

**WARNINGS:**

- Poisonous by swallowing.
- Concentrate may cause severe irritation to eyes.
- May causes allergic skin reactions.
- Store in a cool place.
- Slightly toxic to aquatic invertebrates.
- Store away from food, feed, seed and other agricultural chemicals and out of reach of children, uninformed persons and animals.
- In case of poisoning, call a doctor and show him this label.

**RE-ENTRY INTERVAL:**

Do not enter treated area until spray deposit has dried on the target plants unless wearing protective clothing.

**GRAZING RESTRICTIONS:**

Meat animals 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 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.

*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 soils, climatic and storage conditions; quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of weeds against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore 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 or registration holder in the event of any uncertainty.*

**PRECAUTIONS:**

- Wear protective gloves and face shield or safety glasses when handling the concentrate.
- Do not breathe fumes or spray mist.
- Wash contaminated clothing daily
- Wash with soap and water after accidental skin contact.
- Avoid eye contact. In case of eye contact, flush eyes with clean water.
- Do not eat, drink or smoke whilst applying, mixing or before washing hands and face and change of clothing.
- Prevent spray drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Clean the spray applicator with a 1 % solution of household ammonia before using with other products. Allow the solution to stand in the spray tank for several hours but preferably overnight. Rinse at least twice with clean water. This applicator should not be used for applying products other than herbicides. Dispose of wash water where it will not contaminate food, grazing, rivers or dams.
- Rinse empty containers three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the contents of the spray tank before destroying the container by perforation and flattening. NEVER use for other purposes.
- Prevent contamination of food, feeds, drinking water and eating utensils.

**USE RESTRICTIONS:****Precautions for avoiding injury to non-target plants are:**

- Do not permit spraymist to drift or come into contact with sensitive broadleaf crops, including, but not limited to Lucerne, beans, melons, potatoes, soyabeans, sunflowers, tobacco, tomatoes, cotton, fruit trees, grape vines, ornamentals, soils containing roots of these plants, soil in which such plants are to be grown, grain varieties 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 desirable plants, do not treat or allow spray or spray drift or spray run off to fall onto banks or bottoms of irrigation ditches, canals, streams, dams, rivers, either dry or containing water that may be used for irrigation or domestic purposes or may carry water to an irrigation facility.
- Do not make application when circumstance favour movement or drift from the treated site.

- Do not apply to areas that may be rotate to any broadleaf crop.
- Do not use manure from animals grazing treated areas on land for growing broadleaf crops, ornamentals, orchards or other susceptible crops. Manure may contain enough picloram to cause injury to susceptible plants.
- Do not use grass or sprayed plants from treated areas for composting or mulching of susceptible broadleaf plants or crops.
- 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 picloram to cause injury to broadleaf plants.
- Do not use on flood irrigated land or fields.
- Do not spray if the loss of forage legumes, including clover cannot be tolerated. New legume seedlings may take years to reestablish.
- Do not move treated soil to areas other than sites for which **GLADIATOR 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 grain varieties in a susceptible stage of growth. The product may however be applied in the vicinity of desirable broadleaf plants, or soil or land onto which such plants are to be grown, or grain varieties in a susceptible stage of growth, provided that adequate precautionary measures are taken to avoid spraydrift or contamination of run-off areas.
- Apply the product strictly in accordance with the application directions.

**SYMPTOMS OF HUMAN POISONING:**

There are no specific signs of poisoning. The concentrate may cause severe eye irritation. Prolonged or repeated skin contact may cause allergic reactions in some individuals. Harmful effects not anticipated from swallowing small amount. Prolonged exposure to vapours not likely to be hazardous.

**FIRST AID TREATMENT:**

- EYES:** Irrigate with clean flowing water for 30 minutes. Seek medical advice
- SKIN:** Remove contaminated clothing. Rinse affected area thoroughly with clean running water
- INGESTION:** In case of accidental ingestion, do NOT induce vomiting. Give 1 or 2 glasses of water or milk to drink. Do not give anything by mouth to an unconscious person. Seek medical attention.

**INHALATION:**

Remove patient to fresh air. If effects occur, seek medical advises.

**NOTE TO PHYSICIAN:**

No specific antidote. Treatment should always be symptomatic. If lavage is performed, suggest endotracheal and / or esophagosopic control.

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

**Gladiator 160 ME** is compatible with ACTIPRON SUPER\*\*.

**MIXING:**

For foliar applications, half fill the spray tank with water and add the required quantity of **GLADIATOR 160 ME**. While filling the spray tank add ACTIPRON SUPER at the rate indicated below while maintaining constant agitation.

**APPLICATION:****A. FOLIAR APPLICATION**

- Use only on actively growing plants with full leaf cover
- Apply as a full cover spray to leaves and stems to the point of spray solution run-off.
- Do not apply to foliage wet from rain or dew etc.
- Avoid spray drift onto non-target plants.
- Avoid fine droplet size. Use a knapsack sprayer with a solid cone nozzle (eg. Spraying systems TG-1, or equivalent type) that will ensure an even coverage of the target area. Maintain a constant pressure of between 200 – 250 kPa. Maintain a distance of approximately 50 cm from the target for best coverage.
- Rain 3 hours after application will have no effect on efficacy provided the spray has dried on the target plants.
- Prevent drift of spray mist onto desirable plants.

**B. CUT STUMP**

- Apply preferably immediately after felling but definitely within 1 hour.
- **GLADIATOR 160 ME** should not be applied to the stump if surface is wet from rain or dew.
- Apply as a coarse spray using solid cone nozzle tips (eg. Spraying Systems TG-1 or equivalent type) at 100 kPa, low pressure.
- Do not exceed spray height of 20 cm above target. Do not apply if wind velocity exceeds 15 km/h (as measured by handheld wind recorder). The difference between the wet and dry bulb readings on a whirling hygrometer must not exceed 8 °C.
- Apply according to directions in the table below.

**Warning:**

If topkill is obtained but regrowth occurs from the crown, apply a herbicide registered for use against the relevant species as a foliar spray.

**RATES AND METHODS:****FOLIAR APPLICATIONS:**

**NOTE: ACTIPRON SUPER should be added at a rate of 500 mℓ/100 litres spray mix for all foliar applications.**

PLANT	RATE / 100 ℓ WATER	REMARKS
<i>Acacia mearnsii</i> (Black Wattle)	125 mℓ (0,125% mixture)	See DIRECTIONS FOR USE above.
<i>Acacia longifolia</i> (Long leaf wattle)	500 mℓ (0.50% mixture)	
<i>Acacia melanoxylon</i> (Blackwood)	500 mℓ (0,50% mixture)	Apply to actively growing plants. Apply until the point of run-off.
<i>Acacia saligna</i> (Port Jackson)	500 mℓ (0,50% mixture)	
<i>Anredera baselloides</i> (Madeira vine)	500 mℓ (0.50% mixture)	Plants too high for a good cover spray should be slashed and the re-growth sprayed when not less than 0,5 m high.
<i>Campuloclinium macrocephalum</i> (Pom pom weed)	375 mℓ (0,375% mixture)	
<i>Chromolaena odorata</i> (Triffid weed)	750 mℓ (0.75% mixture)	In the event of any re-growth after application, a follow-up spray should be carried out.
<i>Cirsium vulgare</i> (Scotch thistle)	750 mℓ (0.75% mixture)	
<i>Eucalyptus grandis</i> (Saligna gum)	500 mℓ (0.50% mixture)	
<i>Lantana camara</i> (Lantana)	1,5 ℓ (1,50% mixture)	
<i>Psidium guajava</i> (Guava)	1.5 ℓ (1.50% mixture)	
<i>Robinia pseudoacacia</i> (Black Locust)	1.5 ℓ (1.50% mixture)	
<i>Rubus cuneifolius</i> (American bramble)	750 mℓ (0.75% mixture)	
<i>Solanum mauritianum</i> (Bugweed)	250 mℓ (0.25% mixture)	

**CUT STUMP**

**NOTE: ACTIPRON SUPER should be added to the spray mixture at a rate of 500 mℓ/100 litres for all cut stump applications.**

PLANT	RATE / 100 ℓ WATER	REMARKS
<i>Acacia mearnsii</i> (Black Wattle)	2.0 ℓ (2.00% mixture)	See DIRECTIONS FOR USE above. Apply to low cut stumps (10 – 20 cm high) preferably with 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. For bigger stumps, apply to the cambial region (sapwood) of the cut surface and rootcrown. In all cases, apply until the point of runoff.
<i>Acacia melanoxylon</i> (Blackwood)	2.0 ℓ (2.00% mixture)	
<i>Acacia saligna</i> (Port Jackson)	2.0 ℓ (2.00% mixture)	In the event of some re-growth and depending on the species, a follow-up spray as a coppice application with a registered product may be required.
<i>Chromolaena odorata</i> (Triffid weed)	750 mℓ (0.75% mixture)	
<i>Eucalyptus cladocalyx</i> (Sugar gum)	4.5 ℓ (4.50% mixture)	
<i>Eucalyptus grandis</i> (Saligna gum)	3.0 ℓ (3.00% mixture)	
<i>Eucalyptus smithii</i> (Blackbutt peppermint)	4.5 ℓ (4.50% mixture)	
<i>Lantana camara</i> (Lantana)	1.5 ℓ (1.50% mixture)	
<i>Melia azedarach</i> (Syringa)	1.5 ℓ (1.50% mixture)	
<i>Ricinus communis</i> (Castor Oil Plant)	1.0 ℓ (1.00% mixture)	

**GLADIATOR 160 ME** controls trees and shrubs. Other trees and shrubs that were not present during the development trials with the product, may also be controlled to a certain degree. The registration holder does not accept any responsibility for unlisted trees and shrubs.

In situations where more than one species of target plant occurs contact your local technical representative.

For assistance in the calibration for spot treatments please contact your local technical representative.

**\*\* ACTIPRON SUPER (Mineral oil), Reg. No. L5506, Act No. 36 of 1947, is the Trademark of H&R GSP (Pty) Ltd. GRIFFON POISON INFORMATION CENTRE: TEL. NO. 082 446 8946 INFORMATION HOTLINE: TEL. NO. (011) 463 6057**

