

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Herbicide



RAMETREX 410 EC

Reg. No. L 10080 Act/Wet No. 36 of/van 1947

1: 6/7/2016-Feb2018

*A selective emulsifiable concentrate herbicide for the post-emergence control of annual broad-leaved weeds as listed in Wheat & Barley.
'n Selektiewe emulgeerbare konsentraat onkruidoder vir die na-opkoms beheer van eenjarige breëblaaronkruid, soos gelys, in Koring & Gars.*

ACTIVE INGREDIENTS / AKTIEWE BESTANDELE

bromoxynil as the octanoate ester (acid equivalent)	145.5 g/l 100 g ael/l	bromoksiniil as die oktanoaat ester (suur ekwivalent)
dicamba as the sodium salt (acid equivalent)	33 g/l 30 g ael/l	dikamba as die natruimsout (suur ekwivalent)
MCPA as the iso-octyl ester (acid equivalent)	436.6 g/l 280 g ael/l	MCPA as die iso-octyl ester (suur ekwivalent)

HRAC HERBICIDE GROUP CODE **C3** HRAC ONKRUIDDODER GROEPKODE
HRAC HERBICIDE GROUP CODE **O** HRAC ONKRUIDDODER GROEPKODE



villa

Registration holder / Registrasiehouer:

Villa Crop Protection (Pty) Ltd.

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

PO Box / Posbus 10413, Aston Manor, 1630

Tel: 011 396 2233

Website / Webblad: www.villacrop.co.za

UN Number: 2902



HARMFUL
SKADELIK

Willow Set & Print 011 394-4486



GEBRUIKSAANWYINGS INGESLUIT

VERWYS NA BESONDERHEDE
GEDRUK OP HOUER/SAK

Date formulated:
Formuleringsdatum:

REFER TO DETAILS PRINTED
ON CONTAINER/BAG

DIRECTIONS FOR USE ENCLOSED

Batch number:
Lotnommer:

RAMETREX 410 EC

Reg. No. L 10080 Act/Wet No. 36 of/van 1947

HRAC HERBICIDE GROUP CODE / HRAC ONKRUIDDODER GROEPKODE: C3/O

ACTIVE INGREDIENTS / AKTIEWE BESTANDELE:bromoxynil as the octanoate ester / bromoksinil as die oktanoaat ester..... 145.5 g/l
(acid equivalent / suur ekwivalent) 100 g ae/ldicamba as the sodium salt / dikamba as die natruimsout 33 g/l
(acid equivalent / suur ekwivalent) 30 g ae/lMCPA as the iso-octyl ester / MCPA as die iso-octyl ester..... 436.6 g/l
(acid equivalent / suur ekwivalent)280 g ae/l

Registration holder / Registrasiehouer:

VILLA CROP PROTECTION (PTY) LTD.

Co. Reg. No. 19992/002474/07 Mpy. Reg. Nr.

P.O. Box / Posbus 10413

ASTON MANOR, 1630 Tel. (011) 396 2233

HARMFUL**SKADELIK****WARNINGS**

- Allow a minimum of 40 days between application and grazing or feeding.
- Handle with care.
- May be harmful if absorbed through the skin or swallowed or inhaled.
- Toxic to fish.
- Store under lock and key in a cool place.
- Store away from food, feeds, seed, fertilizers and other agricultural chemicals.
- Keep out of reach of children, uninformed persons and animals.
- 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, and 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 dust and spray mist.
- Avoid eye and skin contact.
- Wear a face shield and rubber gloves when handling the product and preparing the spray mixture.
- Wash contaminated clothes after use.
- Wash with soap and water after use and after accidental skin contact.
- Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and change of clothing.
- Prevent drift onto other crops, grazing, rivers, dams or areas not under treatment or to nearby water sources.
- Do not use close to fishponds, fish tanks or aquarium.
- Thoroughly clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- Clean applicator with a household ammonia solution (1 %) before using with other herbicides. Let solution stand for several hours, preferably overnight. Rinse at least three times.

- This applicator should not be used for applying chemicals other than herbicides.
- Containers must be completely emptied before being disposed of.
- **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 the volume of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.
- **Do not** re-use the container for any other purpose.
- **Do not burn the empty container.**
- Prevent contamination of food, feed, drinking water and eating utensils.

SYMPTOMS OF HUMAN POISONING

There are no known signs and symptoms of **Bromoxynil** poisoning. Over-exposure to, or swallowing of **MCPA** may cause nausea, vomiting, excessive sweating, headaches, muscle soreness, abdominal pain and loss of coordination. May cause burns of mouth, throat and oesophagus.

FIRST AID TREATMENT

- **Inhalation:** Remove victim immediately from the source of contamination to fresh air. Keep person calm and at rest. If breathing has stopped, perform artificial respiration and administer oxygen. Only qualified medical personnel should administer oxygen. Treat symptomatically and supportively as and when required. **Obtain medical advice if necessary.**
- **Skin contact:** Remove contaminated clothing, shoes and leather goods (e.g. leather belts and watch bands). Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. **Seek medical attention if necessary.**
- **Eye contact:** Immediately flush the eyes with gently flowing lukewarm water or saline solution for at least 20 minutes, holding the eyelid(s) open. Take care that rinse water does not get into unaffected eye or parts of face. **If irritation persists, obtain medical attention.**
- **Ingestion:** **Do not** induce vomiting. Have victim rinse mouth thoroughly with water and give water to drink. Remove chemical by gastric lavage and catharsis and give oxygen if respiration is depressed. Do not perform gastric lavage if patient is unconscious. Qualified medical personnel should perform administration of gastric lavage or oxygen. **Seek medical advice immediately.**

ADVICE TO PHYSICIAN

This product contains a phenoxy herbicide. There is no antidote available. Treat symptomatically and supportively. Gastric lavage with activated charcoal is advised.

RESISTANCE WARNING

RAMETREX 410 EC is a group codes C3 and O herbicide. Any weed population may contain individuals naturally resistant to **RAMETREX 410 EC** and other group codes C3 or O herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **RAMETREX 410 EC** or any other group codes C3 or O herbicide.

To delay herbicide resistance:

- avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate 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

- **DO NOT APPLY RAMETREX 410 EC AERIALY.**
- **RAMETREX 410 EC** application to wheat must be between growth stages 7 and 13 according to the list of growth stages issued by the ARC-Small Grain Centre, Bethlehem. Barley should be sprayed when the crop is in the 5- to 6-leaf stage.
- Do not use **RAMETREX 410 EC** at full strength in combination with surfactants as this may cause serious crop damage.
- Do not apply **RAMETREX 410 EC** to weeds under drought or nutrient stress conditions.
- Weeds that have not germinated at the time of application will not be controlled.
- Do not apply when rain is expected within the following 12 hours.
- Irrigation should be withheld for 48 hours after **RAMETREX 410 EC** application.

- Weeds that are shaded off by other weeds or the crop may not be controlled, due to insufficient coverage. This aspect must be considered in the timing of application.

DIRECTIONS FOR USE: Use only as directed.

Compatibility:

- The compatibility of **RAMETREX 410 EC** with other products has not been tested.

Mixing instructions:

- Half fill the spray tank with clean water and ensure agitation.
- Pour the required amount of **RAMETREX 410 EC** into the spray tank while agitation is maintained.
- Fill the tank with water to the final required volume.
- Ensure thorough agitation of the mixture in the tank during mixing and spraying.
- The spray mixture must be sprayed out immediately and not allowed to stand in the spray tank.

Application instructions:

- Apply **RAMETREX 410 EC** only to young, actively growing weeds, i.e. weeds growing in moist soil. Thorough coverage of all parts of the weeds by the herbicide spray (particularly the growing points in the leaf axils) is essential to ensure effective control.

Ground Application:

- Apply **RAMETREX 410 EC** using any calibrated high or medium volume sprayer, which is in good working order and equipped with an efficient agitation mechanism. Ensure that the sprayer will provide adequate coverage and even distribution.
- Apply a medium droplet spray, spraying at a medium pressure of at least 200 kPa.
- Do not apply under high pressure.**
- Use at least 350 litres per hectare of spray mixture to ensure thorough coverage of the weeds.

APPLICATION RATES

Important: Refer to **USE RESTRICTIONS**” above and **“IMPORTANT NOTES”** below.

Table 1. Application rate of **RAMETREX 410 EC** for the post-emergence control of annual broad-leaved weeds in wheat and barley.

Dosage rate: 1.4 l / ha	
Broad-leaved weed species controlled	
<i>Arctotheca calendula</i>	Cape marigold
<i>Chenopodium album</i>	White goosefoot
<i>Emex australis</i> *	Spiny Emex
<i>Fumaria officinalis</i> *	Fumitory
<i>Galium aparine</i>	Cleavers
<i>Medicago spp</i>	Clover
<i>Pentzia grandiflora</i>	Large stinkweed
<i>Polygonum aviculare</i> *	Prostrate knotweed
<i>Pseudo-gnaphalium luteo-album</i>	Jersey cudweed
<i>Raphanus raphanistrum</i>	Wild radish
<i>Veronica persica</i> *	Field speedwell

* - Cotyledon to 3-leaf stage only.

IMPORTANT NOTES

- Apply **RAMETREX 410 EC** in the cotyledon – 3 leaf stage to control *Emex australis*, *F. officinalis* *Polygonum aviculare* and *V. persica* and not later than the 6 leaf stage for the other weeds.
- Application of **RAMETREX 410 EC** when the weeds are older than as specified, will result in poor weed control.
- Avoid application when the weeds are covered with heavy dew or when the wind is blowing strongly.
- Ensure thorough coverage of weeds.
- Poor weed control may result if **RAMETREX 410 EC** is applied when the weeds are under moisture or other stress. Apply only during favourable climatic conditions when the weeds are actively growing.
- Under certain climatic conditions **RAMETREX 410 EC** may cause some leaf scorch to grain crops. However, yields will not be affected.