

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Herbicide



UNIRON 200 GR

Reg. No. L 10222 Act/Wet No. 36 of/van 1947

12/2/2017 – Feb 2017

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

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

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

tebutthiuron (urea compound) **200 g/kg** tebutiuron (ureamverbinding)

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

kg

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: 3077

Willow Set & Print 011 394-4486



CAUTION  
VERSIGTIG



GEBRUIKSAANWYSINGS INGESLUIT

VERWYS NA BESONDERHEDE  
GEDRUK OP HOUER/SAK

Date formulated:  
Formuleringsdatum:

DIRECTIONS FOR USE ENCLOSED  
REFER TO DETAILS PRINTED  
ON CONTAINER/BAG

Batch number:  
Lotnommer:

**UNIRON 200 GR**

Reg. No. L 10222 Act/Wet No. 36 of/van 1947

HRAC HERBICIDE GROUP CODE / HRAC ONKRUIDDODER GROEPKODE: C1

**ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL:**

tebuthiuron (urea compound)/ tebutiuron (ureamverbinding) ..... 200 g/kg

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

**CAUTION / VERSIGTIG****WARNINGS**

- Harmful if swallowed.
- May irritate skin 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.

**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**

- Avoid inhalation of dust.
- Avoid contact with eyes, skin and clothing.
- Wear gloves and face shield when handling granules.
- 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.
- Do not apply **UNIRON 200 GR** to crops, near desirable trees or shrubs, or areas into which their roots may extend, or in areas where the chemical may leach into contact with the roots of desirable plants as this may cause serious injury or death to non-target plants.
- Do not apply **UNIRON 200 GR** under conditions, which will cause movement of granules to non-target areas by due to heavy downpours, wind or gravity.
- 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.

**RESISTANCE WARNING**

**UNIRON 200 GR** is a group code C2 herbicide. Any weed population may contain individuals naturally resistant to **UNIRON 200 GR** and other group code C2 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 200 GR** or any other group code C2 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**

- The residual action of **UNIRON 200 GR** in the treated area may be impaired if fire occurs within 36 months of application.
- **Under conditions of high rainfall, leaching of the product may occur which could result in product loss and reduced efficacy. UNIRON 200 GR 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 200 GR** is a long residual action herbicide and can be applied at any time of the year. The degree and duration of control will depend on the dosage rate, rainfall and soil type.
- **UNIRON 200 GR** 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 200 GR** 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.
- Annual grasses and grass seedlings may be injured by **UNIRON 200 GR**. Perennial grasses may be injured slightly. This injury should normally be temporary in nature and grass production should increase due to elimination of competition from trees and bushes.
- **UNIRON 200 GR** is applied as a management tool to break the grip of bush encroachment to such an extent that the grass can recover and to enable proper veld management. Follow-up treatment, especially on seedlings and regrowth, is essential for the maintenance of vigorous asslands which prevent the e-encroachment of woody plants.
- Increased grass production is dependent on adequate rainfall and an acceptable grazing management programme.
- It is imperative to allow grasses to seed and to allow seedlings to become established after treatment before grazing the treated area.

### **Application instructions**

#### **Hand application:**

- Weigh out the required volume of **UNIRON 200 GR** and distribute evenly under the canopy of the target plant. Apply to the area where feeder roots are located.
- Treat a minimum of 1 m<sup>2</sup> per 2 m plant height.

**APPLICATION RATES****1. Hand application:**

<b>Target Species</b>	<b>Dosage rate (g / tree) for first 2 metres tree height: Apply an additional dosage for each additional 2 metres height.</b>	
	<b>Soil clay: 0 to 20 %</b>	<b>Soil clay: 21 to 35 %</b>
Black thorn ( <i>Senegalia [Acacia] mellifera</i> )	1.5	2.0
Brandy bush ( <i>Grewia flava</i> )	2.0	4.0
Buffalo Thorn ( <i>Ziziphus mucronata</i> )	2.0	4.0
Camphor bush ( <i>Tarchonantus camphorates</i> )	1.5	3.0
Bankrupt bush ( <i>Stoebe vulgaris</i> )	1.5	3.0
Mopane* ( <i>Colophospermum mopane</i> )	2.0	4.0
Sickle bush* ( <i>Dichrostachys cinerea</i> )	3.0	6.0
Silver cluster leaf ( <i>Terminalia sericea</i> )	2.5	-
Sweet thorn ( <i>Vachellia [Acacia] karroo</i> )	1.5	3.0
Umbrella thorn ( <i>Vachellia [Acacia] tortilis</i> )	1.5	3.0
White / Bastard raisin* ( <i>Grewia bicolor</i> )	2.0	4.0

(\* These species will require a follow-up spot treatment)