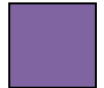




# BROMACIL 500 SC



Reg. No. L7139 Act No. 36 of 1947

**READ ATTACHED PACKAGED LEAFLET BEFORE USE  
AND  
KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

**GROUP 5 HERBICIDE**

**A suspension concentrate applied as a soil herbicide with long residual action for the control of annual and perennial broadleaf weeds and some grasses as listed, in citrus, pineapples, sisal, industrial areas and to control Black Thorn.**



**WARNING**

**Hazard statements**

- Harmful if swallowed.
- Causes skin irritation.
- Causes serious eye irritation.
- May cause respiratory irritation.
- Very toxic to aquatic life.
- May cause long lasting harmful effects to aquatic life.

**Precautionary statements**

- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid release to the environment.
- Collect spillage.

**ACTIVE INGREDIENT:**

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

**Registration holder**

UPL South Africa (Pty) Ltd  
 Co. Reg. No.: 2009/019713/07  
 7 Sunbury Office Park,  
 Off Douglas Saunders Drive, La Lucia Ridge,  
 South Africa, 4019  
 Tel: 031 514 5600

Net Volume:

*ℓ*

Batch No.:  
 Date of Manufacture:  
 Expiry date (< 2 years):

**U.N. No.3082**

**In case of Poisoning call the following number(s):** : Griffon Poison Information Centre: 082 446 8946,  
 Poisons Information Helpline: 0861 555 777,  
**Emergency number(s):** In case of Spillage: Spill Tech: 086 100 0366 / 083 253 6618

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HRAC HERBICIDE GROUP CODE: 5

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Tel: 031 514 5600

### WARNINGS

H302 - Harmful if swallowed.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.  
H410 - Very toxic to aquatic life with long lasting effects.

- May irritate nose, skin, throat, and eyes.
- **Toxic to fish, bees, and wildlife.**
- Store in a cool place away from food, feeds, seed, fertilizers, and other agricultural chemicals.
- Keep out of reach of children, uninformed persons, and animals.
- **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 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.**

### PRECAUTION

P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read carefully and follow all instructions.  
P261 - Avoid breathing fume/mist/vapour/spray.  
P264 - Wash hands and face thoroughly after handling.  
P270 - Do not eat, drink, or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment (if this is not the intended use).  
P280 - Wear protective gloves, protective clothing, eye protection, and face protection.  
P264 + P265 - Wash hands and face thoroughly after handling. Do not touch eyes.  
P319 - Get medical help if you feel unwell.  
P330 - Rinse mouth.  
P391 - Collect spillage.  
P301 + P317 - IF SWALLOWED: Get medical help.  
P302 + P352 - IF ON SKIN: Wash with plenty of water.  
P332 + P317 - If skin irritation occurs: Get medical help.  
P337 + 317 - If eye irritation persists: Get medical help.  
P362 + P364 - Take off contaminated clothing and wash it before re-use.  
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P405 - Store locked up.  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

- **DO NOT** inhale spray mist.
- Wash with soap and water after use or accidental skin contact.
- **DO NOT** eat, drink, or smoke whilst applying, mixing, or before washing hands and face and changing clothing.
- Mixers, loaders, applicators, spray tank cleaners and other handlers must wear long-sleeved shirts and long pants, shoes, socks, and protective eyewear.
- 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 meters of any permanent water source.
- Clean applicator thoroughly after use and dispose of wash water where it will not contaminate food, grazing, rivers, or dams.
- **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 (3) three times in succession with one (1) 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](http://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 and wash contaminated clothing daily.

### **RELEVANT SUBSTANCES**

<b>Bromacil</b>	30 to 40 %
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### **FIRST AID TREATMENT:**

First-aid measures general	: Never give anything by mouth to an unconscious person. Keep the affected person calm, warm and covered up. If feeling unwell, seek medical advice (show the label and this SDS to medical personnel where possible). First Aid personnel should always pay attention to their own safety and wear the appropriate personal protective equipment.
First-aid measures after inhalation	: Immediately remove person to fresh air and keep comfortable for breathing. If breathing is difficult, have qualified personnel administer oxygen. Allow the victim to rest. Obtain medical advice.
First-aid measures after skin contact	: Immediately remove all contaminated clothing including shoes and rinse skin with plenty of water for 15 to 20 minutes. <b>DO NOT</b> rub the skin. Obtain medical advice/attention if irritation occurs and persists. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Immediately rinse cautiously with water for several minutes (at least 15 minutes) while holding the eyelids apart. Check for and remove contact lenses, if easy to do. Continue rinsing. If irritation, pain, swelling, lacrimation, or photophobia persist after 15 minutes of irrigation, an ophthalmologic examination should be performed.
First-aid measures after ingestion	: Immediately rinse mouth. <b>DO NOT</b> induce vomiting (due to aromatic solvent in the product) unless directed to do so by a medical practitioner. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomits. Obtain immediate medical attention or contact a Poison Information Centre.

### **USE RESTRICTIONS**

**DO NOT** apply near desirable plants or trees (such as wind breaks in citrus orchards and ornamental trees along roads and streets or on areas, where their roots may extend) or in locations where the chemical may be washed or moved into contact with their roots.

**DO NOT** use on soil where susceptible crops or any susceptible plants are to be grown in the foreseeable future.

### **MODE OF ACTION**

Bromacil is a pre- and post-emergence control of annual and perennial grass and broad-leaved weeds. Bromacil is a selective, systemic herbicide, absorbed primarily by roots with limited absorption by leaves and stems, translocated acropetally in the xylem.

### **NOTICE TO THE USER**

**THIS AGRICULTURAL REMEDY IS TO BE USED ONLY IN ACCORDANCE WITH THE INSTRUCTIONS ON THE LABEL. IT IS AN OFFENCE UNDER THE ACT TO USE THIS AGRICULTURAL REMEDY FOR ANY PURPOSE IN A MANNER CONTRARY WITH THE DIRECTIONS ON THE LABEL.**

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

Use a sprayer, which will distribute the required amount evenly over the area to be treated. Use a coarse spray to reduce drift. Best control would be obtained when weeds are short or when excess growth is mowed and removed before application. Best results will be obtained if applied shortly before or at the time when the seeds are growing actively. Rain or thorough watering after application will cause the material to move to the root zone where it is taken up and thus speed up control. The effectiveness and length of time that control will last, will depend on the type of soil, amount of rain and other conditions. Adequate agitation is essential.

### **CONSULT THE TABLE UNDER DOSAGE RATES FOR RECOMMENDED APPLICATION RATES, TAKING INTO ACCOUNT THE FOLLOWING SOIL CHARACTERISTICS OF THE APPLICATION SITE.**

1. Highly vulnerable: [less than 0.5 % organic matter, greater than 50 % sand, water table less than two (2) meters below surface and annual rainfall more than 1000 mm]: **DO NOT** use more than 4.0 l **BROMACIL 500 SC** of hectare per year.
2. Moderately vulnerable: [at least two (2) of the characteristics as described previously are not present]: **DO NOT** use more than 12,0 l **BROMACIL 500 SC** of hectare per year.
3. Least vulnerable: [more than three of the characteristics as described previously are not present]: **DO NOT** use more than 20.0 l **BROMACIL 500 SC** of hectare per year.

### **WEED RESISTANCE MANAGEMENT**

When herbicides with the same mode of action are used repeatedly over several years to control the same weed species in the same site, naturally occurring resistant weed biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that site. These resistant weed biotypes may not be adequately controlled. Cultural practices such as tillage, preventing weed escapes from going to seed, and using herbicides with a different mode of action within and between crop seasons can aid in delaying the proliferation and possible dominance of herbicide resistant biotypes.

<b>Crop/soil type</b>	<b>Dosage: ℓ /ha</b>	<b>Spot treatment [mℓ per 50 m<sup>2</sup>]</b>	<b>Remarks</b>
<b>Pineapples</b> Directly after planting and onto established plantations  < 10 % clay 10 to 15 % clay 15 to 20 % clay 20 to 35 % clay	2,4 3,2 4,0 4,8	13 16 20 25	Apply as a full cover application on cleanly cultivated soil. Perennial broadleaf weeds and grasses are not controlled at these rates. Apply as an overall surface spray directly after planting before active growth takes place, using at least 1000 ℓ water/ha. Well-established plantations may also be treated.
<b>Citrus</b> <u>Established trees older than 2 years only</u>  < 10 % clay 10 to 15 % clay 15 to 20 % clay 30 to 35 % clay 35 to 55 % clay	4,8 6,4 8,0 9,6 12,8	25 30 40 50 65	Use on cleanly cultivated soil or on actively growing weeds in a young stage. Two applications at half rate with 6 to 12 weeks interval usually give better results than one application. Apply to moist soil using at least 1000 litres of water/ha. When spot spraying <i>Cynodon dactylon</i> spray to the point of runoff. <b>DO NOT</b> apply dimethoate to soil previously treated with <b>Bromacil 500 SC</b> , alternatively <b>Bromacil 500 SC</b> must not be applied within 12 months of a soil application of dimethoate.
<b>Sisal</b> <b>Established plants</b> Up to 10 % 11 to 15 % clay 16 to 20 % clay 21 to 35 % clay 36 to 55 % clay	4,8 6,4 8,0 9,6 12,8	25 30 40 50 65	Use on cleanly cultivated soil or on actively growing weeds in a young stage. When only the rows are treated, the rates of application should be decreased accordingly.
<b>Control of Black Thorn</b>	2,4 mℓ /tree		Mix 800 mℓ in sufficient water to moisten a quantity of sand with which 300 trees can be treated (500 grams of sand per tree is considered a convenient quantity). Thoroughly mix the water suspension with the measured quantity of sand and use 500 g of treated sand per tree. The sand should not be spread out but applied on the ground as a single heap. In this way 2.4 mℓ of the product is applied per tree. Treated camps may be grazed immediately. They should not however be planted with other plants for at least three (3) years after treatment.
<b>Industrial areas</b> Railroads, road shoulders, etc.  < 20 % clay 20 to 35 % clay < 35 % clay Ash	12,8 to 16,0 16,0 to 19,2 19,2 to 24,0 24,0	80 100 110 110	Use the higher rate where existing weeds are treated. Where dense growth of weeds occur a suitable contact weed killer may be included in the spray.  <b>DO NOT</b> exceed the application volume of 24 ℓ per season of <b>BROMACIL 500 SC</b> on the same application area.

**Some weeds species normally controlled by BROMACIL 500 SC**

<b>Botanical Name</b>	<b>Common Name</b>
<i>Acacia mellifera</i> subsp. <i>detinens</i>	Black thorn
<i>Acanthospermum hispidum</i>	Upright starbur
<i>Amaranthus hybridus</i>	Common pigweed
<i>Aristida congesta</i>	Tassel three-awn
<i>Brachiaria eruciformis</i>	Sweet signal grass
<i>Bidens bipinnata</i>	Spanish blackjack
<i>Chloris pycnothrix</i>	Spiderweb Chloris
<i>Cynodon dactylon</i>	Common quickgrass
<i>Cyperus esculentus</i>	Yellow nutsedge
<i>Cyperus rotundus</i>	Purple nutsedge
<i>Digitaria sanguinalis</i>	Crab-fingergrass
<i>Eleusine indica</i>	Goose grass
<i>Hyparrhenia hirta</i>	Common thatching grass
<i>Panicum schinzii</i>	Sweet buffalo grass
<i>Pennisetum clandestinum</i>	Kikuyu grass
<i>Richardia brasiliensis</i>	Tropical Richardia
<i>Setaria verticillata</i>	Burr bristle grass
<i>Sida cordifolia</i>	Flannel weed
<i>Tagetes minuta</i>	Khaki weed
<i>Tragus racemosus</i>	Large carrot-seed grass
<i>Portulaca oleracea</i>	Purslane