



COMMANDER GR

Reg. No. L11034, Act No. 36 of 1947 | Reg. Nr. L11034, Wet Nr. 36 van 1947

A non-selective granular herbicide for weed control on industrial sites, such as along railway lines, electrical and storage yards, on roadsides and other non-crop areas.

'n Nie-selektiewe korrelonkruidodder vir onkruidbeheer op industriële terreine, soos langs spoorlyne, elektriese en stoorwerwe, langs die paaie en ander gebiede wat nie gewas is nie.

HERBICIDE GROUP CODE C1 ONKRUIDDODERGROEPKODE

ACTIVE INGREDIENT | AKTIEWE BESTANDDEEL:

Bromacil 80g/kg bromasil

Terbuthylazine 120g/kg Terbuthylazine

Warning

Hazard statements:

May be harmful if swallowed
Causes mild skin irritation
Causes serious eye irritation
May cause damage to organs through prolonged or repeated exposure
Very toxic to aquatic life
Harmful to aquatic life with long lasting effects

Precautionary Statements:

Do not breathe
dust/fume/gas/mist/vapours/spray. Wash face,
hands and any exposed skin thoroughly after
handling. Wear protective gloves/protective
clothing/eye protection/face protection.



Manufactured for and registered by/Vervaardig vir en
geregistreer deur:

Sharda International Africa (PTY) LTD

Reg. No./Reg. Nr. 2010/002268/07

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BATCH NO.
LOT NR.

EXPIRY DATE
VERVAL DATUM

NET CONTENTS /
NETTO INHOUD

20 Kg

UN No./VN Nr. 3077

WARNINGS

- Handle with care
- May be harmful if swallowed
- Causes mild skin irritation
- Causes serious eye irritation
- May cause damage to organs through prolonged or repeated exposure
- Very toxic to aquatic life
- Store in a cool place.
- Do not store near food, feed, fertilizer or seed.
- Do not apply COMMANDER GR within the root zone of desirable vegetation, such as ornamental trees or lawns or where it could be washed or leached to within the root zone of such vegetation, as severe damage could be caused.
- Keep out of reach of children.
- Do not contaminate rivers, streams or dams.

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, 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 in the event of any uncertainty.

PRECAUTIONS

- Do not breathe dust/fume/gas/mist/vapours/spray.
- Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid release to the environment.
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If skin irritation occurs: Get medical advice/attention.
- If eye irritation persists: Get medical advice/attention.
- Collect spillage.
- Dispose of contents/container according to local regulations.
- Read the entire label before using the product.
- Do not permit use by untrained persons.
- Do not inhale herbicidal dust and prevent skin and eye contact.
- Do not eat, drink or smoke during application, or before hands and face have been washed.
- Wash with soap and water after use.
- Prevent the contamination of food and eating utensils.
- Do not clean application equipment on or near gardens, lawns or other desirable vegetation.
- Destroy empty container and do not re-use for any other purpose.
- Do not contaminate rivers, streams or dams.
- Keep in original container, tightly closed in a safe place.
- Do not apply to areas designated for future cultivation.

RELEVANT SUBSTANCES:

Component	%
Bromacil	< 10 %
Terbuthylazine	< 15%
Sodium dodecyl sulphate	>10 %
Lignosulfonic acid, sodium salt	>5 %

DIRECTIONS FOR USE: Use only as directed.

Read Entire Label Before Using.

GENERAL

COMMANDER GR is a non-selective herbicide based on two components which complement each other to provide good initial kill plus extended control of a wide range of weeds. It may be:

- Applied to soil or stone chips.
- To growing weeds.
- It may be used in conjunction with a non-residual systemic herbicide such as TUMBLEWEED (Reg. No.: L4781), roundup*, or sting* in order to control resistant weeds and simultaneously achieve extended residual control over the area, providing the recommendations for the use of each product are followed.

Best results will be obtained if **COMMANDER GR** is applied at the beginning of the rainy season when the weeds are young and more susceptible to herbicidal treatment. Higher quantities will be required to control mature weeds.

COMMANDER GR acts via the roots of established plants and weed seedlings. It is necessary for rainfall to leach the herbicide into the soil before its action can take place. Dry conditions after application may result in diminished control. The higher the dosage the longer will be the period of weed control obtained. Heavy rainfall in the latter part of the season may cause diminished control or shallow germinating weed species late in the season. Soil characteristics affect the performance of the herbicide. Soils with a high clay content or with high carbon content resulting from the deposition of coal dust and ash, require higher doses than light soils. Further herbicidal treatments may be required to control weeds which escape the initial treatment under these conditions. Should this occur consult the supplier with a view to a suitable program.

RECOMMENDATIONS

Dosage in kg/ha

SITUATION	Light textured soils 5 - 20% clay	Medium textured soils 21- 35% clay	Heavy textured soils 36 - 45 % clay	Soils containing carbon from coal & ash	Remarks
Annual weeds and areas previously herbicidally treated; bare soil and stone chips.	50-63	63-75	76-88	100-125	Suitable for listed annual weeds up to 10 leaf stage. To control weeds flowering use dosage given for a "mixed weed population". In ash areas develop program incorporating foliar herbicides to control escape species.
Mixed weed population including perennial grasses.	88-113	113-125	126-138	150-163	Apply early in the season prior to tillering of grasses or seeding of broadleaved weeds. For mature stands slash prior to treatment or use a foliar knockdown herbicide
Combination with Sharda Glyphosate 360 SL to broaden the range of weeds controlled. A) First year B) Subsequent years	A 80-90 B 50-63	A 91-100 B 63-75	A 101-110 B 76-88	A 125-150 B 100-125	Apply COMMANDER GR to the weeds to be controlled and immediately follow up with Sharda Glyphosate 360 SL as a foliar spray using 6 – 10 l/ha as 2.5% solution. Consult the Sharda Glyphosate 360 SL label prior to using the product. Consult the list for additional weeds controlled

NOTE: Apply the higher rate where the seasonal rainfall is over 600 mm per year, and for longer residual action. Where *Cynodon dactylon* (common quickgrass) or *Rhynchelytrum repens* (Natal red top) are a problem, use a minimum of 138 kg/ha. In all cases watch for signs of regrowth and retreat or spot treat with a suitable herbicide. Where Sharda Glyphosate 360 SL (pending) are to be used in combination with **COMMANDER GR** in Spring, delay treatment until germination or resistant weeds has occurred. If possible, treatment should be applied prior to the seeding of over-wintering weeds. Rainfall within 6 hours of application may diminish the effect of roundup or sting.

PARTIAL LIST OF WEEDS CONTROLLED BY Orbit GR

Consult "Remarks" under dosage table.

A. POST-EMERGENCE APPLICATION

Botanical Name	Common Name
<i>Amaranthus hybridus</i>	Common pigweed
<i>Datura ferox</i>	Fierce thornapple
<i>Digitaria sanguinalis</i>	Crabfinger grass
<i>Tribulus terrestris</i>	Common dubbeltjie
<i>Portulaca oleracea</i>	Common purselane
<i>Bidens pilosa</i>	Common Blackjack
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Tagetes minuta</i>	Khakiweed
<i>Xanthium strumarium</i>	Common cocklebur
<i>Urochloa panicoides</i>	Garden urochloa