

KEEP OUT OF REACH OF CHILDREN
BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY

GEIGY 500 SC™

Reg No. L 10637, Act No. 36 of 1947

Geigy 500 SC is a suspension concentrate herbicide for the control of annual broadleaf weeds and certain grasses in maize, grain sorghum and sugarcane.

Reg No. L 10637, Act No. 36 of 1947

Geigy 500 SC is 'n suspensie konsentraat onkruidoder vir die selektiewe beheer van eenjarige breëblaaronkruide en sekere grasse soos aangedui in mielies, graansorghum en suikerriet.

GROUP/GROEP

A

HERBICIDE/ONKRUIDDODER



HAZARD STATEMENTS:

Toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
May cause damage to organs through prolonged or repeated exposure.
May cause allergic skin reaction.
May cause serious eye damage.

PRECAUTIONARY STATEMENTS:

Wear rubber gloves, boots, protective clothing and goggles.
Avoid release onto the environment.

ACTIVE INGREDIENTS | AKTIEWE BESTANDELE

Atrazine 485 g/ℓ Atrazine
Triasien 15 g/ℓ Triasien

Volume Packaging

20ℓ

Volume Verpakking

24 HOUR EMERGENCY NUMBER / 24 UUR NOODNOMMER
Poisons Helpline: 0861 555 777

Manufacturing date / Vervaardigingsdatum:
Batch Number / Lotnommer:
UN No / VN Nr :

DIRECTIONS FOR USE ENCLOSED

Batch number: Refer to details printed
Manufacturing date: Printed on container/bag

Registered by / Geregistreer deur:
AGRIVI SOUTH AFRICA (PTY) LTD
7 Louw Street, Kroonstad, 9499
Registration No. 2005/024417/07
Tel: +27 83 564 8357

GEBRUIKSAANWYSINGS INGESLUIT

Lotnommer: Verwys na besonderhede
Vervaardigingsdatum: Gedruk op houër/sak

Hazard Statements

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DISCLAIMER

Although this remedy 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 the disease 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:

- Do not eat, drink or smoke while mixing, spraying or after washing hands and face.
 - Prevent contamination of food, feeds, drinking water and eating utensils.
 - Change and wash your clothes after application.
 - Wash yourself with soap and water after application or accidental skin contact.
 - Do not inhale spray mist and fumes.
 - Do not mix and load within at least 15 m from boreholes, streams and rivers.
 - Do not apply within at least 60 m from dams.
 - Ensure that no back-siphoning to boreholes or dams takes place when product is applied through the irrigation system.
 - Avoid spray drift onto other crops, grazing, rivers, dams and areas not under treatment.
 - Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
 - **Rinse the container three times with a volume of water equal to a minimum of 10 % of the container.**
- Add the rinsing to the contents of the spray tank.**
- Destroy empty container, do not use for any other purpose. (Poisons Helpline 0861 555 777)

RELEVANT SUBSTANCES

Active Ingredients/Substance	Quantity g/l
Atrazine	500
Soprophor FD	40
Xanthan Gum	10

FIRST AID TREATMENT

- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical help if patient continues to feel unwell.
- **Skin contact:** Remove contaminated clothing and shoes. Gently clean off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Obtain medical attention if irritation persists or patient feels unwell.
- **Eye contact:** Flush eyes with clean water for at least 15 to 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention immediately.
- **Ingestion:** Seek medical help or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

NOTE TO PHYSICIAN

No signs and symptoms of Triazine poisoning are known or expected in humans. An antidote is neither known nor needed. Treat symptomatically when required. When large amounts have been ingested, gastric lavage or the administration of activated charcoal with water may be indicated.

USER INSTRUCTIONS

1. To avoid damage to follow-up crops the following waiting periods should be taken into consideration:
- a) Maize and sugarcane.....**None**
 - b) Grain sorghum.....**12 months**
 - c) Sunflower, small grain, feed sorghum, dry beans, groundnuts, soya beans, Potatoes.....**18 months**
 - d) All other crops (Test planting is nevertheless recommended).....**24 months**
 - e) Where the rate of **Geigy 500 SC** does not exceed 2,0 l / ha the waiting periods mentioned under b) and c) can be reduced to 9 months with the exception of the sandy soils of the Northwest Province and North-West Free State which contain 0-10 % clay.

NOTE:

The above-mentioned waiting periods will only be valid if the correct quantity of **Geigy 500 SC** has been applied according to the soil type and an average or above average rainfall has been experienced during and after the season in which the **Geigy 500 SC** has been applied.

2. When **Geigy 500 SC** is applied to soils which expand on wetting and crack or crumble on drying out, such as turf soils, **Geigy 500 SC** may remain active in the soil much longer than the above-mentioned waiting periods. Thus it should not be applied to such soils if it is contemplated to plant **ATRAZINE** sensitive crops in the foreseeable future. On these soils, weeds may also not be controlled satisfactorily by a pre-emergence application.

3. Do not apply **Geigy 500 SC** to inbred plants of maize or grain sorghum hybrids or experimental or newly released maize and grain sorghum cultivars without first referring to the manufacturer or seed supplier.

SPRINGBOK FLATS AREA:

Geigy 500 SC is normally not recommended. If, however, you want to use **Geigy 500 SC** first consult the representative of the firm.

DIRECTIONS FOR USE: Use only as indicated.

MIXING INSTRUCTIONS:

Shake well before use. Fill half the spray tank with clean water, add the required amount of **Geigy 500 SC**. Top up with water. **Keep the chemical in continuous suspension by means of agitation. After each day's spraying, thoroughly flush tank with water.**

APPLICATION:

Accurately calibrate spray equipment prior to application. Use fan type nozzles to ensure a uniform coverage. Apply onto a well prepared seedbed free of clods and with an even surface. It is preferable that rain should follow within 7-10 days after application in order to leach the **Geigy 500 SC** into the top layer of the soil where it can be absorbed by roots of germinating weeds. If after application, dry weather conditions should prevail for a period of 7-14 days, weeds may germinate and develop. If this happens, a very shallow cultivation with a millipede should follow to control these weeds and to incorporate the herbicide into the top layer of the soil. Where application is made post-emergence to the crop and weeds, broadleaf weeds should not be beyond the seedling stage (2 leaf stage) and grasses should not have emerged. Same rates as for pre-emergence. Use 200 – 400 litre water per ha for overall application. Proportionately lesser volumes of water to be used in the case of band treatment.

AERIAL APPLICATION:

Geigy 500 SC can be applied as an aerial application provided that the spray is evenly distributed over the target area and the loss of the spray mixture during application is limited to minimum to achieve this, it is essential that the following requirements be met:

- Only conventional spray boom to be used. Spray boom to be fitted with flat fan type nozzle e.g. SS6515 or similar
- Minimum spray volume of 30 ℓ / ha
- A minimum of 20 – 30 droplets per square centimeter to be sprayed on the target area.
- The spray to have a "VDM" of 450 micron.
- Maintain a flight height of 3 metres above the target area at wind speed of 0-8 km/h and 2 metres at wind speed of 8-15 km/h. Stop spraying as soon as the wind speeds exceed 15 km/h.
- The difference between the wet and dry bulb readings as determined by a swinging hygrometer, should not be more than 8 degrees Celsius.

- Do not spray during the hottest part of the day.
- Ensure that the lands are accurately marked.
- It is essential to obtain assurance from the air spray operator that the above specifications will be met.

1. MAIZE:

Pre-emergence and early post-emergence

% CLAY	DOSAGE ℓ / ha
0 - 10	2,5
11 - 20	3,25
21 - 30	4,0
31 - 40	4,75
41 - 50	5,0

These application rates are for overall application of the herbicide. Proportionately lesser amounts of the herbicide should be applied per ha of maize in the case of band treatment.

For soils with >50 % clay or soils with more than 3 % organic matter, higher dosage rates may be required.

2. GRAIN SORGHUM:

% CLAY	ℓ / ha	REMARKS
0 - 25	--	Not recommended
26 - 30	4,5	Post-emergence only when the grain sorghum has at least 5 leaves at time of application.
31 - 35	4,75	Pre- and post-emergence
36 - 40	4,75	Grasses already emerged at time of application will not be controlled.
41 - 55	5,0	

Do not apply to soil likely to become waterlogged. Do not apply to soils with high leaching potential and do not irrigate after application. Under cold and/or high rainfall conditions after application **Geigy 500 SC** may damage sorghum, irrespective of soil type. Do not exceed the recommended dosage rates.

3. SUGAR-CANE:

% CLAY	ℓ / ha	REMARKS
0 – 35	2,5	Apply as a pre-emergence overall spray. For best result, apply immediately before rain is expected.
> 35	--	Not recommended.

LIST OF WEEDS CONTROLLED:

BOTANICAL NAME	COMMON NAME
Grasses:	
<i>Eleusine indica</i>	Goose grass
<i>Setaria pallide-fusca</i>	Garden bristle grass
Broadleaf weeds:	
<i>Acanthospermum australe</i>	Eight-seeded prostate starbur
<i>Acanthospermum hispidum</i>	Upright starbur
<i>Acanthospermum glabratum</i>	Prostrate starbur
<i>Amaranthus hybridus</i>	Cape pigweed
<i>Amaranthus thunbergii</i>	Red pigweed
<i>Amaranthus spinosus</i>	Thorny pigweed
<i>Bidens bipinnata</i>	Spanish black jack
<i>Bidens pilosa</i>	Black JackCosmos
<i>Cosmos bipinatus</i>	White goosefoot
<i>Chenopodium album</i>	Green goosefoot
<i>Chenopodium carinatum</i>	Green goosefoot
<i>Cleome monophylla</i>	Spindlepod
<i>Cleome rubella</i>	Pretty lady
<i>Commelina benghalensis</i>	Benghal Commelina
<i>Crotalaria sphaerocarpa</i>	Wild lucerne
<i>Datura ferox</i>	Large thorn apple
<i>Datura stramonium</i>	Thorn apple
<i>Digitaria sanguinalis</i>	Crabfinger-grass
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Gisekia pharnaceoides</i>	Gisekia
<i>Hibiscus cannabinus</i>	Kenaf
<i>Hibiscus trionum</i>	Bladderweed
<i>Nicandra physaloides</i>	Apple-of-Peru
<i>Physalis angulata</i>	Wild gooseberry
<i>Portulaca oleracea</i>	Purslane
<i>Richardia brasiliensis</i>	Tropical Richardia
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Tagetes minuta</i>	Tall khaki weed
<i>Vigna vexillata</i>	Wild-cowpea

If dry conditions prevail for a period of 7-10 days after application, the following weed species may not be adequately controlled, especially on heavy soils.

Cosmos bipinnatus

Commelina benghalensis

Datura spp

Eleusine indica

Under normal wet conditions the late season control may not be adequate.

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