

Weiveld 200 GG

Reg. No.: L 11607 Act/Wet No. 36 of/van 1947



A soil-applied granular herbicide with long residual action for the control of certain tree and shrub species in pastures and on industrial sites.

ACTIVE INGREDIENT

HRAC HERBICIDE GROUP CODE 5

Tebuthiuron (urea compound) 200 g/kg



WARNING

HAZARD STATEMENTS: Harmful if swallowed | Harmful if inhaled | May cause respiratory irritation | Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS: Obtain special instructions before use | Do not handle until all safety precautions have been read and understood | Wash hands thoroughly after handling | Do not eat, drink or smoke when using this product.

Registration holder: Green Island Investments (Pty) Ltd.

Co. Reg. No.: 2013/043963/07

P.O. Box 1822, Heidelberg 1438, South Africa

Tel: 078 737 9236

24 HR EMERGENCY NUMBERS

Griffon Poison Information Centre: +27 82 446 8946

24 Hr Transport / Spill emergency no:

(Hazcall24) +27 86 044 4411 (Typhoon Plant Protection)

Distributed by: Typhoon Plant Protection (Pty) Ltd.

Co. Reg. No.: 1998/006156/07, C/O Farm Vlakfontein

Corner of the R23 Benoni Road & R550, Nigel Road

Brakpan District, Heidelberg 1438, Gauteng, South Africa

Tel: 078 737 9236

Net Mass/Volume:

kg

Expiry Date:

Batch No:

Date of Manufacture:

U.N. No. 3077

 **Typhoon**
PLANT PROTECTION

READ LABEL IN DETAIL BEFORE OPENING THE CONTAINER. FOR FULL PARTICULARS, SEE ENCLOSED LEAFLET.
KEEP OUT OF REACH OF CHILDREN AND ANIMALS.



WARNINGS:

HAZARD STATEMENTS:

- Harmful if swallowed
 - May be fatal if swallowed and enters airways.
 - Causes skin irritation.
 - Causes serious eye irritation.
 - Harmful if inhaled.
 - May cause respiratory irritation.
 - Very toxic to aquatic life with long lasting effects.
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- Harmful if swallowed.
 - Avoid contact with skin, eyes and clothing.
 - May cause skin and eye irritation.
 - Keep out of reach of children, uninformed persons and animals.
 - **Do not** contaminate areas other than the target area with **WEIVELD 200 GG**.
 - Store away from food and feed.

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 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 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 or registration holder in the event of any uncertainty.

PRECAUTIONS:

PRECAUTIONARY STATEMENTS:

- Obtain special instructions before use.
 - **Do not** handle until all safety precautions have been read and understood.
 - Wash hands thoroughly after handling.
 - **Do not** eat, drink or smoke when using this product.
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- Avoid inhalation of product dust.
 - Wear protective clothing (gloves and face shield) when handling granules and preparing the spray mixture.
 - In case of skin contact, flush affected skin immediately with clean water.
 - **Do not** apply **WEIVELD 200 GG** to crops which may be susceptible, or in close proximity (within 50 m) of desirable vegetation such as trees or shrubs, or to areas into which their roots may extend, or in locations where the chemical may leach into the root zone of such plants, as death or severe injury may follow.

- **Do not** apply **WEIVELD 200 GG** under conditions where pellets may be transported to non-target areas due to heavy downpours, wind or gravity.
- All application equipment must be thoroughly cleaned after use. **Do not** allow residues from cleaning to come into contact with non-target areas.
- Destroy empty containers and **do not** re-use for any other purpose.
- Avoid contaminating water, food, feed, eating utensils, other pesticides, fertilizers or seed with **WEIVELD 200 GG**.
- The residual action of applied **WEIVELD 200 GG** may be impaired if fire occurs within 36 months of application.
- **Do not** apply to soils where susceptible crops may be planted within 5 years.

Related ingredients:

Substance/Mixture: Mixture Ingredients:

Substance name (IUPAC)	CAS –No.	Concentration % By weight
Terbuthiuron	70901-12-1	20%
Kaolin	1332-58-7	>61%

SYMPTOMS OF HUMAN POISONING:

May irritate the eyes and skin.

FIRST AID TREATMENT:

Remove from source of exposure. Wash affected area.

Eye and skin contact: Flush eyes with water for 15 minutes after eye contact.

Wash with soap and water after skin contact.

Should irritation of skin or eyes persist, consult a physician.

Inhalation: Remove to fresh air. Assist breathing if necessary. Get medical attention.

Ingestion: Wash out mouth. Give a spoon of activated charcoal in a glass of water. Get medical attention.

Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN:

Treat symptomatically.

RESISTANCE WARNING:

For resistance management, **WEIVELD 200 GG** is an **HRAC group code 5 herbicide**. Any weed population may contain individuals naturally resistant to **WEIVELD 200 GG** and other **group code 5 herbicides**.

The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly.

These resistant weeds may not be controlled by **WEIVELD 200 GG** or any other **group code 5 herbicide**.

In order to delay herbicide resistance:

- Avoid the exclusive and repeated use of herbicides from the same herbicide group code.
- Alternate or tank mix with products from different herbicide group codes.
- Integrate chemical and other control methods into weed control programs.

Aerial application:

WEVELD 200 GG can be applied aerially provided that the granules distributed over the target area. Keep the loss of spray material to a minimum during application. Adhere to the following to ensure satisfactory results:

Aerial application may only be done by an accredited pest control operator registered in Field (i): Aerial Application (Act No 36 of 1947), using a registered and correctly calibrated aircraft and applying the product in accordance with the South African National Standard 10118: The Aerial Application of Agricultural Remedies (previously: SABS Code of Practice 0118). It is therefore essential that the following criteria shall be met.

Equipment:

- Use suitable equipment that will produce the desired distribution and coverage of the target area and also ensure the minimum loss of product.
- The operator must use a granular applicator that will apply the correct dosage rate.

Application parameters:

- **Do not** apply when the aircraft is in a climb, at the top of a turn or during a dive, or when banking.

Meteorological conditions:

- **Do not** apply under turbulent, unstable conditions or during the heat of the day when rising thermals and downdraughts occur.
- **Do not** apply under temperature inversion conditions, i.e., applying in or above the inversion layer.
- Application of **WEVELD 200 GG** during rainy conditions or when wind speed exceeds 20 km/h is not advised.

General:

- Maintain a minimum flying height of 20 m above the canopy of target plants during application.
- Ensure that fields are accurately marked and that the aerial spray operator knows exactly which areas to treat.
- Obtain an assurance from the aerial spray operator that the above requirements will be met.

DIRECTIONS FOR USE: Use only as directed.

Study all instructions carefully before applying WEVELD 200 GG.

Although **WEVELD 200 GG** is an exceptionally stable formulation, it is best applied just prior to or during the rainy season. Treatments usually become effective only once sufficient rainfall has leached the chemical into the root zone of target plants, from where it is absorbed.

Although **WEVELD 200 GG** is not normally prone to excessive leaching, abnormally high rainfall may influence efficacy due to product loss, particularly on lighter soils and soils with low organic matter content.

Susceptible species normally die within 36 months of treatment, depending on soil texture, species, tree size and effective rainfall. This period is marked by plant foliage repeatedly exhibiting yellowing, defoliation and re-growth, with progressive die-back until death occurs. Due to the relatively slow action of **WEVELD 200 GG**, **do not** apply a follow-up within 24 months of the original treatment.

WEVELD 200 GG may cause localised, but non-permanent injury to established pasture grasses. As the product takes effect on target plants, competition decreases and grass production usually increases accordingly, provided that effective rainfall occurs for the remainder of the season.

Sustainable grass production is dependent on adequate rainfall and a suitable pasture management programme. In this regard **WEIVELD 200 GG** should be seen as a management tool. Used correctly, it can assist with recovery of the grass sward by reducing tree and shrub competition. However, it does not remove the need for proper veld management and follow-up treatments to control seedlings may still be required from time to time in order to maintain a productive pasture and to prevent woody plants from re-establishing. Veld recovery usually takes a number of seasons with annual and pioneer grasses being replaced systematically by more desirable perennial species. Grasses in the treated area should be allowed to seed and become established before normal grazing commences.

APPLICATION RATES

1. Hand application:

- Measure, by means of a suitable device such as a scoop or spoon, the recommended quantity of **WEIVELD 200 GG** and apply near (within 30 cm) the base of the target plant.
- **WEIVELD 200 GG** is recommended for the control of the following species at the rates indicated.
Dosage rates are generally determined, as indicated by the table below, by species, tree size and soil clay content.

SPECIES	COMMON NAME	WEIVELD 200 GG DOSAGE (g / tree up to 2 m high)	
		SOIL CLAY CONTENT	
		0 – 20 %	21 – 35 %
<i>Acacia gerrardii</i>	Red thorn	2,0	4,0
<i>Acacia erubescens</i>	Blue thorn	2,0	4,0
<i>Acacia karoo</i>	Sweet thorn	1,5	3,0
<i>Acacia mellifera</i>	Black thorn	1,5	3,0
<i>Acacia tortilis</i>	Umbrella thorn	1,5	3,0
<i>Acacia luederitzii</i> var. <i>luederitzii</i>	Bastard umbrella thorn	2,0	4,0
<i>Grewia bicolor</i> *	Bastard raisin	2,0	4,0
<i>Grewia flava</i> *	Wild raisin	2,0	4,0
<i>Colophospermum mopane</i> *	Mopane	2,0	4,0
<i>Dichrostachys cinerea</i>	Sickle bush	3,0	6,0
<i>Terminalia sericea</i> **	Silver cluster-leaf	2,5	-
<i>Ziziphus mucronata</i>	Buffalo thorn	2,0	4,0

Note:

- Dosages above only apply to plants of up to 2 metres high. For each additional 2m height, apply an additional dosage as recommended above.
- * Multi-stemmed species may require up to double the number of doses a single stemmed specimen of similar height would require. Alternatively, follow up 24 months after the original application.

** Not recommended for soils containing less than 10 % clay.

- **Do not** apply to soils with an organic matter content exceeding 10 % or to soils containing more than 35 % clay. **Do not** exceed the recommended dosage rates.
- **Do not** re-treat affected plants within 24 months of the original treatment, but seedlings of the listed plants may require a follow-up spot treatment.
- On previously cultivated lands double the dosage recommended in the table above.

Control of *Prosopis* spp.

SPECIES	COMMON NAME	WEIVELD 200 GG DOSAGE	
		Tree size (m)	Dosage (g)
<i>Prosopis</i> spp.	Mesquite	Seedlings <0,5m	2g
		0,5 - 1m	4g
		1 – 1,5m	6g
		1,5 – 2m*	8g

Note:

- * **Do not** use on trees taller than 2m.
- **Do not** use **WEIVELD 200 GG** for control of *Prosopis* spp. on soil containing more than 20% clay.
- On soil with a hard, impenetrable crust, break the top layer mechanically with a suitable instrument and apply **WEIVELD 200 GG** directly into the hole(s) to allow the product to penetrate into the soil when it rains.
- **Do not** re-treat affected plants within 24 months of the original treatment, or while trees are still displaying symptoms associated with the treatment.

Control of wild asparagus (*Asparagus lariginus*)

SPECIES	COMMON NAME	WEIVELD 200 GG DOSAGE In gram / diameter of plant base				
<i>Asparagus lariginus</i>	Mesquite	Diameter up to 0,25m	Diameter 0,25 – 0,5m	Diameter 0,5 – 1,0m	Diameter 1,0 – 1,5m	Diameter >1, 5m
		6g	12g	18g	24g	24g

Note:

- Due to the multi-stemmed nature of wild asparagus, the **WEIVELD 200 GG** dosage is not determined by height, as is the case with trees, but rather by the diameter of the plant base. The wider the plant base, the higher the dosage required and vice versa.
- It is important to apply the dosage evenly within and around the base area in order to treat the entire root zone. Avoid applying the product more than a few centimetres outside the base.
- **Do not** use **WEIVELD 200 GG** on soil containing more than 35% clay. In such cases consideration should be given to a foliar treatment. Consult your supplier in this regard.
- Where wild asparagus occurs next to or under the canopy of other trees, treatment with **WEIVELD 200 GG** may lead to severe damage or death of the non-target species. If selective treatment is required in such cases, consult your supplier for information with regards to the foliar treatment of wild asparagus.
- A follow-up treatment to achieve complete control may be required 24 months after the original treatment.

2. Aerial application:

- The species tabled below may also be treated by means of an aerial application of **WEIVELD 200 GG**.
- Aerial application of **WEIVELD 200 GG** is carried out by means of a fixed wing aircraft fitted with specially designed application equipment. Contact your supplier or the registration holder for relevant information.
- Application rates are determined by species, soil clay content and soil depth, in some cases.

Important:

- Application of **WEIVELD 200 GG** during rainy conditions or when wind speed exceeds 20 km/h, is not advised.
- Maintain a minimum flying height of 20 m above the canopy of target plants during application.
- The swath width is determined by the type of spreader used for application.
- Ensure that the target area is correctly marked out and that markers are clearly visible to the aircraft operator.

SPECIES	COMMON NAME	WEIVELD 200 GG DOSAGE (kg/ha)		
		SOIL CLAY CONTENT		
		3-10 %	11-15 %	16-20 %
<i>Acacia erubescens</i>	Blue thorn	3,0	4,0	5,0
<i>Acacia gerrardii</i>	Red thorn	3,0	4,0	5,0
<i>Acacia karroo</i>	Sweet thorn	3,0	4,0	5,0
<i>Acacia luederizii</i> var. <i>luederizii</i>	Bastard umbrella thorn	3,0	4,0	5,0
* <i>Acacia mellifera</i>	Black thorn	*2,5-3,0	*3,5-4,0	5,0
* <i>Acacia reficiens</i> subsp. <i>Reficiens</i>	False umbrella thorn	*2,5-3,0	*3,5-4,0	5,0
<i>Acacia tortilis</i>	Umbrella thorn	3,0	4,0	5,0
<i>Terminalia sericea</i>	Silver cluster-leaf	3,0	3,5-4,0	5,0
<i>Ziziphus mucronata</i>	Buffalo-thorn	3,0	4,0	5,0

Note:

- * The lower dosage rate is only recommended on soils that are visibly shallow with lime stone or bed-rock showing above soil level.
- Seedlings of the above-mentioned plants may require a maintenance spot treatment from time to time.
- **Do not** apply **WEIVELD 200 GG** aerially if the soil clay content exceeds 20%.