

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Herbicide



CLOZONE 480 EC

Reg. No. L 10671 Act/Wet No. 36 of/van 1947

1: 18/6/2019 – July 2019

*A selective residual pre-emergence, emulsifiable concentrate herbicide for the control of annual grasses and some broadleaf weeds in soybeans and tobacco, grown in the summer rainfall region.*

*'n Selektiewe residuele vooropkoms emulgeerbare konsentraat onkruidoder vir die beheer van eenjarige grasse en sommige breekblaaronkruid in sojabone en tabak wat in die somerreëvalstreek verbou word.*

**ACTIVE INGREDIENT / AKTIEWE BESTANDEEL**

clomazone (isoxazolidinone) **480 g/l** klomason (isoksasolidinon)

HRAC HERBICIDE GROUP CODE **F3** HRAC ONKRUIDDODER GROEPKODE



**villa**

Registration holder / Registrasiehouer:

Villa Crop Protection (Pty) Ltd.

Co. Reg. No. / Mpy. Reg. Nr. 1992/002474/07

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UN Number: 3082

Willow Set & Print 011 394-4486



HARMFUL  
SKADELIK



GERUUKSAANWYINGSINGESLUIT

Date formulated:

Formuleringsdatum:

REFER TO DETAILS PRINTED

ON CONTAINER/BAG

Batch number:

Lotnommer:

DIRECTIONS FOR USE ENCLOSED

VERWYS NA BESONDERHEDE  
GEDRUK OP HOUER/SAK

**CLOZONE 480 EC**

Reg. No. L 10671 Act/Wet No. 36 of/van 1947

HRAC HERBICIDE GROUP CODE / HRAC ONKRUIDDODER GROEPKODE: F3

**ACTIVE INGREDIENT/ AKTIEWE BESTANDDEEL:**

clomazone (isoxazolidinone) / klomasoon (isoksasolidinoon)..... 480 g/l

Registration holder / Registrasiehouer:

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

Co. Reg. No. 1992/002474/07 Mpy. Reg. Nr.

PO Box / Posbus 10413,

ASTON MANOR, 1630, Tel. (011) 396 2233

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

- Handle with care.
- Toxic to fish and other aquatic organisms.
- Store in a cool, dry place under lock and key, away from food, feeds, seed, fertilizers and other agricultural remedies.
- Keep out of reach of children, animals and uninformed persons.
- Re-entry: Do not enter treated area until spray deposit has dried unless wearing protective clothing.
- **In case of poisoning, call a physician and make this label available to him/her.**

**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 pest 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 contact with skin and eyes and do not inhale spray mist.
- Wear full protective clothing, a suitable respirator, rubber gloves and boots when handling the product, preparing the spray mixture and during application.
- Do not eat, drink or smoke whilst mixing, applying the product or before washing hands and face or change of clothing.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams and areas not under treatment or to nearby water sources.
- Thoroughly clean the spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- **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 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.

**SYMPTOMS OF HUMAN POISONING**

Symptoms of overexposure to the active ingredient may include: Loss of motor co-ordination, lacrimation, bloody tears, oral and nasal discharge, bloody nose, irregular breathing, hair loss, salivation and bulging eyes.

**FIRST AID TREATMENT**

- Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. **Immediately consult a doctor.**
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
- **Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Obtain medical attention if irritation persists.
- **Eyes:** Flush eyes with clean water for at least 15 to 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. **Seek medical attention immediately.**
- **Ingestion:** Seek medical attention or call a poison control centre for treatment advice. **DO NOT INDUCE VOMITING** due to the risk of aspiration. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water. **Anticipated acute effects:**

**NOTE TO PHYSICIAN**

**Advice to physician:** Treat symptomatically and supportively. No specific antidote known.

**RESISTANCE WARNING**

**CLOZONE 480 EC** is a group code F3 herbicide. Any weed-specific population may contain individuals naturally resistant to **CLOZONE 480 EC** and other group code F3 herbicide. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **CLOZONE 480 EC** or any other group code F3 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****General:**

- Phytotoxic symptoms may occur because of seedlings not wilting after transplantation.
- Temporary chlorosis of tobacco plants' sand leaves may occur.
- Phytotoxic symptoms may occur on adjacent crops, trees and shrubs as a result of spray drift.
- To prevent spray drift:
  - make use of an appropriate low drift design nozzle to deliver the desired spray volume at the lowest possible spray pressure.
  - Do not spray when the wind speed is more than 15 km/h.
  - Do not mount spray booms too high.
  - Do not apply **CLOZONE 480 EC** within 300 m of non-target crops or neighboring shrubbery.

Monitor temperature, humidity and soil moisture to prevent volatilization.

<b>Waiting Periods for Follow-on crops:</b> (from the last application to planting of follow-on crop).	
Cabbage, Cucurbits, Oats, Onion and Peas	6 months
Maize, Sweetcorn, Wheat and grass lays	9 months

- Deep soil cultivation before planting may reduce the risk of carry-over to the follow-on crop.

**DIRECTIONS FOR USE: Use only as directed.****Compatibility:**

- **CLOZONE 480 EC** is compatible with **Metaforce 500 SC (Metazachlor)**.

**Application Recommendations:**

- **CLOZONE 480 EC** can be applied using any suitable medium to high volume applicator.
- The applicator must be calibrated correctly and should be fitted with an efficient agitation system that can apply the spray mixture evenly over the target area.
- Apply not less than 200 litres spray mixture per hectare to ensure thorough coverage.

**APPLICATION RATES**

Refer to the “WEEDS CONTROLLED” table below, to establish the appropriate application rate.

**1. Pre-emergence control of weeds in Soybeans:**

Refer to the “WEEDS CONTROLLED” table below, to establish the appropriate application rate.

<b>Crop</b>	<b>Clay %</b>	<b>Dosage Rate litres per hectare</b>	<b>Remarks</b>
<b>Soybeans</b>	11 % to 20 %	1.0 to 1.5 ℓ  <b>OR</b>  0.75 ℓ <b>PLUS</b> 0.4 ℓ <b>Metaforce 500 SC</b>	Apply at planting or within three (3) days of planting onto a prepared, fine, even and firm seedbed without excessive plant rests.
	>20 %	1.0 to 2.0 ℓ  <b>OR</b>  1.0 ℓ <b>PLUS</b> 0.5 ℓ <b>Metaforce 500 SC</b>	For increased residual control of grasses and broadleaf weeds, a tank mix of <b>CLOZONE 480 EC</b> plus <b>Metaforce 500 SC</b> is recommended.

**2. Control of weeds in Tobacco after transplanting:**

<b>Crop</b>	<b>Dosage Rate litres per hectare</b>	<b>Remarks</b>
<b>Tobacco</b>	1.5 to 2.5 ℓ	Apply <b>CLOZONE 480 EC</b> immediately after transplanting tobacco seedlings while the plants are still in a wilted condition. Ensure the seedbed is fine, even and firm and without excessive plant residues. Apply as a directed spray and <b>DO NOT</b> apply over tobacco plants.
	1.0 to 1.5 ℓ  <b>FOLLOWED BY</b>  1.0 ℓ <b>Metaforce 500 SC</b>	Apply <b>CLOZONE 480 EC</b> as described above. For increased control, apply <b>Metaforce 500 SC</b> as a follow-up treatment 4 weeks after transplantation of tobacco seedlings, as a directed application on a weed-free seedbed.  Do a shallow cultivation to control weeds that have already germinated before application of <b>Metaforce 500 SC</b> .

Refer to the **Metaforce 500 SC** label for “**WARNINGS, USE RESTRICTIONS** and **RECOMMENDATIONS**”.

<b>WEEDS NORMALLY CONTROLLED BY CLOZONE 480 EC</b>		
<b>Broadleaf weeds:</b>		
<b>Rate per hectare</b>	<b>Biological name</b>	<b>Common name</b>
1.0 ℓ <b>CLOZONE 480 EC</b>	<i>Amaranthus hybridus</i>	Common pigweed
	<i>Eleusine coracana</i>	Goose grass
	<i>Schkurhia pinnata</i>	Dwarf marigold
	<i>Tagetes minuta</i>	Khaki weed
1.5 ℓ <b>CLOZONE 480 EC</b> Above-mentioned weeds plus...	<i>Chenopodium album</i>	White goosefoot
	<i>Digitaria sanguinalis</i>	Crab finger grass
	<i>Echinochloa colona</i>	Marsh grass
	<i>Galinsoga parviflora</i>	Quick weed
	<i>Hibiscus triomum</i>	Bladderweed
	<i>Physalis angulate</i>	Wild gooseberry
2.0 ℓ <b>CLOZONE 480 EC</b> Above-mentioned weeds plus...	<i>Commelina benghalensis</i>	Wandering Jew
	<i>Portulaca oleracea</i>	Common purslane
	<i>Tribulus terrestris</i>	Devil thorn
	<i>Urochloa panicoides</i>	Garden urochloa
	<i>Xanthium strumarium</i>	Cocklebur
1.0 ℓ <b>CLOZONE 480 EC PLUS</b> 0.5 ℓ <b>Metaforce 500 SC</b> Above-mentioned weeds plus...	<i>Cleome monophylla</i>	Spindepod
	<i>Datura ferox</i>	Large thorn apple
	<i>Datura stramonium</i>	Common thorn apple
	<i>Ipomoea purpurea</i>	Morning glory
	<i>Panicum schinzii</i>	Sweet buffalo grass

Consult the **Metaforce 500 SC** label for **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE**.

The following product mentioned in this label may be replaced with an equivalent product:

- **METAFORCE 500 SC** (L 8262) = **SAVIA 500 SC** (L 8240) (**Metazachlor**).

**SAVIA 500 SC** is a registered product of / is 'n geregistreerde produk van  
**UNIVERSAL CROP PROTECTION (PTY) LTD.**

**METAFORCE 500 SC** is a registered product of / is 'n geregistreerde produk van  
**VILLA CROP PROTECTION (PTY) LTD.**