

BENTA 480 SL

Reg. No. L9564, Act No. 36 of 1947 | Reg. Nr. L9564, Wet Nr. 36 van 1947

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

A water soluble selective contact herbicide for the post-emergent control of certain broadleaf weeds and yellow nutsedge in crops as listed.

'n Wateroplosbare selektiewe kontak onkruidodder vir die na opkoms beheer van sekere Breëblaar-onkruiden en geeluintjies in gewasse soos gelys.

HERBICIDE GROUP CODE C3

ACTIVE INGREDIENT

Bendioxide (thiadiazine) 480 g/l

Hazard statements:

Harmful if swallowed

Causes serious eye irritation

May cause an allergic reaction

Harmful to aquatic life with long lasting effects

Precautionary Statements:

Wash hands, face and any exposed skin thoroughly after handling. Wear protective gloves/protective

clothing/eye protection/face protection.

Wash contaminated clothing before reuse.

ONKRUIDDODER GROEPKODE C3

AKTIEWE BESTANDDEEL

Bendioksied (tiadiazien) 480 g/l



Warning

Manufactured for and registered by/Vervaardig
vir en geregistreer deur:

Sharda International Africa (PTY) LTD

Reg. No./Reg. Nr. 2010/002268/07

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BATCH NO. LOT NR.	
EXPIRY DATE VERVAL DATUM	

NET CONTENTS /
NETTO INHOUD

20 l

WARNINGS

- Harmful if swallowed
- Causes serious eye irritation
- May cause an allergic reaction
- Harmful to aquatic life with long lasting effects
- 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.
- The use of "BENTA 480 SL" is not recommended for use on leguminous crops where an organophosphate insecticide was applied at planting. This combination may cause injury to the crop.
- Re-entry interval: Do not enter the treated field until the spray deposit has dried 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 soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of weeds against 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 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 the event of any uncertainty.

PRECAUTIONS

- Wash hands, face and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.
- IF ON SKIN: Wash with plenty of water
- If skin irritation or rash occurs: Get medical advice/attention.
- Wash contaminated clothing before reuse.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- Avoid release to the environment.
- Do not inhale fumes or spray mist.
- Wear protective clothing when handling the concentrate (face shield, rubber boots and gloves).
- Avoid contact with the skin and eyes.
- Do not eat, drink or smoke while 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 or onto desirable plants or trees, or on areas where their roots may extend, or in locations where the product may be washed or moved into contact with their roots.
- Rinse the 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 disposing of the container by perforation and flattening. Never use the container for any other purpose.
- Clean the applicator thoroughly after use and dispose of the wash water where it will not contaminate crops, grazing, rivers or dams.

RELEVANT SUBSTANCES:

Component	%
Bentazone	< 50 %

RESISTANCE WARNING:

For resistance management "BENTA 480 SL" is a group code C3 herbicide. Any weed population may contain individuals naturally resistant to "BENTA 480 SL" and other group code C3 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by "BENTA 480 SL" or any other group code C3 herbicide. To delay herbicide resistance:

- Avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank mix with registered 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: Use only as directed

USE RESTRICTIONS:

- Do not apply "BENTA 480 SL" during cold conditions (or if such conditions are expected), or if frost is likely or expected to occur, and do not apply when the crop and weeds are under stress (drought, heat, waterlogging).

MIXING INSTRUCTIONS:

"Half fill the spray tank with water, add the required amount of "BENTA 480 SL", and then fill the spray tank to the desired volume. Ensure agitation of the spray mixture during mixing and spraying.

APPLICATION INSTRUCTIONS:

- Apply "BENTA 480 SL" to young and actively growing weeds as an early post-emergence application.
- Ensure complete and thorough coverage of the weeds with the spray mixture.
- The effectiveness of "BENTA 480 SL" may be adversely affected by rainfall or irrigation within the first 8 hours following application of the spray mixture.
- A minimum water volume of 300 ℓ water per hectare should be used to apply "BENTA 480 SL".
- Ensure that the application equipment used is accurately calibrated.

NOTE A: Important for the control of broadleaf weeds

- "BENTA 480 SL" has little or no residual activity. A repeat application may be necessary for the control of weeds germinating after the first treatment.
- Favourable growth conditions are important for effective weed control. Stress conditions (drought, heat, waterlogging) before, during or after application will adversely affect weed control.

NOTE B: Recommendations for the control of yellow nutsedge (*Cyperus esculentus*)

- Favourable growth conditions before and during application are of importance for the control of germinated yellow nutsedge. These favourable conditions include adequate soil moisture for optimum plant growth and warm, humid weather (relative humidity ≥ 65 %). At the time of application, the yellow nutsedge plants should be beyond the 4-leaf stage.
- "BENTA 480 SL" has little or no residual activity. A repeat application may be necessary for the control of untreated late germinating yellow nutsedge.
- Under conditions which are less favourable, yellow nutsedge will only be suppressed and re-growth may occur. A repeat application of "BENTA 480 SL" may then be necessary 7 to 10 days after the first application.
- Apply a spray mixture (1 %) of 1.0 ℓ "BENTA 480 SL" in 100 ℓ water as a spot treatment, provided that the conditions are favourable, as described above. Ensure thorough wetting of the plants, however do not exceed the recommended dosage rates listed in the **APPLICATION TABLE**.
- Apply a minimum of 3.0 ℓ "BENTA 480 SL" per hectare in a water volume of not less than 300 ℓ water per hectare. Increase the rate to 4.0 ℓ "BENTA 480 SL" per hectare on dense stands of yellow nutsedge in maize, grain sorghum and groundnuts. Extreme cases will require an application rate of 5.0 ℓ "BENTA 480 SL" per hectare in 500 ℓ water, as well as the use of a suitable wetting additive according to label instructions.

- "BENTA 480 SL" will not control yellow nutsedge under adverse conditions such as drought, cold weather, dry and windy conditions, and low air humidity.

APPLICATION TABLE:

CROP AND WEED	DOSAGE RATE (ℓ PER HA)	REMARKS
BEANS (Dry beans, Green beans)	2.0 – 3.0 ℓ per ha	BROADLEAF WEEDS: Use the 2.0 ℓ per hectare dosage rate after the first trifoliolate leaf is fully expanded, and before the beans have reached the second trifoliolate leaf stage. The 3.0 ℓ per hectare dosage rate may be used thereafter. Temporary injury to the crop may occur with the application of "BENTA 480 SL", however this will not have a negative impact on yield. Also refer to NOTE A . Green beans: Do not apply more than 2.0 ℓ "BENTA 480 SL" per hectare in inland regions, especially where there is a very high sun intensity. Using a higher dosage rate may result in crop injury.
	3.0 ℓ per ha	YELLOW NUTSEDGE: This dosage rate must not be exceeded as crop injury may result. Also refer to NOTE B .
GROUNDNUTS	2.0 – 3.0 ℓ per ha	BROADLEAF WEEDS: Apply from the first trifoliolate leaf stage onwards. A second application may be applied to late germinating weeds. Also refer to NOTE A .
	3.0 – 5.0 ℓ per ha	YELLOW NUTSEDGE: Also refer to NOTE B .
MAIZE, SORGHUM, WHEAT and other small grain crops	2.0 – 3.0 ℓ per ha	BROADLEAF WEEDS: Apply during any stage of development, however refer to WEEDS CONTROLLED (leaf stage of the weed). Also refer to NOTE A .
	3.0 – 5.0 ℓ per ha	YELLOW NUTSEDGE: Also refer to NOTE B .
SOYA BEANS	2.0 – 3.0 ℓ per ha	BROADLEAF WEEDS: Apply from the second trifoliolate leaf stage onwards. A second application may be applied to late germinating weeds. Temporary injury to the crop may occur with the application of "BENTA 480 SL", however this will not have a negative impact on yield. Also refer to NOTE A .
	3.0 ℓ per ha	YELLOW NUTSEDGE: This dosage rate must not be exceeded as crop injury may result. Also refer to NOTE B .

WEEDS CONTROLLED:

BOTANICAL NAME	COMMON NAME	LEAF STAGE AND DOSAGE RATE (ℓ PER HA)	
		2.0 ℓ per ha	3.0 ℓ per ha
<i>Acanthospermum hispidum</i>	Upright starbur	6	8
<i>Argemone subfusiformis</i> (= <i>A. ochroleuca</i>)	Mexican poppy	4	6
<i>Bidens pilosa</i>	Blackjack	4	6
<i>Chenopodium album</i>	White goosefoot	2	4
<i>Cleome monophylla</i>	Single-leaved cleome	4	6
<i>Commelina benghalensis</i> *	Benghal wandering Jew	-	4
<i>Cyperus esculentus</i>	Yellow nutsedge	Refer NOTE B.	
<i>Datura ferox</i>	Large thorn apple	6	8
<i>Datura stramonium</i>	Common thorn apple	6	8
<i>Galinsoga parviflora</i>	Gallant soldier	4	6
<i>Hibiscus trionum</i>	Bladder hibiscus	4	6
<i>Ipomoea purpurea</i>	Common morning glory	-	4
<i>Nicandra physaloides</i>	Apple-of-Peru	4	6
<i>Portulaca oleracea</i>	Purslane	4	6
<i>Raphanus raphanistrum</i>	Wild radish	4	6
<i>Ricardia brasiliensis</i> *	Mexican richardia	-	2
<i>Schkuhria pinnata</i> *	Dwarf marigold	2	4
<i>Senecio consanguineus</i>	Ragwort	4	6
<i>Sida spinosa</i>	Sida	4	6
<i>Tagetes minuta</i>	Khaki weed	4	6
<i>Tribulus terrestris</i> *	'Dubbeltjie'	2	4
<i>Xanthium strumarium</i>	Cockle bur	6	8

* Depending on conditions, variable weed control can be expected.