Read the label before opening the container. For full particulars, see enclosed leaflet.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

BUSHWACKER SC

South Africa Reg. No: L6706 Act No. 36 of 1947

HRAC HERBICIDE GROUP CODE: C1

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

ACTIVE INGREDIENT:

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

Product Information: 072 678 8226
In case of poisoning: 082 446 8946

HAZARD STATEMENTS

- May cause damage to organs through prolonged or repeated exposure
- Very toxic to aquatic life with long lasting effects.



PRECAUTIONARY STATEMENTS

- Do not breathe mist, vapours and spray.
- Avoid release into the environment.

enviro™ bio-chem

Registration holder: Eviro Industries (Pty) Ltd
Reg No: 1999/006136/07
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Expiry Date:
Batch No:
Date of Manufacture:

UN No. 3082

WARNINGS:

- May cause damage to organs through prolonged or repeated exposure
- Very toxic to aquatic life with long lasting effects.
- 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.

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 breathe mist, vapours and spray.
- Wash hands, forearms, and face thoroughly after handling.
- Do not eat, drink, or smoke when using this product.
- Mixers, loaders, applicators, spray tank cleaners and other handlers must wear long-sleeved shirts and long pants, shoes, socks and protective eyewear.
- 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.
- Triple rinse empty container in the following manner: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, 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 content of the spray tank. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.

RELEVANT SUBSTANCES:

Bromacil 50%
Polyethylene glycol 2, 4, 6-tris (1-phenylethyl) phenyl ether sulfate ammonium salt <5%
Ethylene glycol <5%
Cristobalite <5%

FIRST AID TREATMENT:
INGESTION: Immediately call a POISON CENTER or doctor/physician.
SKIN CONTACT: (or hair) Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
INHALATION: Remove person to fresh air and keep comfortable for breathing.
EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

RESISTANCE WARNING:
For resistance management **BUSHWACKER SC** is a **group code C1** herbicide. Any weed population may contain individuals naturally resistant to **BUSHWACKER SC** and other **group code C1** herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. **BUSHWACKER 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
- **BUSHWACKER 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.
- **BUSHWACKER SC** diluted for use is non-corrosive, non-volatile and non-flammable.
- **BUSHWACKER 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.
- **BUSHWACKER 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. **BUSHWACKER 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 BUSHWACKER 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 gravely 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)
Acacia Burkei	Black Money Thorn	1ℓ **BUSHWACKER SC plus** 5ℓ water	1#	Apply one additional dose for every 0.5 m increase in tree height. Do not exceed eight doses per tree.
Acacia Erioloba	Camel Thorn			
Acacia Erubescens	Blue Thorn			
Acacia Exuvialus	Flaky Thorn			
Acacia Galpinii	Monkey Thorn			
Acacia Gerrardii	Red Thorn			
Acacia Karoo	Sweet Thorn			
Acacia Hebeclada	Candle Thorn			
Acacia Mellifera	Black Thorn			
Acacia Nebrownii	Water Thorn			
Acacia Nigrescens	Knob Thorn			
Acacia Nilotica	Scented Thorn			
**Acacia Reficiens*	False Camel Thorn			
Acacia Senegal	Three-Hook Thorn			
Acacia Tenuispina	"Fyndoring"			
Acacia Tortilis	Umbrella Thorn			
Burkea Africana	Wildseringa			
**Colophospermum Mopane*	Mopane			
Dichrostachys Cinerea	Sickle Bush			
*** Grewia Bicolor*	White Rasin			
Grewia Flava	Brandy Bush			
Melia Azedarach	Seringa			
Tarchonanthus Camphorates	Camphor Bush			
**** Terminalia Sericea*	Silver Cluster Leaf			
Ziziphus Mucronata	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)
Acacia Longifolia	Port Jackson	1.5ℓ **BUSHWACKER SC plus** 2ℓ water	1	Apply one additional dose for every 0.5 m increase in tree height. Do not exceed eight doses per tree.
Acacia Mearnsii	Black Wattle			
Acacia Dealbata	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 **BUSHWACKER 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 **BUSHWACKER SC** per ha in 24 months.