

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

SHAKE THE BOTTLE WELL BEFORE USE.

Herbicide



# REEP 480 SC

Reg. No. L 6052 Act/Wet No. 36 of/van 1947

3/20/12/2012-Jan2019

*A suspension concentrate herbicide for the pre-emergence and post-emergence control of annual grasses and certain broad-leaved weeds in maize.*

*'n Suspensie konsentraat onkruidodder vir die vooropkoms- en na-opkoms beheer van eenjarige grasse en sekere breëblaaronkruid in mielies.*

#### ACTIVE INGREDIENTS / AKTIEWE BESTANDELE

metazachlor (chloroacetamide) **60 g/l** metazachloor (chloorasetamied)  
atrazine (triazine) **210 g/l** atrasiën (triasiën)  
terbuthylazine (triazine) **210 g/l** terbutielasiën (triasiën)

HRAC HERBICIDE GROUP CODE / HRAC ONKRUIDDODER GROEPKODE  
(metazachlor) **K3** (metazachloor)  
(atrazine/terbuthylazine) **C1** (atrasien/terbutielasiën)



Registration holder / Registrasiehouer:  
Universal Crop Protection (Pty) Ltd.  
Co. Reg. No. / Mpy. Reg. Nr. 1983/008184/07  
PO Box / Posbus 801, Kempton Park, 1620  
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UN Number: 3082

Willow Set & Print 011 394-4486



HARMFUL  
SKADELIK



GEBRUIKSAANWYSYNGS INGESLUIT

VERWYS NA BESONDERHEDE  
GEDRUK OP HOUER/SAK

Date formulated:  
Formuleringsdatum:

REFER TO DETAILS PRINTED  
ON CONTAINER/BAG

Batch number:  
Lotnommer:

DIRECTIONS FOR USE ENCLOSED

**REEP 480 SC**

Reg. No. L 6052 Act/Wet No. 36 of/van 1947

HRAC HERBICIDE GROUP CODE / HRAC ONKRUIDDODER GROEPKODE: K3

HRAC HERBICIDE GROUP CODE / HRAC ONKRUIDDODER GROEPKODE: C1

**ACTIVE INGREDIENTS / AKTIEWE BESTANDDELE:**

Metazachlor (chloroacetamide/chloorasetamied) .....	60 g/l
atrazine (triazine/triasien) .....	210 g/l
terbuthylazine (triazine/triasien) .....	210 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

**HARMFUL**  **SKADELIK**

**WARNINGS**

- Poisonous when swallowed.
- Store under lock and key in a cool, dry place away from food, feeds, seed, fertilizers and other agricultural remedies.
- Keep out of reach of children, uninformed persons and animals.
- Initial plant damage may occur, especially in cool and wet conditions. This damage will grow out and will normally not affect the yield.
- Mild skin irritant.
- Re-entry: Do not enter treated area within 1 day after treatment unless wearing protective clothing.
- **In case of poisoning call a doctor 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 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**

- Do not inhale fumes or spray mist.
- Wear a face shield and rubber gloves when handling, preparing and applying the spray mixture.
- Wash with soap and water after accidental skin contact and after use.
- Wash contaminated clothing after use.
- This applicator should not be used for applying chemicals other than herbicides.
- Do not spray where roots of desirable plants can absorb the chemical.
- Do not eat, drink or smoke whilst mixing and applying and before washing hands and face and change of clothing.
- Prevent contamination and spray drift onto other crops, grazing, rivers, dams and any other area not under treatment.
- Clean the applicator after use. Do not dispose of wash water where it can contaminate other crops, grazing, rivers or dams.
- Clean the application equipment with a household ammonia solution (1 %), before using with other products. Let the solution stand for several hours, preferably over-night.
- **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 empty container by perforation and flattening.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

### **SYMPTOMS OF HUMAN POISONING**

Acute toxicity to this herbicide is expected to be low and no adverse effects from exposure have been reported. It can be absorbed orally, dermally and by inhalation. Symptoms of poisoning include abdominal pain, diarrhoea and vomiting, eye irritation, irritation of mucous membranes and skin irritations.

### **FIRST AID TREATMENT**

- **Skin contact:** If irritation occurs, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts). Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. If irritation persists, obtain medical assistance.
- **Eye contact:** Immediately flush the contaminated eyes with gently flowing lukewarm water for 20 minutes, holding the eyelid(s) open, until no evidence of chemical remains. Obtain medical attention in serious instances.
- **Ingestion:** Have the person rinse his/her mouth thoroughly with water. Do not induce vomiting. **Obtain medical advice immediately.**
- **Inhalation:** Remove the source of contamination or move the person to fresh air. Keep patient under observation and obtain medical attention if irritation persists.

### **NOTE TO PHYSICIAN**

No signs and symptoms of triazine poisoning are known or expected in humans. No specific antidote is available. Treat symptomatically and supportively when required. When large amounts have been ingested, consider gastric lavage or administer activated charcoal with water.

### **RESISTANCE WARNING**

**REEP 480 SC** is a group code K3/C1 herbicide. Any weed population may contain individuals naturally resistant to **REEP 480 SC** and other group code K3/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 **REEP 480 SC** or any other group code K3/C1 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.

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

**Compatibility:**

**REEP 480 SC** is compatible with **Metazachlor**, **Atrazine** and **Terbutylazine**.

### **Mixing instructions:**

- Shake the **REEP 480 SC** container well before use.
- Half fill the tank with water, and then pour the required amount of **REEP 480 SC** into the spray tank, whilst the water is being agitated, then top up with water to the final volume required.
- Ensure thorough agitation in the tank, whilst mixing and spraying.
- Spray mixtures should be sprayed out immediately and should **not** be allowed to stand in the spray tank.

### **USE RESTRICTIONS**

To avoid damage to follow-up crops the following waiting periods should be taken into consideration:

<b>Crop</b>	<b>Waiting Period</b>
a) Maize and Sugarcane	None
b) Grain sorghum	6 months
c) Sunflowers, Small grain, Feed sorghum, Dry beans, Groundnuts, Soybeans and Potatoes	18 months
d) All other crops (a test planting is recommended)	24 months

**NOTE**

- The above mentioned waiting periods are only valid if the correct dosage rates of **REEP 480 SC**, as recommended for the various soil types, are applied and if normal or above average rainfall occurred during the season in which the **REEP 480 SC** was applied and in the period thereafter.
- The activity of **REEP 480 SC** may last longer as indicated above in cases where it has been applied to soils, which expand when wetted and crack and crumble when drying out, such as turf soils. **REEP 480 SC** should therefore not be used on such soils in cases where sensitive follow-up crops may be planted in the immediate future.
- Do not apply **REEP 480 SC** to poorly drained soils or on soils with a compaction layer, since the product may cause damage to the crops under waterlogged or supersaturated conditions.
- Do not apply **REEP 480 SC** to inbred parent plants of hybrids or to experimental or newly released cultivars, without first consulting the advice of the distributor or manufacturer of **REEP 480 SC** or the seed supplier.
- When **REEP 480 SC** is applied in minimum- or no-till situations, the efficacy thereof could be reduced by the high amount of crop residues on the soil surface. It is recommended to contact the local representative for advice in cases where such applications are considered.

**Cultivar restrictions:**

**REEP 480 SC** is only recommended for use on the following cultivars:

<b>PANNAR</b>	<b>PIONEER</b>	<b>CARNIA / SENSAKO</b>	<b>OTHER</b>
PAN 6000	Phb 33A14	CRN 3505	A 1556
PAN 6740	Phb 32A03	CRN 3549	A 1849
PAN 6611	Phb 3442	CRN 3631	
PAN 6573	Phb 32D99	CRN 3725	DKC 80-10
PAN 6017	Phb 30H22	CRN 3815	DKC 63-20
PAN 6126	Phb 30N35	CRN 3852	DKC 80-12B
PAN 473		CRN 3952	DKC 78-15B
PAN 6043		CRN 4403	
		SNK 2042	
		SNK 2265	
		SNK 2266	
		SNK 2665	

**RECOMMENDATIONS****Applications:**

- **REEP 480 SC** can be applied as an overall spray in a minimum of 200 litres water per hectare or as a band application, with the corresponding amount of water per hectare.
- Any recognised application equipment can be used, as long as the sprayer can be properly calibrated and is equipped with tank agitation.
- Ensure that the spray liquid is uniformly and evenly distributed, by using the correct type of fan type nozzles.
- For optimum results, **REEP 480 SC** treatments should be followed by about 15 mm rain or sprinkler irrigation soon after application and before any weeds have emerged. Flood irrigation is not recommended.

**Pre-emergence:**

- Apply **REEP 480 SC** as soon as possible after planting, but within 3 days after preparation of the seedbed.
- The soil surface should be fine, even and firm and free of weeds. If rainfall or irrigation does not occur in time and weeds begin to emerge and develop, a shallow cultivation must be carried out, to destroy these weeds and to mix the herbicide with the top 10 to 20 mm of soil.

**Post-emergence:**

- **REEP 480 SC** may be applied as an early post-emergence treatment after emergence of the crop and certain broad-leaved weeds, provided that the broad-leaved weeds are not beyond the 4-leaf stage. Grass weeds that have already emerged, will not be controlled by **REEP 480 SC**.
- For long lasting grass control a spray programme of a pre-emergence application or pre-plant incorporated herbicide application, followed by an application with **REEP 480 SC** in the post-emergence stage of the crop, but before the emergence of grass weeds, is recommended as indicated below.

- Where grass weeds have already emerged and/or where broad-leaved weeds are beyond the 4-leaf stage, a shallow cultivation must be carried out to destroy these weeds before application of **REEP 480 SC**.

### APPLICATION TABLES - MAIZE

#### Pre-emergence applications:

% Clay	Dosage rate of REEP 480 SC per ha
0 to 10 % clay	2.5 ℓ
11 to 20 % clay	3.0 ℓ
21 to 30 % clay	3.75 ℓ
31 to 40 % clay	4.5 ℓ
> 40 % clay	5.0 ℓ

#### Post-emergence follow-up applications of REEP 480 SC after an application with a pre-emergence or a pre-plant incorporated herbicide:

% Clay	Dosage rate of REEP 480 SC per ha
0 to 10 % clay	2.5 ℓ
11 to 20 % clay	2.5 to 3.0 ℓ
21 to 30 % clay	3.0 to 3.5 ℓ
31 to 40 % clay	3.5 to 4.0 ℓ
> 40 % clay	4.0 to 4.25 ℓ

#### NOTE

Refer to **Cultivar restrictions** under “**USE RESTRICTIONS**”.

### WEEDS CONTROLLED BY REEP 480 SC:

#### Broad-leaved weeds:

<i>Acanthospermum hispidum</i>	Upright starbur
<i>Amaranthus deflexus</i>	Perennial pigweed
<i>Amaranthus hybridus</i>	Cape pigweed
<i>Amaranthus retroflexus</i>	Pigweed
<i>Bidens pilosa</i>	Common blackjack
<i>Chenopodium album</i>	White goosefoot
<i>Chenopodium carinatum</i>	Green goosefoot
<i>Cleome monophylla</i>	Spindlepod
<i>Commelina benghalensis</i> *	Benghal Commelina *
<i>Cyperus esculentus</i> **	Yellow nutsedge **
<i>Datura stramonium</i>	Large thorn apple
<i>Fimbristylis hispidula</i>	Slender sedge
<i>Hibiscus cannabinus</i>	Kenaf
<i>Hibiscus trionum</i>	Bladder weed
<i>Ipomoea obscura</i>	Wild petunia
<i>Ipomoea purpurea</i>	Common morning glory
<i>Richardia brasiliensis</i>	Tropical Richardia
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Tagetes minuta</i>	Khaki weed
<i>Tribulus terrestris</i> *	Dubbeltjie *

#### Grasses:

<i>Digitaria ciliaris</i>	Tropical finger-grass
<i>Digitaria sanguinalis</i>	Crab finger-grass
<i>Eleusine indica</i>	Goose grass
<i>Eragrostis aspera</i>	Rough lovegrass
<i>Panicum schinzii</i>	Sweet buffalo grass

#### NOTE

\* Only early emerging weeds

\*\* Only in favourable conditions