

Read the label before opening the container.

For full particulars, see enclosed leaflet.

# BushWhacker SC



South Africa Reg. No: L 6706 Act No. 36 of 1947

Namibia Reg. No: N-AR 0696 Act No. 36 of 1947

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

HRAC HERBICIDE GROUP CODE: C1

**ACTIVE INGREDIENT:**

Bromacil (substituted uracil) .....500g/ℓ

Product Information Tel no: 072 678 8226

In case of poisoning: 082 446 8946

[www.envirobiochem.co.za](http://www.envirobiochem.co.za)

Expiry Date:

Batch No:

Date of Manufacture:



**Registration holder:**

Enviro Industries (Pty) Ltd t/a Enviro Weed Control Systems

Reg No: 1999/006136/07

44 Kerk Street, Lichtenburg

North West, South Africa 2740

Tel: +27 87 231 7261



CAUTION  
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## **WARNINGS:**

- Poisonous by swallowing.
- May irritate nose, skin, throat and eyes.
- Store away from food, feed, fertilizers and consumable products.
- Keep out of reach of children, animals and uninformed persons.
- Do not apply near desirable vegetation or where their roots may extend.
- Toxic to fish and aquatic organisms.

**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 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 inhale spray mist or dust.
- Wash contaminated clothing daily.
- Mixers, loaders, applicators, spray tank cleaners and other handlers must wear long-sleeved shirts and long pants, shoes, socks and protective eyewear.
- Wash with soap and water after use or accidental skin contact and before eating, drinking, using tobacco and using the toilet.
- Store product in original container in a secure, dry well ventilated area. Keep container tightly closed.
- Avoid drift or spray onto crops, grazing, rivers, dams, wetlands and any area not under treatment.
- Do not apply where run-off from the treated area will contaminate water or within 10 meters of permanent water.
- Do not mix or load within 20 meters of any body of water.
- Do not mix, load or clean spraying equipment within 20 meters of a well or fountain unless on an impervious pad to prevent groundwater contamination. Prevent groundwater contamination through backsiphoning when filling spray tank by means of a antisiphoning device or an air break between water hose and spray tank contents.
- Dispose of wash water where it will not contaminate crops, grazing, rivers and dams.
- Prevent contamination of food, feedstuff, drinking water utensils.
- Do not apply on or within 50 meters from desirable plants or trees (such as windbreaks, ornamental trees and 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 since such plants may be killed or severely damaged. Do not use on soils where susceptible crops are to be grown within 5 years.
- Over-application or any use not in accordance with the directions on this label may cause stunting of the crop and other adverse effects.
- 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. Flush the entire system with clean water. Clean all other associated application equipment.

### **Container disposal:**

- Containers and packages must be completely emptied before being disposed of.
- Shake out thoroughly into the mixing or spray tank before destroying the empty container.
- Never re-use the empty container for any other purpose.

## **RESISTANCE WARNING:**

For resistance management **BushWhacker SC** is a **group code C1** herbicide. Any weed population may contain individuals naturally resistant to **BushWhacker SC** and other **group code C1** herbicides. The resistant individuals can eventually dominate the weed

population if these herbicides are used repeatedly. **BushWhacker SC** or any other **group code C1** 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 holders of this product.

### **DIRECTIONS FOR USE: Use only as directed.**

- **BushWhacker SC** is a herbicide with long residual action. The degree of control and duration of effect will depend on the dosage rate, rainfall and soil type.
- **BushWhacker SC** diluted for use is non-corrosive, non-volatile and non-flammable.
- **BushWhacker SC** treatments will only become effective after sufficient rain has fallen to leach the product into the root zone for uptake. Application just prior to or during the rainy season is therefore always recommended. Do not apply towards the end of the rainy season.
- **BushWhacker 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.

Under conditions of high rainfall, leaching of the product may occur which could result in product loss and reduced efficacy. **BushWhacker 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.

### **Method of application:**

For ease of application the use of an automatic vaccinator or similar applicator is recommended.

Applicators having a reasonable squirting distance (2 to 3 meters) greatly facilitate ease of application in areas densely populated with the target species.

The applicator should be calibrated to deliver 2mℓ per single dose.

Using the mixtures indicated below – 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 20cm from the base of the stem. When more than one dose is applied, position these evenly around the base of the stem.

### **Preparing the product mixtures:**

The mixture to be used will depend on the species to be treated. Refer to **DOSAGE RATES** below to select the correct mixture.

Empty the entire quantity of **Bushwhacker SC** to be prepared into a suitable container. Add a little 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.

**DOSAGE RATES:**

**Important:** 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.

TARGET SPECIES	COMMON NAME	MIXTURE	NUMBER OF DOSES (2mℓ) IN RELATION TO TREE HEIGHT	
			SEEDLINGS (up to 0.5m tall)	ESTABLISHED TREES (higher than 0.5m)
<i>Acacia burkei</i>	Black Money Thorn	1 ℓ BushWhacker SC plus 5ℓ water	1 <sup>#</sup>	Apply one additional dose for every 0.5 m increase in tree height. Do not exceed eight doses per tree.
<i>Acacia erioloba</i>	Camel Thorn			
<i>Acacia erubescens</i>	Blue Thorn			
<i>Acacia exuvialis</i>	Flaky Thorn			
<i>Acacia galpinii</i>	Monkey Thorn			
<i>Acacia gerrardii</i>	Red Thorn			
<i>Acacia karoo</i>	Sweet Thorn			
<i>Acacia hebeclada</i>	Candle Thorn			
<i>Acacia mellifera</i>	Black Thorn			
<i>Acacia nebrownii</i>	Water Thorn			
<i>Acacia nigrescens</i>	Knob Thorn			
<i>Acacia nilotica</i>	Scented Thorn			
* <i>Acacia reficiens</i>	False camel Thorn			
<i>Acacia Senegal</i>	Three-hook Thorn			
<i>Acacia tenuispina</i>	"Fyndoring"			
<i>Acacia tortilis</i>	Umbrella Thorn			
<i>Burkea Africana</i>	Wildseringa			
* <i>Colophospermum mopane</i>	Mopane			
<i>Dichrostachys cinerea</i>	Sickle bush			
** <i>Grewia bicolor</i>	White rasin			
<i>Grewia flava</i>	Brandy bush			
<i>Melia azedarach</i>	Seringa			
<i>Tarchonanthus camphorates</i>	Camphor bush			
*** <i>Terminalia sericea</i>	Silver cluster leaf			
<i>Ziziphus mucronata</i>	Buffalo thorn			

TARGET SPECIES	COMMON NAME	MIXTURE	NUMBER OF DOSES (2mℓ) IN RELATION TO TREE HEIGHT	
			SEEDLINGS (up to 0.5m tall)	ESTABLISHED TREES (higher than 0.5m)
<i>Acacia longifolia</i>	Port Jackson	1.5ℓ <b>BushWhacker SC</b> plus 2ℓ water	1	Apply one additional dose for every 0.5 m increase in tree height. Do not exceed eight doses per tree.
<i>Acacia mearnsii</i>	Black wattle			
<i>Acacia dealbata</i>	Black wattle			

# Multi-stemmed seedlings up to 0,5 metre may require 2 dosages for adequate control.

\* Variable results on sandy soils

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

\*\*\* Not recommended on soils with less than 10% clay.

#### NOTES:

- Multi-stemmed trees require a higher rate of application than single stemmed trees. For multistemmed trees, apply up to double the number of doses than would be required for a singlestemmed specimen of similar height, but not exceeding 8 doses per tree.
- Solitary large trees may require a higher dose than those growing in close proximity, in which case a grid application pattern can be used. Grid application is permissible when a dose of **BushWhacker SC** will leach into the root zones of adjacent trees.
- Depending on weather conditions, thoroughness and accuracy of application, etc., follow-up applications may be necessary after 24 months or once defoliation symptoms no longer occur.
- Do not apply more than 8ℓ **BushWhacker SC** per ha in 24 months.