



SHARDA HEXAZINONE 750 WG

Reg. No. L9487, Act No. 36 of 1947 | Reg. Nr. L9487, Wet Nr. 36 van 1947

A water dispersible granule herbicide for the pre-emerge and early post-emerge control of certain weeds in ratoon sugarcane and for non-selective weed control in sugarcane verges and breaks.

'n Water disperseerbare korrel onkruid-doder vir die vooropkom en vroeë naopkom beheer van sekere onkruid in ratoen suikerriet en vir die nie-selektiewe onkruid beheer in bane tussen en langs suikerrietlande.

HERBICIDE GROUP C 1

ACTIVE INGREDIENT

Hexazinone (triazine) 750 g/kg

Registered by | 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

Tel: 087-822 2397

ONKRUIDDODER GROEP C 1

AKTIEWE BESTANDDEEL

Heksasinoon (triasien) 750 g/kg

BATCH NO. LOT NR.	
EXPIRY DATE VERVAL DATUM	

NET CONTENTS /
NETTO INHOUD

1 Kg

UN2998/VN2998

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**HARMFUL
SKADELIK**



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UN 2998

WARNINGS

- Poisonous by swallowing.
- Can cause irritation to eyes, nose, throat and skin.
- Keep out of reach of children, uninformed persons and animals.
- Store in the original container in a cool place under lock and key, away from food, feed, fertiliser and seed.
- **Do not apply to plant sugarcane.**
- Avoid excessive spray swath overlapping and double spraying.
- Re-entry: Do not enter the treated field within 1 day after application unless wearing protective clothing.
- Aerial application: Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warning. Do not spray over or allow drift to contaminate water bodies or adjacent areas.

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 effected by factors such as abnormal soil, climatic and storage conditions; quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the weed against the herbicide concerned as well as by the method, time and accuracy of the application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions, which could not have been foreseen in terms of the registration. Consult the supplier in event of any uncertainty.

PRECAUTIONS

- Do not inhale dust or spray mist.
- Avoid contact with skin and eyes.
- Wear protective clothing when handling the concentrate (eye protection, rubber boots, and gloves).
- Wash with soap and water after use.
- Wash contaminated clothing thoroughly before re-use.
- Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and change of clothing.
- Prevent contamination of food, feedstuff, eating utensils and drinking water.
- Prevent the drift of spray mist onto other crops, grazing, rivers, dams or areas not under treatment.
- Do not apply near desirable plants or trees (such as windbreaks, ornamental trees or shrubs along roads) or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots.
- Allow 12 months between application and the planting of crops other than pineapples and sugarcane. Before replanting to any other crop ensure that the soil is thoroughly ploughed and harrowed.
- Over-application or any use not in accordance with the directions on this label may cause stunting of the crop and other adverse effects.
- Rinse empty container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the contents of the spray tank before destroying the container by perforation and flattening. Never use the container for any other purpose.

SYMPTOMS OF HUMAN POISONING

SHARDA HEXAZINONE 750 WG may cause eye irritation or skin irritation. Nausea, vomiting and diarrhoea may occur if large quantities are ingested.

FIRST AID TREATMENT

Skin contact: Remove the contaminated clothing. Wash the body with non-abrasive soap and lots of water. Persons providing first aid must wear gloves to avoid self-contamination. Seek medical advice if necessary.
Eye contact: Flush eyes immediately with large amounts of clean water for approximately 15 minutes. Occasionally lift the upper and lower lids. Get medical attention.
Inhalation: Remove the patient to a well-ventilated area and loosen clothing around the neck. Perform artificial respiration and administer oxygen if necessary. Keep patient warm and calm.
Ingestion: Do not induce vomiting. Get medical attention immediately. Administration of gastric lavage or oxygen should be performed by qualified medical personnel.

NOTE TO PHYSICIAN

There is no specific antidote. Treat symptomatically and supportively. Keep the patient under observation. Perform gastric lavage and catharsis if the patient is not unconscious.

Resistance Warning: For resistance management "Sharda Hexazinone 750 WG" is a group code C 1 herbicide. Any weed population may contain individuals naturally resistant to "Sharda Hexazinone 750 WG" and other group code C 1 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. "Sharda Hexazinone 750 WG" or any other group code C 1 herbicide may not control these resistant weeds. 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.

DIRECTIONS FOR USE: RATOON SUGAR CANE.

Use only as directed.

- **Do not use "Sharda Hexazinone 750 WG" on plant sugarcane crops.**
- "Sharda Hexazinone 750 WG" can be used for pre-emerge weed control after harvesting is completed and before weeds have emerged or for early post-emerge weed control in a tank mix with either diuron or ametryn.
- Do not apply directly over the ratoon sugarcane foliage but direct the spray across the inter-row to avoid wetting the crop foliage.
- Apply "Sharda Hexazinone 750 WG" on its own or in a tank mix with "Sharda Diuron 800 SC" or "Sharda Ametryn 500 SC" in 200 to 400 litres of water/ha according to the weed density, the season and soil type for residual weed control.

GENERAL

- "Sharda Hexazinone 750 WG" herbicide is absorbed by leaves and roots and should be applied prior to or during the period of active weed growth. It has a long residual action.
- Rainfall or irrigation within a few weeks after application will improve weed control.
- The effects of "Sharda Hexazinone 750 WG" on existing weeds are slow to appear. The level and length of weed control will depend on the dosage rate, rainfall and soil type.
- Do not exceed the recommended dosage rate on this label and do not repeat an application during the same growing season.
- Do not add an additional wetter, additive or surfactant to the spray mixture.
- Apply as a directed inter-row spray.
- Avoid direct spray contact with the crop leaves.

SHARDA HEXAZINONE 750 WG: PRE-EMERGE TREATMENTS AND POST-EMERGE TANK MIXES:

- Add the required quantity of "Sharda Hexazinone 750 WG" to the water in the spray tank while agitating.
- When used in a tank mix with "Sharda Diuron 800 SC" or "Sharda Ametryn 500 SC", first add "Sharda Hexazinone 750 WG" to the water in the spray tank. Then add the recommended amount of "Sharda Diuron 800 SC" or "Sharda Ametryn 500 SC" after it has been pre-mixed with water to thin slurry.
- Spray the soil surface or emerged weeds with a correctly calibrated tractor-mounted boom sprayer or knapsack sprayer or aircraft (see aerial application) to give an even spray distribution on the target area.
- Use a spray volume of 200 to 400 litres water per ha with ground spray equipment.
- Agitate the spray mixture continuously during mixing and spraying.
- Best results are obtained when "Sharda Hexazinone 750 WG" and "Sharda Hexazinone 750 WG" + "Sharda Diuron 800 SC" or "Sharda Hexazinone 750 WG" + "Sharda Ametryn 500 SC" mixtures are applied to moist soil and when the climatic conditions are favourable for active weed growth.

- Thoroughly clean all traces of herbicide from application equipment immediately after use. Flush the tank, pumps, hoses and boom with clean water after removing nozzle tips and screens. Clean these parts separately.

Aerial Application

Aerial application of "Sharda Hexazinone 750 WG" may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SABS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- Volume: A spray mixture volume of 30 to 35ℓ per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- Droplet coverage: 30 to 40 droplets per cm² must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 300 to 350 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- Flying height: Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75% of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.
- Stop spraying if the wind speed exceeds 15 km/h.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following:
 - reduced efficacy due to suspension and evaporation of small droplets in the air (adequate coverage).
 - damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.
- Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

Dosage Rates

Post-emerge applications – it is recommended to use "Sharda Hexazinone 750 WG" for early post-emerge weed control in a tank mix with "Sharda Diuron 800 SC" under warm moist conditions or with "Sharda Ametryn 500 SC" under cool dry conditions.

TIME OF APPLICATION	SOIL TYPE AND PERCENT CLAY	PRE-EMERGE OF WEEDS	EARLY POST-EMERGE OF WEEDS
		"Sharda Hexazinone 750 WG"	"Sharda Hexazinone 750 WG" + "Sharda Ametryn 500 SC" or "Sharda Diuron 800 SC"
Early Season	Light – Loamy Sand : 5 – 15%	560 – 720 g/ha	+ 3.0ℓ "Sharda Ametryn 500 SC" or + 1.0ℓ "Sharda Diuron 800 SC"
	Loamy Sand – Sandy Clay Loam: 16 – 35%	720 – 880 g/ha	+ 3.0-4.0ℓ "Sharda Ametryn 500 SC" or + 1.0-1.5ℓ "Sharda Diuron 800 SC"
	Sandy Clay – Clay (including soils high in organic matter) > 35%	800 g – 1.0 kg/ha	+ 4.0ℓ "Sharda Ametryn 500 SC" or + 1.5-2.0ℓ "Sharda Diuron 800 SC"
Mid-Season	Light – Loamy Sand : 5 – 15%	560 – 640 g/ha	+ 3.0ℓ "Sharda Ametryn 500 SC" or + 1.0ℓ "Sharda Diuron 800 SC"
	Loamy Sand – Sandy Clay Loam: 16 – 35%	640 – 720 g/ha	+ 3.0-4.0ℓ "Sharda Ametryn 500 SC" or + 1.0-1.5ℓ "Sharda Diuron 800 SC"
	Sandy Clay – Clay (including soils high in organic matter) > 35%	640 – 800 g/ha	+ 4.0ℓ "Sharda Ametryn 500 SC" or + 1.5-2.0ℓ "Sharda Diuron 800 SC"
Late Season	Light – Loamy Sand : 5 – 15%	320 – 360 g/ha	+ 3.0ℓ "Sharda Ametryn 500 SC" or + 1.0ℓ "Sharda Diuron 800 SC"
	Loamy Sand – Sandy Clay Loam: 16 – 35%	640 g/ha	+ 3.0-4.0ℓ "Sharda Ametryn 500 SC" or + 1.0-1.5ℓ "Sharda Diuron 800 SC"
	Sandy Clay – Clay (including soils high in organic matter) > 35%	720 g/ha	+ 4.0ℓ "Sharda Ametryn 500 SC" or + 1.5-2.0ℓ "Sharda Diuron 800 SC"

SUGARCANE FIELD VERGES

- This application is for vegetation management and will not give complete weed control. Some weeds will be controlled and the development of others will be stunted.
- Apply "Sharda Hexazinone 750 WG" in 200 to 400 ℓ water per ha as a broadcast post-emerge weed control spray.
- Apply when the young weeds are actively growing; grasses should be pre-tillering or very early post-tillering.
- Direct the spray away from the sugarcane to avoid "Sharda Hexazinone 750 WG" contact with the crop.

SOIL TYPE	DOSAGE PER Ha	SPOT TREATMENT (PER 10m ²)
Sand and Sandy Loam: < 20% clay	2.4kg	2.4g
Sandy Clay Loam: 21 – 35% clay	3.6kg	3.6g
Sand Clay to Clay: > 35% clay	4.8kg	4.8g

WEEDS CONTROLLED

"Sharda Hexazinone 750 WG" will control susceptible weeds as the seeds germinate. Post-emerge "Sharda Hexazinone 750 WG" in tank mixes will control susceptible broadleaf weeds up to the 8-leaf stage and grasses pre-tillering.

COMMON NAME	COMMON NAME
<i>Ageratum conyzoides</i> Broad Leaf Weeds Invading Ageratum Common pigweed	Grasses <i>Brachiaria eruciformis</i> Sweet signal grass <i>Digitaria sanguinalis</i> Crab finger grass <i>Digitaria species</i> Finger grass <i>Eleusine coracana</i> African goose grass <i>Eleusine indica</i> Goose grass <i>Panicum maximum</i> Common buffalo grass (pre-tillering) <i>Panicum schinzii</i> Sweet buffalo grass <i>Panicum subalbidum</i> Elbow buffalo grass <i>Setaria verticillata</i> Sticky bristle grass <i>Setaria pallide-fusca</i> Red bristle grass
<i>Portulaca oleracea</i> Purslane <i>Sida rhombifolia</i> Flannel weed <i>Solanum nigrum</i> Nightshade <i>Siegesbeckia orientalis</i> St Paul's wort	Sedges <i>Cyperus esculentus</i> Yellow nutsedge (post emerge only)

The following herbicides are registered by Sharda International Africa cc under Act No 36 of 1947;
"SHARDA AMETRYN 500 SC" – REG. NO. L XXXX (PENDING)
"SHARDA DIURON 800 SC" – REG. NO. L XXXX (PENDING)

