

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

SHAKE THE BOTTLE WELL BEFORE USE.

Herbicide



UNIRON 500 SC

Reg. No. L 10227 Act/Wet No. 36 of/van 1947

1/2/2017 – Feb2017

*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.*

*'n Suspensie konsentraat grondtoegediende onkruidodder met lang nawerking vir die beheer van houtagtige plantspesies in natuurlike veld en nie-gewas area's soos aangedui.*

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

tobuthiuron (urea compound) 500 g/l tobutiuron (ureamverbinding)

HRAC HERBICIDE GROUP CODE **C2** HRAC ONKRUIDDODER GROEPPKODE



**villa**

Registration holder / Registrasiehouer:  
Universal Crop Protection (Pty) Ltd.  
Co. Reg. No. / Mpy. Reg. Nr. 1983/008184/07  
PO Box / Posbus 801, Kempton Park, 1620  
Tel: 011 396 2233  
Website / Webblad: [www.villacrop.co.za](http://www.villacrop.co.za)

UN Number: 3082



Willow Set & Print 011 394-4486



HARMFUL  
SKADELIK



GEBRUIKSAANWYSYNGS INGESLUIT

VERWYS NA BESONDERHEDE  
GEDRUK OP HOUFER/SAK

Date formulated:  
Formuleringsdatum:

DIRECTIONS FOR USE ENCLOSED

REFER TO DETAILS PRINTED  
ON CONTAINER/BAG

Batch number:  
Lotonommer:

**UNIRON 500 SC**

Reg. No. L 10227 Act/Wet No. 36 of/van 1947

HRAC HERBICIDE GROUP CODE / HRAC ONKRUIDDODER GROEPKODE: C1

**ACTIVE INGREDIENT / AKTIEWE BESTANDEEL:**

tebuthiuron (urea compound)/ tebutiuron (ureamverbinding) ..... 500 g/l

Registration holder / Registrasiehouer:

**UNIVERSAL CROP PROTECTION (PTY) LTD.**

Co. Reg. No. 1983/008184/07 Mpy. Reg. Nr.

P.O. Box / Posbus 801, KEMPTON PARK, 1620

Tel. (011) 396 2233

**HARMFUL****SKADELIK****WARNINGS**

- Poisonous by swallowing.
- May irritate nose, skin, throat and eyes.
- 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.
- 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 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**

- 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 change of clothing.
- Mixers, loaders, applicators, spray tank cleaners and other handlers must wear long-sleeved shirts and long pants, shoes, socks and protective eyewear.
- **TRIPLE RINSE** empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to a minimum of a third of that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy the empty container by perforation and flattening and dispose of it in a safe way.
- **Never** re-use the empty container for any other purpose.
- 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.

**RESISTANCE WARNING**

**UNIRON 500 SC** is a group code C1 herbicide. Any weed population may contain individuals naturally resistant to **UNIRON 500 SC** and other group code C1 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **UNIRON 500 SC** or any other group code C1 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.

**USE RESTRICTIONS**

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

- **UNIRON 500 SC** is a long residual action herbicide. The degree and duration of control will depend on the dosage rate, rainfall and soil type.
- **UNIRON 500 SC** diluted for use is non-corrosive, non-volatile and non-flammable.
- **UNIRON 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.
- **UNIRON 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 **UNIRON 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 [Acacia] mellifera</i> )  Brandy bush ( <i>Grewia flava</i> )  Buffalo Thorn ( <i>Ziziphus mucronata</i> )  Camphor bush ( <i>Tarchonantus camphorates</i> )  Guava ( <i>Psidium guava</i> )  Mopane** ( <i>Colophospermum mopane</i> ) Sickie bush ( <i>Dichrostachys cinerea</i> )  Silver cluster leaf # ( <i>Terminalia sericea</i> )  Sweet thorn ( <i>Vachellia [Acacia] karroo</i> )  Umbrella thorn ( <i>Vachellia [Acacia] tortilis</i> )  White raisin*** ( <i>Grewia bicolor</i> )	1.5 l in 8.5 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 saligna</i> )  Longleaf wattle ( <i>Acacia longifolia</i> )	1.5 l in 2.25 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.