

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Herbicide



# ASSEMBLY 160 ME

Reg. No. L 10593 Act/Wet No. 36 of/van 1947  
N-AR 2042

1: 13/3/2019 - Sept2019

*A systemic micro-emulsion herbicide for control of woody plants as listed, in grazing and conservation areas as well as areas that are not used for crop production.*

*'n Sistemiese mikro-emulsie onkruiddoder vir die beheer van houtagtige plante, soos gelys, in weiding en bewaringsgebiede asook areas wat nie vir gewasproduksie gebruik word nie.*

## ACTIVE INGREDIENT / AKTIEWE BESTANDEEL

picloram (pyridine carboxylic acid) as tri-isopropanolamine salt	.....80 g/ℓ
pikloram (piridien karboksiesuur) as tri-isopropanolamiensout	
fluroxypyr (pyridine compound) as methyl heptyl ester	.....80 g/ℓ
fluroksipir (piridienverbinding) as metiel-heptielester	

HRAC HERBICIDE GROUP CODE **O** HRAC ONKRUIDDODER GROEPCODE



**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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UN Number: 1993

Willow Set & Print 011 394-4486

GERBUKSAANWYSYNGS 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:



CAUTION  
VERSIGTIG



**ASSEMBLY 160 ME**

Reg. No. L 10593/ N-AR 2042 Act/Wet No. 36 of/van 1947

HRAC HERBICIDE GROUP CODE / IRAC ONKRUIDDODER GROEPKODE: O

**ACTIVE INGREDIENT/ AKTIEWE BESTANDDEEL:**

picloram (pyridine carboxylic acid) as tri-isopropanolamine salt / pikloram (piridien karboksielsuur) as tri-isopropanolamiensout..... 80 g/l  
 fluroxypyr (pyridineCompound) as methyl heptyl ester / fluroksipir (piridienverbinding) as metiel-heptielester..... 80 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

**CAUTION / VERSIGTIG****WARNINGS**

- **Grazing restrictions:**
  - Animals intended for meat that are grazing up to two weeks after treatment should be removed from treated area three days prior to slaughter.
  - Do not graze lactating dairy animals on the treated area within two weeks after treatment.
- **Grazing poisonous plants:**
  - Herbicide application may increase palatability of certain poisonous plants. Do not graze treated areas until poisonous plants are dry and no longer palatable to livestock.
- Handle with care.
- Flammable liquid and vapour.
- Harmful if swallowed.
- Avoid contact with eyes; product may cause severe eye irritation.
- Avoid contact with skin as this may cause irritation.
- Toxic to aquatic life with long lasting effects.
- Store in a cool, dry place under lock and key, away from food, feed, 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 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 the event of any uncertainty.**

**PRECAUTIONS**

- Do not handle until all safety precautions have been read and understood. Suspected of causing cancer by repeated inhalation over prolonged periods of exposure.
- Avoid contact with skin and eyes and do not inhale spray mist.
- Wear protective clothing (overall, face shield and rubber gloves) when handling the concentrate and preparing the spray mixture. Wear rubber gloves, overall and boots when applying the prepared spray mixture. Wash protective clothing daily.
- Do not eat, drink or smoke while applying, mixing or before washing hands and face or change of clothing.
- Do not contaminate eating utensils, food, feeds, feeds, drinking water or any other water sources.
- In case of accidental eye contact, flush eyes immediately with clean water for at least 15 to 20 minutes.
- In case of accidental skin contact, immediately wash thoroughly with non-abrasive soap and water. Contaminated clothing should be removed and washed before being used again.
- Do not use contaminated plants, grass, etc. as compost.
- Excretion of animals grazing in the treated area should not be used as fertilizer.

- Clean 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 empty container by perforation and flattening and dispose of in accordance with local regulations.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

### **RESISTANCE WARNING**

**ASSEMBLY 160 ME** is a group code O herbicide. Any weed population may contain individuals naturally resistant to **ASSEMBLY 160 ME** and other group code 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 **ASSEMBLY 160 ME** or any other group code O 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**

**IN ORDER TO PREVENT IMMEDIATE OR FUTURE INJURY TO PLANTS OR CROPS IN NEARBY AREAS, IT IS IMPERATIVE TO APPLY THE PRODUCT STRICTLY IN ACCORDANCE WITH THE USE RESTRICTIONS AND APPLICATION DIRECTIONS LISTED BELOW:**

- It is a violation of Government Notice R. 1716 of 26 July 1991 and R. 181 of 7 February 2003 issued in terms of the Fertilizers, Farm Feeds, Agriculture Remedies and Stock Remedies Act 36, 1947 (Act 36 of 1947), to use this product in any way not instructed with its labelling.
- **Prevent drift of spray mist** coming into contact with sensitive non target broadleaf crops (such as, but not limited to, lucerne and other legume fodder crops, various bean type crops, cucurbit crops, potatoes, sunflower, tobacco, tomatoes, cotton, fruit trees, grape vines, ornamentals), or soil containing roots of these plants, soil in which such plants are to be grown, grain crops in a susceptible stage of growth or grazing or any other area not under treatment.
- **Do not contaminate water intended for irrigation or domestic purposes.** To avoid injury to crops or other non-target plants, do not spray directly over, or allow spray drift, or spray run-off to reach banks or bottoms of irrigation ditches, canals, streams, dams, rivers (whether dry or containing water) that may be used for irrigation or domestic purposes or may transport water to an irrigation facility.
- Do not apply when conditions present a risk of off-site movement from treated area.
- Do not use on flood irrigated land or fields.
- Do not apply to areas that are to be rotated with any broadleaf crop or ornamental plants.
- **Do not use manure** from animals grazing treated areas, **or grass or sprayed plants** as compost for growing broadleaf crops, ornamentals, orchards or other susceptible crops. Such manure may contain enough herbicide residues to cause injury to susceptible plants.
- **Do not transfer livestock** from treated grazing areas (or after feeding livestock treated grass) onto sensitive broadleaf crop areas without first allowing 7 days of grazing on an untreated grass pasture. Otherwise, urine and manure may contain enough herbicide to cause injury to sensitive broadleaf plants.
- **Do not move treated soil** to areas other than sites for which **ASSEMBLY 160 ME** is registered for use.
- **Do not apply to land NEAR to desirable broadleaf plants**, or land onto which such plants are to be grown or where grain varieties are in a susceptible stage of growth. **ASSEMBLY 160 ME** may, however, be applied in such circumstances **provided that sufficient precautionary measures are taken to avoid any type of contamination of such an area.**

### **GENERAL INFORMATION**

- It takes a long period for target plants to die off completely (certain woody species may take several months to die-off completely). Depending on conditions and type of target species, some plants may re-grow which will require follow-up treatments.

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

- When **ASSEMBLY 160 ME** is used in conjunction with any other agricultural remedy, all **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on that label, must be adhered to.
- **ASSEMBLY 160 ME** is compatible with **Summit Super**.

**Mixing instructions:**

- Mix **ASSEMBLY 160 ME** with water and add **Summit Super** according to instructions for the different target species. Once the spray mixture has been well mixed, maintain agitation throughout application.
- Do not prepare more mixture than will be used immediately.

**Time of application:**

- Apply only on actively growing plants with full foliar cover, that is, after leaves have fully developed.
- Apply when soil moisture is most favourable for plant growth.
- Do not apply to plants suffering from stress conditions such as drought, frost, water flooding, etc.

**APPLICATION INSTRUCTIONS**

**Important: Refer to USE RESTRICTIONS above.**

**1) Foliar application (only on actively, vigorously growing plants with full leaf cover):**

- Apply as a full cover spray to foliage and stems (but prevent run-off onto the soil).
- Allow foliage wet from rain or dew etc. to dry off before application.
- Prevent spray drift onto non-target plants by avoiding fine droplet size. Apply with a knapsack sprayer with a solid cone nozzle (e.g. Spraying systems TG-1 or equivalent type) that will ensure an even coverage of the target area. Maintain a constant pressure of between 2.0 to 2.5 Bar. Spray from a distance of approximately 50 cm from the target to obtain best coverage.
- Do not apply if rain is expected within three (3) hours. Rain three (3) hours after application will not affect efficacy once the spray has dried on the target plants.

**2) Cut stump application:**

- Apply immediately after felling. If not immediately possible, application must definitely be done within three (3) hours after felling.
- Do not apply **ASSEMBLY 160 ME** if the stump surface is wet from rain or dew.
- Apply as a coarse spray at low pressure ( $\pm 1.0$  bar) using solid cone nozzle tips (e.g. Spraying Systems TG-1 or equivalent type).
- Apply within 20 cm above target in wind conditions below 15 km per hour wind speed.
- Apply according to directions in the table below.

**Important note - regrowth:**

If regrowth occurs from the crown even in the case where top-kill is obtained, apply a foliar treatment with a registered herbicide registered against the relevant species.

**APPLICATION RATES****IMPORTANT:**

- For all application methods - add the adjuvant **Summit Super** at a rate of 500 (or 50) ml per 100 (or 10) litres spray mixture respectively (0.5 % mixture).
- Refer to “**DIRECTIONS FOR USE**” above.

**A. FOLIAR APPLICATION**

<i>Target species</i>	<i>Dosage rate per 100 l water</i>	<i>Remarks</i>
Black wattle) ( <i>Acacia mearnsii</i> )	125 ml (0.125 % mixture)	<p><b>Refer to “DIRECTIONS FOR USE” above.</b></p> <p>Apply until the point of run-off to actively growing plants. Plants that are too high for a good cover spray should be slashed and the regrowth sprayed once a height of 0.5 m is reached. In the event of any regrowth after application, a follow-up application should be made.</p>
Port Jackson) ( <i>Acacia saligna</i> )	500 ml (0.5 % mixture)	
Madeira vine ( <i>Anredera baselloides</i> )	500 ml (0.5 % mixture)	
Shrubby milkbush ( <i>Asclepias fruticosa</i> )	750 ml (0,75 % mixture)	
Pom pom weed ( <i>Campuloclinium macrocephalum</i> )	375 ml (0.37 % mixture)	
Triffid weed ( <i>Chromolaena odorata</i> )	750 ml (0.75 % mixture)	
Lantana ( <i>Lantana camara</i> )	1.5 l (1.5 % mixture)	
Guava ( <i>Psidium guajava</i> )	1,5 ml (1.5 % mixture)	
Bugweed ( <i>Solanum mauritianum</i> )	250 ml (0.25 % mixture)	

**B. CUT STUMP APPLICATION**

<i>Target species</i>	<i>Dosage rate per 100 l water</i>	<i>Remarks</i>
Black wattle) ( <i>Acacia mearnsii</i> )	2.0 l (2.0 % mixture)	<p><b>Refer to “DIRECTIONS FOR USE” above.</b></p> <p>Apply to low cut stumps (10 to 20 cm high) which preferably have a single cut surface. Apply to complete cut surface and rootcrown of stumps with a diameter of less than 10 cm. Where multiple stumps are present, all cut surfaces must be treated.</p> <p>For bigger stumps, apply to the cambial region (sapwood) of the cut surface and rootcrown. In all cases, apply until the point of run-off. In the event of some regrowth and depending on the species, a follow-up spray with <b>ASSEMBLY 160 ME</b> as a coppice application may be required.</p>
Black wood ( <i>Acacia melanoxylon</i> )	2.0 l (2.0 % mixture)	
Port Jackson) ( <i>Acacia saligna</i> )	2.0 l (2.0 % mixture)	
Triffid weed ( <i>Chromolaena odorata</i> )	750 ml (0.75 % mixture)	
Saligna gum ( <i>Eucalyptus grandis</i> )	3.0 l (3.0 % mixture)	
Black Ironbark ( <i>Eucalyptus sideroxylon</i> )	4.5 l (4.5 % mixture)	
Sugar gum ( <i>Eucalyptus cladocalyx</i> )	4.5 l (4.5% mixture)	
Syringa ( <i>Melia azedarch</i> )	1.5 l (1.5 % mixture)	
Castor oil ( <i>Ricinus communis</i> )	1.0 l (1.0 % mixture)	

**NOTE**

**ASSEMBLY 160 ME** controls woody tree and shrub species. Other species that were not present during development trials of this product might also be controlled. However, the registration holder does not accept responsibility for the presence or absence of control of unlisted tree and shrub species, or if the product was applied by means of, application other than those instructed in this label.

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

- **SUMMIT SUPER** (L 8539) = **BENEFIT PLUS** (L 8538).

**SUMMIT SUPER** and/en **BENEFIT PLUS** are registered products of / is geregisteerde produkte van  
**VILLA CROP PROTECTION (PTY) LTD.**