

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Herbicide



PROCARB 800 EC

Reg. No. L 8746 Act/Wet No. 36 of/van 1947

2/2/2012-June2017

An emulsifiable concentrate herbicide for pre- or post-plant soil application to control herbicide resistant annual Ryegrass in wheat and barley.

'n Emulgeerbare konsentraat onkruidodder vir voor- of naplant grondtoediening vir die beheer van onkruidodder weerstandbiedende eenjarige Raaigras in koring en gars.

ACTIVE INGREDIENT / AKTIEWE BESTANDEEL

prosulfocarb (thiocarbamate) **800 g/l** prosulfokarb (tiokarbamaat)

HRAC HERBICIDE GROUP CODE **N** HRAC ONKRUIDODDER GROEPKODE



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

UN Number: 3082



Willow Set & Print 011 394-4486



HARMFUL
SKADELIK



GEBRUIKSAANWYINGS 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:

PROCARB 800 EC

Reg. No. L 8746 Act/Wet No. 36 of/van 1947

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ACTIVE INGREDIENT / AKTIEWE BESTANDEDEEL:

prosulfocarb (thiocarbamate) / prosulfokarb (tiokarbamaat)800 g/l

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

**WARNINGS**

- Allow a minimum of 84 days between application and grazing / feeding.
- Handle with care.
- Harmful when swallowed.
- Causes irritation when in contact with eyes and skin.
- May cause serious damage to eyes.
- May cause irritation to respiratory system.
- Toxic to fish and aquatic life.
- Do not spray over or allow drift to contaminate water bodies such as dams, ponds, rivers, streams or fish hatcheries.
- Store under lock and key in a cool, dry, well-ventilated place, away from food, feeds, seed, fertilizers and other agricultural remedies.
- Keep out of reach of children, uninformed persons and animals.

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 the spray mist and contact with eyes and skin.
- Wear a face shield and rubber gloves when handling and preparing the spray mixture.
- Wash with soap and water after use or accidental eye and skin contact.
- Wash clothing after use.
- Do not eat, drink or smoke whilst applying or mixing or before washing hands and face or change of clothing.
- Prevent spray drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Clean the applicator after use and dispose of wash water where it will not contaminate other crops, 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 minimum of 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 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

Skin and eye irritation. Dry or cracking skin. May cause irritation of the respiratory tract. May cause drowsiness. Solvent in product may cause pulmonary injury.

FIRST AID TREATMENT

- **Inhalation:** Remove the patient immediately from the source of poisoning to a cool, well-ventilated area and keep him/her calm and reassured.
- **Eye contact:** Wash eyes with clean, running water for at least 20 minutes while holding eyelid(s) open. **If irritation persists get medical attention immediately.**
- **Skin contact:** Remove contaminated clothing. Wash contaminated areas with soap and water. **If irritation persists get medical attention immediately.**
- **Ingestion:** Do not induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration. **Do not** apply mouth-to-mouth respiration.
- **Never** give anything by mouth to an unconscious person.
- **Take the patient immediately to the nearest physician and show this label to him/her.**

NOTE TO PHYSICIAN

Product contains an aromatic hydrocarbon organic solvent. No antidote is available, treat symptomatically.

RESISTANCE WARNING

PROCARB 800 EC is a group code N herbicide. Any weed population may contain individuals naturally resistant to **PROCARB 800 EC** and other group code N herbicides. These resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. Resistant weeds may not be controlled by **PROCARB 800 EC** or any other group code N 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 weeds control programmes.

For specific information on resistance management contact the registration holder of this product.

GENERAL INFORMATION

- **PROCARB 800 EC** is specifically aimed at the control of annual Ryegrass (*Lolium* spp.) resistant to the post-emergence grass herbicides (fops and dims) and the sulfonyl urea herbicides in wheat and barley, in the Western and Southern Cape. Control of between 70 and 90 % of annual Ryegrass can be expected if this product is used together with **TRIFLURALIN 480 EC** as instructed.
- **DISGRAN 750 WDG** can be added to the tank mixture for improved control of broadleaf weeds. Refer to “APPLICATION RATES” below.

USE RESTRICTIONS

PROCARB 800 EC applied on its own or in mixture with Trifluralin 480 EC can cause retarded crop emergence, chlorosis (yellowing) or a reduction in crop stand. However, the crop should recover without an adverse effect on yield.

It is of utmost importance that the following “USE RESTRICTIONS” be implemented to reduce risk of damage to the crop:

- **PROCARB 800 EC:**
 - can **only** be applied if planting is performed with an Ausseeder (Ausplow) or a similar planter.
 - **must not** be applied directly onto the wheat/barley seed. Ensure that the seed is covered with a layer of 20 to 30 mm of soil after planting.
- Do not apply on to fields with a risk of stress conditions (e.g. areas prone to water logging, drought or frost, high nematode infestations, etc.).
- **Trifluralin 480 EC** are decomposed by sunlight and therefore the applied product must be covered by soil within 10 minutes after application.
- The planting speed should be 5 to 6 km per hour. Ideally the planter speed must be such that the planter throws soil over the area in between the rows, but not onto the adjacent row, since this can cause damage to crops.
- Soil covered with organic material (e.g. stubble) or other structures (e.g. stones) that intercept spray droplets, will result in sub-optimal control of weeds.

- Where minimum tillage is practiced, stubble should be burned before planting.
- Any weeds that have emerged before planting should be pre-sprayed with **Glyphosate**.
- Climatological conditions: Under the following conditions crop damage or stand reductions may occur:
 - high rainfall and/or
 - cold temperatures.
- Damage may be more pronounced if seeds have been planted too shallow, without an adequate soil layer above the seeds.
- **Waiting periods: TAKE NOTE OF THE WAITING PERIODS TO AVOID INJURY TO FOLLOW-UP CROPS.**
The following waiting periods must be observed following application of **PROCARB 800 EC** and **Disgran 750 WDG**:

Wheat	= 0 months
Canola	= 11 months
Other crops	= 24 months.

DIRECTIONS FOR USE: Use only as directed.

Compatibility:

PROCARB 800 EC is compatible with **Trifluralin 480 EC** and **Disgran 750 WDG**.

Mixing instructions:

- Half fill the mixing tank with clean water and ensure thorough agitation during mixing.
- When tank mixed with **Disgran 750 WDG**, add the **Disgran 750 WDG** first. Ensure that the **Disgran 750 WDG** is completely dispersed before **PROCARB 800 EC** and in the case of pre-plant application **Trifluralin 480 EC** is added to the mixture.
- Spray mixture must be sprayed immediately and not allowed to stand in the spray tank for any length of time, e.g. overnight.

Application instructions:

- Use accurately calibrated equipment with appropriate, correctly spaced nozzles and an efficient agitation mechanism.
- Prepare a fine, even and firm seedbed free of weeds, trash, stones and clods.
- Spray evenly onto the soil surface in at least 200 litres water per hectare.
- Ensure that overlapping of sprays do not happen due to increased risk of crop damage.

APPLICATION RATES

Consult the labels of **Trifluralin 480 EC** and **Disgran 750 WG** for **USE RESTRICTIONS, WARNINGS (including RESISTANCE WARNINGS), PRECAUTIONS** and **DIRECTIONS FOR USE**.

<i>Crop</i>	<i>Application rates l or g / ha</i>	<i>Remarks</i>
Wheat and Barley		
<u>Pre-plant application:</u>		
PROCARB 800 EC	2.0 l	All treatments to be applied pre-plant, pre-emergence.
PLUS	PLUS	
Trifluralin 480 EC	1.5 l	
OR		
PROCARB 800 EC	2.0 l	
PLUS	PLUS	
Trifluralin 480 EC	1.5 l	
PLUS	PLUS	
Disgran 750 WDG	30 g	
<u>Split pre & post plant application:</u>		
Trifluralin 480 EC pre-plant followed post plant* by	1.5 l	Recommended under high Rye grass infestation pressure and for improved control of weeds within the row.
PROCARB 800 EC	2.0 l	
OR		Apply Trifluralin 480 EC pre-plant and follow-up within 3 days after planting with PROCARB 800 EC , pre-emergence of weeds.
Trifluralin 480 EC pre-plant followed post plant* by	1.5 l	
PROCARB 800 EC	2.0 l	Disgran 750 WDG can be added to the post-plant application for improved broadleaf weed control.
PLUS	PLUS	
Disgran 750 WDG	30 g	

* - **NOTE**

Post-plant application (within 2 to 3 days after planting), but still pre-emergence of weeds and crop.

Weeds controlled:

- **PROCARB 800 EC** will control Ryegrass, including ALS/ACCase resistant Ryegrass.
- Wild oats (*Avena* spp.) and Rippgut brome (*Bromus diandrus*) may also be suppressed by application of **PROCARB 800 EC** in combination with **Trifluralin 480 EC**.
- Refer to the labels of **Trifluralin 480 EC** and **Disgran 750 WDG** for a list of weed species controlled by these products.

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

- **DISGRAN 750 WDG** (L 7473) = **TRIASON 75 WDG** (L 7472) = **TRIASULFURON 75 WDG** (L 10038) and

- **TRIFLURALIN 480 EC (L 4555) = RIFLE 480 EC (L 8137).**

TRIFLURALIN 480 EC and/en **TRIASON 75 WDG** are registered products of / is geregistreerde produkte
van
UNIVERSAL CROP PROTECTION (PTY) LTD.

TRIASULFURON 75 WDG is a registered product of / is 'n geregistreerde produk van
CROPASURE (PTY) LTD.

DISGRAN 750 WDG and/en **RIFLE 480 EC** is registered products of / is geregistreerde produkte van
VILLA CROP PROTECTION (PTY) LTD.