

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

Herbicide



BROMASTOP 500 SC

Reg. No. L 10177 Act No. 36 of 1947
N-AR 1886 / W 130954

3: 27/7/2022 – Oct2022

A suspension concentrate soil applied herbicide with long residual action for the control of woody plants species as listed in natural pastures and non-crop areas.

ACTIVE INGREDIENT

bromacil (uracil)

500 g/l

GROUP

5

HERBICIDE



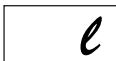
DANGER

Hazard Statements:

Harmful if swallowed.
Harmful in contact with skin.
Causes mild skin irritation.
Causes serious eye damage.
Suspected of causing cancer.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Avoid release into the environment.
Wash hands thoroughly after handling. Do not touch eyes.



villa



UN Number: 3082

Registration holder: VILLA CROP PROTECTION (PTY) LTD.

Co. Reg. No.1992/002474/07

P.O. Box 10413, Aston Manor, 1630

Tel. (011) 396 2233

Website: www.villacrop.co.za

24 HR EMERGENCY NUMBERS:

Griffon Poison Centre: +27 82 446 8946

24 HR Transport / Spill Emergency no: (Hazcall24) +27 86 044 4411

(Client: Villa Crop Protection)

DIRECTIONS FOR USE ENCLOSED

Batch Number:

Date of Manufacture:

BROMASTOP 500 SC

Reg. No. L 10177 Act No. 36 of 1947

N-AR 1886 / W 130954

HRAC HERBICIDE GROUP CODE: 5

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WARNINGS**Hazard statements:**

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Harmful in contact with skin.
Causes mild skin irritation.
Causes serious eye damage.
Suspected of causing cancer.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

- Store in a cool place away from food, feeds, seed, fertilizers and other agricultural chemicals.
- Keep out of reach of children, animals and uninformed persons.
- Do not apply near desirable vegetation or where their roots may extend.

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 weeds to the remedy concerned, as well as by the method, time and accuracy of application. The registration holder further 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**Precautionary statements:**

Obtain, read and follow all safety instructions before use.
Wash hands and face thoroughly after handling. Do not touch eyes.
Do not eat, drink or smoke when using this product.
Avoid release into the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF SWALLOWED: Get medical help.
IF ON SKIN: Wash with plenty water and non-abrasive soap.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned, get medical advice.
See label for specific treatment.
Rinse mouth.
If skin irritation occurs get medical help.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Store locked up.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Do not inhale spray mist.

- Mixers, loaders, applicators, spray tank cleaners and other handlers must wear long-sleeved shirts and long pants, shoes, socks and protective eyewear.
- TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler www.croplife.co.za. Do not bury, burn, or donate the container to any other parties that may use it as a container for food or beverages.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Avoid spray drift onto other crops, grazing, rivers, dams or areas not under treatment. Do not apply where runoff out of the treated area can contaminate water or within 20 m of any permanent water source.
- Thoroughly clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- To avoid injury to desirable plants, spray equipment used for application must be thoroughly washed and rinsed, using the following method: Immediately following application, drain spray equipment. Thoroughly rinse sprayer and flush the hoses, boom and nozzles with clean water. Loosen and physically remove visible deposits. Remove and clean nozzles, screens and strainers.

Relevant hazardous components	
Bromacil	52.63 %
Polyoxyethylene lauryl ether	< 10 %
Sodium dodecyl benzene sulfonate	< 10 %
Ethylene glycol	< 5 %
Tributyl phosphate	< 5 %
Hydrogen chloride	< 5 %

FIRST AID TREATMENT

Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure.

- Inhalation:** Remove person from contaminated area to fresh air. If breathing has stopped, perform artificial respiration and administer oxygen. Avoid mouth-to-mouth resuscitation. Keep person warm and at rest. **Seek medical advice immediately.**
- Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. **Obtain medical attention if irritation persists.**
- Eyes:** Flush eyes with clean water for at least 15 to 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after five (5) minutes and continue rinsing. **Seek medical attention.**
- Ingestion:** Seek medical attention 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. Establish and maintain airway. Treat respiratory difficulty with artificial respiration and oxygen. Qualified medical personnel should perform administration of gastric lavage or oxygen. **Seek medical advice immediately.**

RESISTANCE WARNING

BROMASTOP 500 SC is a group code 5 herbicide. Any weed population may contain individuals naturally resistant to **BROMASTOP 500 SC** and other group code 5 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **BROMASTOP 500 SC** or any other group code 5 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.

MODE OF ACTION

BROMASTOP 500 SC is a herbicide absorbed mainly through the roots, with slight absorption through the leaves and stem. The active ingredient, **bromacil** is a photosynthetic electron transport inhibitor at the photosystem II receptor site.

USE RESTRICTIONS

- Under conditions of high rainfall, leaching of the product may occur which could result in product loss and reduced efficacy. **BROMASTOP 500 SC** may cause injury to grasses in the treated area, but these will recover and proliferate as tree and shrub competition is removed and the product leaches deeper into the soil. Heavy rainfall may increase lateral movement of the product in the soil and thus area of grasses affected.
- Do not apply near desirable plants or trees (such as windbreaks in citrus orchards and ornamental trees along roads and streets) or on areas, where the roots may extend, or in locations where the chemical may be washed or moved into contact with the roots.
- Do not use on soil where susceptible crops or any susceptible plants are to be grown in the foreseeable future.

DIRECTIONS FOR USE: Use only as directed.

General information

- **BROMASTOP 500 SC** is a long residual action herbicide. The degree and duration of control will depend on the dosage rate, rainfall and soil type.
- **BROMASTOP 500 SC** diluted for use is non-corrosive, non-volatile and non-flammable.
- **BROMASTOP 500 SC** treatments will only become effective after sufficient rain has fallen to leach the product into the root zone of the target plants to enable uptake. Application just prior to, or during the rainy season, is therefore always recommended. Do not apply towards the end of the rainy season.
- **BROMASTOP 500 SC** is slow acting, and plants may take up to 24 months to die, depending on species, soil type and rainfall. During this period treated plants will show repeated defoliation and regrowth with progressive dieback until death occurs. For this reason, a second application is not recommended within 24 months or until symptoms of defoliation no longer occur.

Application instructions

- An automatic vaccinator or similar applicator is recommended to ease application, especially applicators having a reasonable squirting distance (2 to 3 meters), which will enhance the ease of application in areas densely populated with the target species.
- Calibrate the applicator to deliver **2 ml per single dose**.
- Using the mixture dosage rates indicated below as determined by the species and soil type – apply one or more doses to the soil at the base of the target plant stem.
- **Do not apply onto the stem of the plant or on grass and dead leaves at the base of the stem – apply directly onto the soil at a recommended distance of 15 to 20 cm from the base of the stem.**
- If more than one dose must be applied, position these evenly around the base of the stem.

APPLICATION RATES

Important Notes:

- The dosage rates recommended below are for soils with a clay content of 10 to 30 %. Consult your supplier regarding applications on very shallow and gravelly soils.
- The mixture to be used will depend on the species to be treated.
- Refer to “**APPLICATION RATES**” below to select the correct mixture.
- Mix as follows: Empty the entire quantity of **BROMASTOP 500 SC** to be prepared into a suitable container.
- Add a small volume of water and stir thoroughly into a smooth cream. Then add the rest of the water while stirring constantly until a lump-free suspension is obtained.
- Agitate the mixture thoroughly before pouring suspension into the applicator tank and before refilling.
- Shake the tank frequently to keep the mixture in suspension while application is in progress.

Target Species	Dosage rate	Number of two (2) ml doses relative to tree height	
		Seedlings (up to 0.5 m height)	Established trees (>0.5 m)
Black thorn (<i>Senegalia mellifera</i>) Brandy bush (<i>Grewia flava</i>) Mopane** (<i>Colophospermum mopane</i>) Seringa (<i>Melia azedarach</i>) Sickle bush (<i>Dichrostachys cinerea</i>) Silver cluster leaf # (<i>Terminalia sericea</i>) Sweet thorn (<i>Vachellia karroo</i>) Umbrella thorn (<i>Vachellia tortilis</i>) White raisin*** (<i>Grewia bicolor</i>) Wild seringa (<i>Burkea africana</i>)	1.0 l in 5.0 l water	1*	Apply one additional dose for every 0.5 m increase in tree height. Do not apply more than 8 doses per tree.
Black wattle (<i>Acacia mearnsii</i>) Port Jackson (<i>Acacia longifolia</i>) Silver wattle (<i>Acacia dealbata</i>)	1.5 l in 2.0 l water	1	

* - Multi-stemmed seedlings up to 0.5 m may require two (2) dosages for optimum control.

** - Variable control may be obtained in sandy soils.

*** - Multi-stemmed plants need one dose per main stem.

- Not recommended on soils with less than 10 % clay.