

KEEP OUT OF REACH OF CHILDREN  
BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY

# VIGILANT EXTRA™

Reg No. L 11008, Act No. 36 of 1947

A suspension concentrate systemic and residual herbicide for pre- and post-emergence control of a wide spectrum of annual and perennial broadleaf weeds and grasses in urban areas and other industrial sites.

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'n Suspensiekonsentraat sistemiese onkruidodder met nawerking, vir die voor- en na-opkoms beheer van 'n wye reeks eenjaar- en meerjarige breëblaaronkruidе en grasse in stedelike gebiede asook ander industriële gebiede.

GROUP/GROEP

G + C1

HERBICIDE/ONKRUIDDODER



#### HAZARD STATEMENTS:

Harmful if swallowed.

May cause damage to organs through repeated or prolonged exposure.

Very toxic to aquatic life with long lasting effects.

Causes serious eye damage.

#### PRECAUTIONARY STATEMENTS:

Keep out of reach of children.

Do not inhale the spray mist or fumes.

Avoid eye and skin contact.

#### ACTIVE INGREDIENTS | AKTIEWE BESTANDELE

Glyphosate isopropylamine salt ..... 167 g/ℓ ..... Glifosaat isopropielamiensout (Glisies)

Glyphosate acid ..... 125 g/ℓ ..... Glifosaatsuur

Simazine (Triazine) ..... 175 g/ℓ ..... Simasien (Triasien)

Terbutylazine (Triazine) ..... 157 g/ℓ ..... Terbutielasien (Triasien)

Volume Packaging

20ℓ

Volume Verpakking

**24 HOUR EMERGENCY NUMBER / 24 UUR NOODNUMMER**

Poisons Helpline: 0861 555 777

Manufacturing date / Vervaardigingsdatum:

Batch Number / Lotnommer:

UN No / VN Nr :

**Registered by / Geregistreer deur:**

AGRIVI SOUTH AFRICA (PTY) LTD

7 Louw Street, Kroonstad, 9499

**Registration No. 2005/024417/07**

Tel: +27 83 564 8357

#### DIRECTIONS FOR USE ENCLOSED

Batch number: Refer to details printed

Manufacturing date: Printed on container/bag

#### GEBRUIKSAANWYSINGS INGESLUIT

Lotnommer: Verwys na besonderhede

Vervaardigingsdatum: Gedruk op houër/sak

### **Hazard Statements:**

- Harmful if swallowed.
- May cause damage to organs through repeated exposure.
- Toxic to aquatic life with long lasting effects.
- Causes serious eye damage.

### **DISCLAIMER**

Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be effective under all conditions. The activity and effect thereof may be affected by factors such as abnormal climatic and storage conditions, quality of dilution water, incompatibility with other substances not indicated on the label and the occurrence of resistance of the weed against the remedy, 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 by the user to follow the label instructions, or to the occurrence of conditions which could not have been foreseen in terms of registration. Consult the supplier in the event of any uncertainty.

### **PRECAUTIONS:**

- Keep out of reach of children.
- Do not inhale the spray mist or fumes.
- Avoid eye and skin contact.
- Avoid contact with skin and eyes and do not inhale fumes or spray mist.
- Wear protective clothing when handling the concentrate, preparing the spray mixture and when applying the prepared spray mixture.
- Wash and change protective clothing daily.
- Wash with soap and water after handling and application or after accidental contact with skin.
- In the event of accidental eye contact, flush the eyes immediately with clean running water for at least 15 minutes and seek medical attention if necessary.
- Do not eat, drink or smoke whilst mixing or applying the remedy but wash hands and face thoroughly before doing so.
- Prevent contamination of food, feed, eating utensils and drinking water.
- Do not allow spray to drift onto susceptible crops, grazing, rivers, dams and areas not to be treated.
- Clean all measuring utensils and application equipment thoroughly after use. Dispose of such wash water responsibly to prevent contamination of the environment and water sources. **Container disposal:**
- Invert the empty containers over the spray 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 at least 10% of that container. Add this rinsing water to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy the rinsed empty container by perforating and flattening it.
- Dispose of the empty rinsed container at an approved landfill or preferably in a pesticide incinerator.
- Never re-use the empty container for any other purpose.

## Active Substances

Active Ingredients/Substance	Quantity g/ℓ
Glyphosate	167
Simazine	175
Terbutylazine	175
Xanthan Gum	2.0

### FIRST AID TREATMENT:

**SWALLOWED:** Dilute the poison immediately with large amounts of water or milk and remove by gastric lavage unless the victim is already vomiting.

**EYE:** Wash eyes immediately with large amount of water, occasionally lifting upper and lower lids, until no evidence of chemical remains.

**INHALED:** If inhaled, remove to fresh air and keep at rest. Obtain medical advice if at all worried.

**SKIN:** Wash

contaminated skin and skin and clothes with plenty of water and soap

**ANTIDOTE:** Treat symptomatically.

### RESISTANCE WARNING:

For resistance management, **VIGILANT EXTRA** is a group code G+C1 herbicide. Any weed population may contain individual weeds naturally resistant to **VIGILANT EXTRA** and other group code G+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 **VIGILANT EXTRA** or any other group code G+C1 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 cultural control methods into weed control programs.

For more information on resistance management, contact the registration holder.

### DIRECTIONS FOR USE: Use only as directed

It is a violation of Government Notices R.1716 of July 1991 and R.181 of 7 February 2003 issued in terms of Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act No. 36 of 1947), to use this product in a manner inconsistent with its labeling, or to decant this product into another container.

- **VIGILANT EXTRA** is relatively safe around trees and shrubs, provided that foliage (green shoots and leaves) do not come into contact with the spray. **VIGILANT EXTRA** is therefore particularly useful in urban and other areas where a certain degree of selectivity is essential.
- **VIGILANT EXTRA** can be used on sidewalks and along kerbs, on road shoulders, railway lines, at intersections and crossings, under power lines and security fences and on storage yards.
- Once diluted with water as prescribed, **VIGILANT EXTRA** can be applied by means of suitably calibrated spray equipment such as knapsack sprayers or boom sprayers.
- An evenly applied spray, covering the complete target area, including all weeds as well as any bare ground, is essential.
- Effective agitation of the spray mix, throughout the application process, is essential.
- When mixing, ensure that the concentration of **VIGILANT EXTRA** in the spray mixture is always equal to or higher than 2,5% (12,5 l **VIGILANT EXTRA** per 500 l water = 2,5%).
- Optimum results and effective knock-down can be expected when **VIGILANT EXTRA** is applied during a period when target weeds are growing actively – free of environmental stress factors such as drought, unusual temperature fluctuations or any other factor which may impair weed metabolism.
- Avoid applying **VIGILANT EXTRA** either too early (target weeds not sufficiently developed to ensure adequate absorption) or too late (metabolic processes within mature plants slow down towards the end of the growing season, causing systemic herbicides to become less effective as weeds approach dormancy) in season.
- Do not spray **VIGILANT EXTRA** on weeds that are wet with dew or recent rain. Wait for the target to dry off before application. If weeds are covered by silt residues or dust, delay application till after rain has washed away the offending matter.
- Do not apply **VIGILANT EXTRA** if rain is expected within 6 hours of application.
- During application, taller weeds may act as a canopy by intercepting a large portion of the spray. In such cases, the control of smaller or flat growing weeds may be less than optimal. Mowing weeds and removing the debris before application, is recommended in such cases.
- The soil action of **VIGILANT EXTRA** is affected by rainfall and soil factors such as soil clay, organic matter (OM), or ash content. Rain within 10 to 14 days after application, to leach the product into the soil is known to be high, add additional Simazine or Terbutylazine to the spray mixture prior to application (refer to respective labels for particulars).
- Adding a suitable colourant to the spray mixture can enhance control over the application process.
- For mixing purposes, use only water from a reliable source, free of visible impurities.

- The addition of an ammonium sulphate based additive helps to modify spray water, but adding a volume equal to 2% of the spray volume (2ℓ / 100ℓ water) may enhance results even further.

<b>General:</b>		
<ul style="list-style-type: none"> <li>Use 200 - 600ℓ of water / ha, adapting the volume of water to the situation - dense, tall weeds (bunch grasses, etc.) require larger water volumes to ensure sufficient wetting.</li> </ul> Calibrate the spray equipment accurately prior to application.		
<b>PROBLEM</b>	<b>VIGILANT EXTRA Dosage Rate (ℓ/ha)</b>	<b>COMMENTS</b>
<b>Annual weeds:</b> (broadleaf weeds and grasses)	5 - 10	Apply during a period of active growth when a sufficient amount of foliage to enable proper absorption, has developed. Use higher rate when target weeds are already well established.
<b>Perennial grasses:</b> Kikuyu ( <i>Pennisetum clandestinum</i> ) Love grass ( <i>Eragrostis curvula</i> ) Common Buffalo grass ( <i>Panicum maximum</i> ) Natal red top ( <i>Rhynchelytrum repens</i> )	10 - 15	Apply during a period of active growth when a sufficient amount of foliage to enable proper absorption, has developed. Use higher rate when target weeds are already well established. In some cases, an additional treatment may be needed to provide acceptable control of hardy perennial grasses.
<b>Perennial grasses:</b> Thatch grass ( <i>Hyparrhenia hirta</i> ) Red grass ( <i>Themeda triandra</i> ) Common paspalum ( <i>Paspalum dilatatum</i> )	15 - 20	Depending on the development stage of regrowth, re-treat weeds during the same season or if too late, wait for the following season Before re-treating.
Kweek grass ( <i>Cynodon dactylon</i> )	20 - 25	

PROBLEM	VIGILANT EXTRA Dosage Rate (ℓ/ha)	COMMENTS
Species switch	10 - 15	Hardy perennial grasses like Thatch grass ( <i>H. hirta</i> ), Red grass ( <i>Themeditriandra</i> ), Love grass ( <i>E. curvula</i> ), etc. should be treated with the higher rate. The weeds should be mowed to an average height of 200 - 300 mm. Remove all cuttings and debris before applying <b>VIGILANT EXTRA</b> . Even if <i>C. dactylon</i> comprises 25% or more of the weed population, complete specie substitution (replacement of tall bunch grasses with <i>C. dactylon</i> ) is unlikely to be affected within one growing season and the process must be repeated over several seasons, until the desired effect is achieved.

**Partial list of weeds normally controlled by Vigilant Extra.**

SCIENTIFIC NAME	COMMON NAME
<b>Broadleaf weeds:</b>	
<i>Acanthospermum australe</i>	Eight-seeded prostrate starbur
<i>Acanthospermum glabratum</i>	Five-seeded prostrate starbur
<i>Amaranthus hybridus</i>	Common pigweed
<i>Amaranthus thunbergii</i>	Red pigweed
<i>Anagallis arvensis</i>	Pimpernel
<i>Arctotheca calendula</i>	Cape marigold
<i>Bidens bipinnata</i>	Spanish blackjack
<i>Bidens pilosa</i>	Blackjack
<i>Chenopodium album</i>	White goosefoot
<i>Chenopodium carinatum</i>	Green goosefoot
<i>Commelina benghalensis</i>	Benghal wandering Jew
<i>Conyza sumatrensis</i>	Tall fleabane
<i>Echium lycopsis</i>	Patterson's curse
<i>Erodium moschatum</i>	Musk heron's bill
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Gisekia pharnaceoides</i>	Gisekia
<i>Hibiscus trionum</i>	Bladderweed

SCIENTIFIC NAME	COMMON NAME
<b>Broadleaf weeds:</b> <i>Hypochaeris radicata</i> <i>Ipomoea purpurea</i> <i>Lactuca serriola</i> <i>Medicago polymorpha</i> <i>Nicandra physaloides</i> <i>Oenothera spp.</i> <i>Physalis angulate</i> <i>Picris echioides</i> <i>Plantago lanceolata</i> <i>Portulaca oleracea</i> <i>Raphanus raphanistrum</i> <i>Schkuhria pinnata</i> <i>Senecio consanguineous</i> <i>Sonchus oleraceus</i> <i>Tagetes minuta</i> <i>Triumfetta spp</i> <i>Briza maximus</i> <i>Bromus diandrus</i> <i>Bromus unioloides</i> <i>Cynodon dactylon</i> <i>Digitaria sanguinalis</i> <i>Eleusine indica</i> <i>Eragrostis chloromelas</i> <i>Hyparrhenia hirta</i> <i>Lolium temulentum</i> <i>Panicum maximum</i> <i>Paspalum dilatatum</i> <i>Poa annua</i> <i>Themeda triandra</i>	Hairy wild lettuce Common morning glory Wild lettuce Bur clover Apple of Peru Evening Primrose Wild gooseberry Bristly ox-tongue Narrow-leaved ribwort Purslane Wild radish Dwarf marigold Starvation senecio Sowthistle Khaki weed Klitsbossie Big quaking grass Rippgut brome Rescue grass Couch grass Crab-finger grass Goose grass Blue love grass Thatching grass Rye grass Common buffalo grass Common Paspalum Annual blue grass Redgrass

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Volume Packaging

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Volume Verpakking

**24 HOUR EMERGENCY NUMBER / 24 UUR NOODNUMMER**

Poisons Helpline: 0861 555 777

Manufacturing date / Vervaardigingsdatum:

Batch Number / Lotnommer:

UN No / VN Nr :

**Registered by / Geregistreer deur:**

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#### GEbruiksaanwysings ingesluit

Lotnommer: Verwys na besonderhede

Vervaardigingsdatum: Gedruk op houër/sak