

READ THE LABEL BEFORE USE. KEEP OUT OF REACH OF CHILDREN AND ANIMALS. SHAKE THE BOTTLE WELL BEFORE USE

RESTRICTED USE AGRICULTURAL REMEDY

THIS REMEDY IS RESTRICTED DUE TO ACUTE TOXICITY. THIS REMEDY MAY ONLY BE SOLD TO AND USED BY A REGISTERED PEST CONTROL OPERATOR, OR BY SOMEONE UNDER THE SUPERVISION OF A REGISTERED PEST CONTROL OPERATOR, AND ONLY FOR THOSE USES COVERED BY THE PEST CONTROL OPERATOR'S SCOPE OF REGISTRATION, AND ONLY AS DIRECTED ON THIS LABEL.

Herbicide



ADEQUATE 240 SL

Reg. No. L 10138 Act No. 36 of 1947
N-AR 1893 / W 1301117

4: 21/11/2024 – Nov2024

A water soluble, systemic herbicide with residual activity for control of woody plants, as listed, in grazing and conservation areas plus areas that are not used for crop production.

ACTIVE INGREDIENT

picloram (pyridine carboxylic acid) 240 g/l
as potassium salt

GROUP

4

HERBICIDE



DANGER



Hazard Statements:

Fatal if inhaled.

Precautionary Statements:

Do not breathe dust, fume, gas, mist, vapours or spray.

Use only outdoors or in a well-ventilated area. In case of inadequate ventilation wear respiratory protection.

DIRECTIONS FOR USE ENCLOSED

Batch Number: Expiry Date:

Date of Manufacture:



villa



UN Number: 2902

Registration holder: VILLA CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1992/002474/07

65 Botes Road, Glen Marais, Kempton Park, 1619

Tel. (011) 396 2233

Website: www.villacrop.co.za

IN CASE OF POISONING / 24 HR EMERGENCY NUMBERS:

Griffon Poison Information Centre (National) : +27 82 446 8946

Poison Information Helpline (National): +27 861 555 777

24 Hr Transport / Spill emergency no: (Hazcall24) +27 86 044 4411

(Client: Villa Crop Protection)

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HRAC HERBICIDE GROUP CODE: 4

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WARNINGS**Hazard Statements:**

Fatal if inhaled

- Handle with care.
- Poisonous by swallowing.
- Highly toxic to aquatic organisms
- Avoid contact with eyes, product may cause severe eye irritation.
- Avoid contact with skin as this may cause sensitization.
- 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, immediately call a doctor and make this label available to him/her or transfer the patient to a hospital.**

Grazing restrictions:

- Animals grazing in fields treated with **ADEQUATE 240 SL** should be removed from these fields at least two (2) weeks prior to intended slaughter.
- Lactating dairy animals should not graze areas within two (2) weeks after treatment with **ADEQUATE 240 SL**.
- Applying **ADEQUATE 240 SL** may increase palatability of certain poisonous plants. Do not graze treated areas until poisonous plants are dry and no longer palatable to livestock.

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**Precautionary statements:**

Do not breathe dust, fume, gas, mist, vapours or spray.
Use only outdoors or in a well-ventilated area.
In case of inadequate ventilation wear respiratory protection.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of content/container in accordance with local regulations

- 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, drinking water or any other water sources.
- In case of accidental eye contact, flush eyes immediately with clean water for at least 15 minutes.
- In case of accidental skin contact, immediately wash thoroughly with 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 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.
- Prevent contamination of food, feeds, drinking water and eating utensils.

Relevant hazardous components	
Picloram (acid)	240 g/l
Ethylene glycol	<5%

NOTE: The ingredients listed above contribute to the overall GHS classification, the remaining ingredients do not have to be listed according to the South African Regulations for Hazardous Chemical Agents 2021, Regulation 14(b).

In case of poisoning, call the following number: +27 82 446 8946 (Griffon Poison Information Centre) or +27 861 555 777 (Poison Information Helpline).

In case of a chemical spill call the following 24 Hr Transport / Spill emergency number: +27 86 044 4411 (Hazcall24 / Client: Villa Crop Protection).

FIRST AID TREATMENT

- Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure and consult a doctor. **Immediately consult a doctor.**
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs. **Seek medical attention if you feel unwell after inhalation.**
- **Skin:** 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.
- **Eyes:** Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing.
- **Ingestion:** Seek medical attention or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

RESISTANCE WARNING

ADEQUATE 240 SL is a group code 4 herbicide. Any weed population may contain individuals naturally resistant to **ADEQUATE 240 SL** and other group code 4 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **ADEQUATE 240 SL** or any other group code 4 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.

Mode of action:

Picloram is a selective systemic herbicide, absorbed rapidly by the roots and leaves, and translocated both acropetally and basipetally, accumulating in new growth.

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.
- **High ambient temperatures** may increase the volatility and potential for vapour drift of this herbicide, thereby increasing the risk for off-target injury to sensitive broadleaf crops.
- **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 use on flood irrigated land or fields.**
- **Do not apply to areas that may be planted 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. Manure may contain enough herbicide to cause injury to susceptible plants.
- **Do not transfer livestock** from treated grazing areas (or feeding of 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 **ADEQUATE 240 SL** is registered for use.
- **Do not apply to land NEAR to desirable broadleaved plants**, or land onto which such plants are to be grown or grain varieties in a susceptible stage of growth. However, **ADEQUATE 240 SL** may be applied in the vicinity of desirable broadleaved plants, or soil or land onto which such plants are to be grown, or grain varieties in a susceptible stage of growth, **provided that sufficient precautionary measures are taken to avoid any type of contamination of such an area.**
- Avoid contact with soil in the root zone of the plants or with soil in which plant are to be grown.

GENERAL INFORMATION

- It takes considerable time 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.**RESTRICTED USES:**

This product is restricted due to acute toxicity. This remedy may only be sold to and used by a registered pest control operator, or by someone under supervision of registered pest control operator, and only for those uses covered by the pest control operator's scope of registration, and only as directed on this label.

NOTICE TO USER:

Read the entire label before application. This agricultural remedy is to be used only in accordance with the instructions on the label. It is an offence under the Act to use this agricultural remedy for any purpose in a manner contrary with the directions on the label.

Compatibility:

- **ADEQUATE 240 SL** is compatible with the surfactant **Summit Super**.
- When **ADEQUATE 240 SL** is used in conjunction with any other agricultural remedy, all **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on that label, must be adhered to.

Mixing instructions:

- Mix **ADEQUATE 240 SL** with water and add **Summit Super** according to instructions for the different target species. Once the spray mixture has been well mixed, no further agitation is necessary.
- Do not prepare more mixture than will be used immediately.

Time of application:

- Apply only on actively growing plants with full foliage cover 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

General:

- Apply as a complete coverage spot application onto fresh cut stem surfaces.
- Apply only to actively growing plants, up to 2 metres high.
- Do not apply if rain is likely within three (3) hours.**

A. Cut Stump treatment:

- Apply preferably immediately after felling, but definitely within 3 hours.
- Do not apply **ADEQUATE 240 SL** to the stump if the surface is wet from rain or dew.
- Apply with a knapsack, as a coarse spray using solid cone nozzle tips (eg. Spraying System TD-1, Delavan CE 1 or equivalent type) at 100 kPa, low pressure.
- Do not exceed spray height of 20 cm above the cut surface.
- Apply according to directions in the table below.

APPLICATION RATES

IMPORTANT: REFER TO “DIRECTIONS FOR USE” ABOVE.

A. CUT STUMP APPLICATION

<i>Target species</i>	<i>Dosage rate per 100 ℓ water</i>	<i>Remarks</i>
Black wattle (<i>Acacia mearnsii</i>)	1.5 ℓ PLUS Summit Super 0.5 % (500 ml per 100 litres or 50 ml per 10 litres spray mixture)	Refer to “DIRECTIONS FOR USE” above. Apply to low cut stumps (10 to 20 cm high) preferably with a single cut surface. Apply to complete cut surface of stumps with a diameter of less than 10 cm. Where multiple stumps are present, all stumps' cut surfaces must be treated.
Saligna gum (<i>Eucalyptus grandis</i>)		For bigger stumps apply to the cambial region (sapwood) of the cut surface. In all cases, apply until the point of run-off. A follow-up spray, as a coppice application may be required.
Black thorn (<i>Acacia mellifera</i>)	2.0 ℓ PLUS Summit Super 0.5 % (500 ml per 100 litres or 50 ml per 10 litres spray mixture)	Apply to low cut stumps (10 to 20 cm high). Apply to complete cut surface until the point of run-off. A follow-up spray as a coppice application may be required.

NOTE

ADEQUATE 240 SL controls woody tree and shrub species. Other trees and shrubs that were not present during the development trials of this product might also be controlled. However, the registration holder does not accept responsibility for control of unlisted tree and shrub species, or if applied by other means of application that listed in this label.

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

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

SUMMIT SUPER and **BENEFIT PLUS** are registered products of
VILLA CROP PROTECTION (PTY) LTD.