**, Reg. No. L 9659; **SHARDA HEXAZINONE 750 WG**, Reg. No. L 9487.