

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Herbicide



RAMETREX 410 EC

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

3 : 9/9/2020-Sept2020

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

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

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Website / Webblad: www.villacrop.co.za

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

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

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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****Withholding period:**

Minimum time between the last application and harvest or feeding:	
Wheat & Barley	40 days

- Handle with care.
- Harmful if swallowed.
- May be harmful if absorbed through the skin or inhaled.
- Causes mild skin irritation.
- Causes eye irritation.
- Suspected of damaging fertility or the unborn child.
- Very toxic to aquatic life with long lasting effects.
- 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 two (2) days 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 THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three (3) times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler (www.croplife.co.za). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
- When applying **RAMETREX 410 EC** in a tank mixture with **Alliante 600 WDG**, please consult the **Alliante 600 WDG** label for “**Cleaning of Application Equipment**” instructions.
- **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 person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
- **Skin contact:** 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.
- **Eye contact:** Flush eyes immediately with large amounts of gently flowing cold water or normal saline solution, occasionally lifting upper and lower lids, until no evidence of chemical remains (approximately 15 to 20 minutes). If present, remove contact lenses after 5 minutes and continue rinsing. **Seek medical attention.**
- **Ingestion:** **Do not induce vomiting, due to the aromatic solvent. Seek medical advice immediately.** Never give anything by mouth to an unconscious person.

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• **Re-cropping intervals:**

Wheat	1 month
Barley & Oats	6 months
Any other crop	10 months, preceded by a test planting

(* pre-plant interval = time period between the last application of **RAMETREX 410 EC** and the anticipated date of planting of a follow-up crop).

Notes on re-cropping intervals:

- It is not recommended to use **RAMETREX 410 EC** on soils with a pH (KCl) of 6.5 or higher, and/or on soils containing free lime. The residual effect of **RAMETREX 410 EC** can be extended, adversely affecting crop rotation strategies beyond normally indicated intervals.
- The above-mentioned re-cropping waiting periods also depend on normal or above average rainfall during, and following, the growing season when the application was performed. Low concentrations of **RAMETREX 410 EC** in the soil may cause injury to crops, other than wheat, oats or barley. Therefore, careful planning should take place regarding crop rotation, prior to the application of **RAMETREX 410 EC**.

• **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** solo or in a tank mixture with **Alliante 600 WDG** 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.
- Erratic control/re-growth of weeds may occur if one or more of the following conditions exist:
 - Light sandy acid soils that tend to leach or become waterlogged. *
 - Excessive stones covering the soil surface. *
 - Should application be performed later than 6 weeks after planting in the Western, Southern and Eastern Cape.
 - A low plant density.

(* Under these conditions application of the herbicide should take place not later than two (2) weeks post-emergence of the weeds).

- When applying **RAMETREX 410 EC** in a tank mixture with **Alliante 600 WDG**, please consult the **Alliante 600 WDG** label for other “**USE RESTRICTIONS**”.

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</i> spp.	Clover
<i>Oncosiphon grandiflorum</i> = <i>Pentzia grandiflora</i>	Large stinkweed
<i>Polygonum aviculare</i> *	Prostrate knotweed
<i>Laphangium luteoalbum</i> = <i>Pseudognaphalium luteoalbum</i>	Jersey cudweed
<i>Raphanus raphanistrum</i>	Wild radish
<i>Veronica persica</i> *	Field speedwell

* - Cotyledon to 3-leaf stage only.

IMPORTANT NOTES

1. 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.
2. Application of **RAMETREX 410 EC** when the weeds are older than as specified, will result in poor weed control.
3. Avoid application when the weeds are covered with heavy dew or when the wind is blowing strongly.
4. Ensure thorough coverage of weeds.
5. 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.
6. Under certain climatic conditions **RAMETREX 410 EC** may cause some leaf scorch to grain crops. However, yields will not be affected.

Table 2. Application rate of **RAMETREX 410 EC** plus **Alliante 600 WDG** for the post-emergence control of weeds in wheat and barley.

RAMETREX 410 EC 1.4 l/ha	PLUS Alliante 600 WDG 4.0 g/ha	PLUS Interlock® 250 ml/ha
WEEDS CONTROLLED		
Botanical name	Common name	
<i>Arctotheca calendula</i>	Cape marigold	
<i>Cotula turbinata</i>	Goose daisy	
<i>Erodium moschatum</i>	Musk heron` s bill	
<i>Malva parviflora</i>	Small mallow	
<i>Oncosiphon grandiflorum</i> = <i>Pentzia grandiflora</i>	Large stinkweed	
<i>Raphanus raphanistrum</i> *	Wild radish	
<i>Senecio consanguineus</i>	Ragwort	
<i>Sonchus oleraceus</i>	Sow-thistle	
<i>Cenia turbinata</i>	Goose daisy (Gansogie)	
* Suppression of <i>Raphanus raphanistrum</i> (Wild radish) was observed, but more constant control may be expected if the application is made before the true 5 leaf stage.		

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

- **ALTERATE 600 WDG** (L 9915) = **ALLIANTE 600 WDG** (L 9917) (**Metsulfuron-methyl**).

ALLIANTE 600 WDG is a registered product of / is geregistreerde produkte van
VILLA CROP PROTECTION (PTY) LTD.

ALTERATE 600 WDG is a registered product of / is geregistreerde produkte van
UNIVERSAL CROP PROTECTION (PTY) LTD.

INTERLOCK® is a registered trademark / is 'n geregistreerde handelsmerk van
WINFIELD SOLUTIONS REGISTRATION HOLDINGS (PTY) LTD.