



Dow AgroSciences

GARLON™ 480 EC



HERBICIDE

Reg. No. L4916, Act No.36 of 1947

Reg. Nr. L4916, Wet Nr. 36 van 1947

N-AR 0557
W130100

<p>A SYSTEMIC EMULSIFIABLE CONCENTRATE HERBICIDE FOR THE CONTROL OF WOODY PLANTS AND WEEDS AS LISTED FOR FORESTRY, GRASS PASTURES, INDUSTRIAL AREAS AND SUGARCANE.</p>	<p>'N SISTEMIESE EMULGEERBARE KONSENTRAAT ONKRUIDDODER VIR DIE BEHEER VAN HOUTAGTIGE PLANTE EN ONKRUIDE SOOS AANGETOON IN BOSBOU, GRASWEIDINGS, NYWERHEIDSGEBIEDE EN SUIKERRIET.</p>
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HRAC: HERBICIDE GROUP CODE

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HRAC: ONKRUIDDODERGROEPKODE

Active Ingredient/Aktiewe Bestanddeel

Triclopyr (Pyridyloxy Compound) 480 g/l	Triklopir (Piridiloksieverbinding)
(as butoxy ethyl ester)		(as butoksie-etieseter)

NET VOLUME	l	NETTO VOLUME
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REGISTRATION HOLDER / REGISTRASIEHOUER

DOW AGROSCIENCES SOUTHERN AFRICA (PTY) LTD / (EDMS) BPK
 REG NO 1967/007147/07
 PRIVATE BAG X 160 PRIVAATSAK
 BRYANSTON 2021
 SOUTH AFRICA

*Trademark of/Handelsmerk van Dow AgroSciences

Batch No.

..... Lot Nr.

Date of Manufacture

..... Datum van Vervaardiging

UN NO: 3082

Poisons Helpline: +27(0)861-555-777
 Griffon Poison Information Centre: +27(0)82-446-8946
 24 Hour Emergency Tel No: 082-887-8079
 Information Hotline Tel No: (012) 361-8112

GARLON* 480 EC/2012-12-20



**HARMFUL
SKADELIK**



WARNINGS

Handle with care.

Poisonous by swallowing.

Concentrate may cause irritation to eyes and skin.

Toxic to fish and other animals.

Store in a cool place.

Store away from food, feed, seed, other agricultural chemicals and out of reach of children, uninformed persons and animals.

In case of poisoning, call a doctor immediately and make this label available to him.

RE-ENTRY INTERVAL : Do not enter treated area within 1 day after treatment unless wearing protective clothing.

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 weed against the remedy, 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 in the event of any uncertainty.

PRECAUTIONS

Wear protective gloves and face shield when handling the concentrate.

Do not breathe fumes or spray mist.

Wash contaminated clothing daily.

Avoid eye contact.

Do not eat, drink or smoke whilst applying, mixing or before washing hands and face and change of clothing.

Prevent drift onto other crops, grazing, rivers, dams or areas not under treatment.

Clean applicator thoroughly before using with other materials on desirable plants. Dispose of wash water where it will not contaminate food, crops, grazing, rivers or dams.

Rinse empty container 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 and NEVER use for any other purpose.

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, soyabean, sunflower, tobacco, tomatoes, cotton, fruit trees, grape vines, ornamentals, soil 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.
- **Increasing ambient temperatures** may result in the volatility and potential for vapour drift of this herbicide thus increasing the risk for off-target injury to sensitive crops such as but not limited to grapes and tomatoes.
- **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 circumstances favour movement from treated site.**
- **Do not apply to areas that may be rotated to any broadleaf crop.**
- **Do not use manure** from animals grazing treated areas on land used for growing broadleaf crops, ornamentals, orchards or other susceptible crops. Manure may contain enough herbicide 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 herbicide to cause injury to sensitive broadleaf plants.
- **Do not use on flood irrigated land or fields.**
- **Do not move treated soil** to areas other than sites for which **GARLON* 480 EC** is registered for use.
- **Do not apply through a mist blower.**
- **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. May, however, 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 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

May cause skin irritation and sensitization.

FIRST AID TREATMENT

Inhalation: Remove patient to fresh air. Consult a physician.

Ingestion: Do not induce vomiting. Consult a physician immediately.

Eye Contact: Immediately wash with clean water for at least 5 minutes.

Skin Contact: Immediately wash skin with soap and plenty of water. Remove and wash contaminated clothing.

NOTE TO PHYSICIAN

No specific antidote. If lavage is performed, endotracheal and/or oesophageal control is suggested. The danger of lung aspiration must be considered. Treat symptomatically.

DIRECTIONS FOR USE

Use only as directed.

Compatibility

GARLON 480 EC is compatible with ACTIPRON SUPER**, MAMBA* 360 SL, MAMBA* MAX 480 SL and MAMBA* DMA 480 SL.

Mixing

For foliar applications, half fill the spray tank with water and add the required quantity of **GARLON 480 EC**. 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 wet foliage.
- Avoid spray drift onto non-target plants.
- Rain after application will have no effect on efficacy provided the spray has dried on the target plants.
- Deciduous plants may drop their leaves when under stress. Do not spray target plants when drought signs are evident or showing signs of stress. Caution must be taken when applying foliar applications to deciduous plants during autumn to prevent rapid leaf drop as a combination of stress and herbicide application. Should this occur, provision should be made for follow-up treatments.
- After a drought some plant species remain under stress and require a recovery period following rainfall. Signs of stress may not be evident during this recovery period. Allow time for plants to fully recover after rainfall before applying foliar treatments. Should foliar treatments be applied during this recovery period, provision should be made for follow-up treatments.
- Use a knapsack sprayer with a solid cone nozzle (eg. Spraying Systems TG-1, Delavan CE 1 or equivalent type) that will ensure an even coverage of the target area. Maintain a constant pressure of between 200 - 250 kPa.
- For linear application with tractor and boom, apply in sufficient water per hectare to ensure even coverage. This will be 250 – 350 litres spraymix per hectare depending on plant height and weed species.
- For High Volume Application (Only with a foaming agent), use a motorized pump capable of applying pressures of 1,000 - 1,200 kPa - use a Spraying Systems Foamjet FJ 0006 aspirating nozzle, (or equivalent type.) Add commercially available foaming agent, as a temporary spray application marker.

B. CUT STUMP

- Apply on the day of felling (within 12 hours).
- **GARLON 480 EC** in diesel should not be applied to stumps if surface is wet from rain or dew.
- Use solid cone nozzle tips (eg. Spraying Systems TG-1, Delavan CE 1 or equivalent type) at 100 kPa, (low pressure).
- Apply mixture to the point of run-off according to directions for stump and cut stumps in the table below.

C. BASAL BARK TREATMENT (For plants with stem diameter up to 10 cm.)

- **GARLON 480 EC** in diesel should not be applied to stems if surface is wet from rain or dew.
- Apply by paintbrush or knapsack as a coarse, low-pressure spray using narrow angle solid cone nozzle. Apply all round to the basal stem or trunk of the woody plant from soil level to a height indicated, as well as to any exposed roots. In order to obtain satisfactory results a thorough wetting of the indicated area is imperative. Old or rough bark may require more mixture than young or smooth bark. In the case of multi-stemmed plants, each stem should be treated separately.

RATES AND METHODS

A. FOLIAR APPLICATIONS

NOTE: ACTIPRON SUPER SHOULD BE ADDED AT A RATE OF 500 ml/100 LITRES SPRAY MIX FOR ALL FOLIAR APPLICATIONS.

PLANT	GARLON 480 EC/ 100 ℓ WATER	REMARKS
<i>Acacia cyclops</i> (Red eye)	500 ml (0,5 % mixture)	Apply to young actively growing trees (saplings) up to 2 metres in height.
<i>Acacia saligna</i> (Port Jackson)		Apply until the point of run-off.
<i>Acacia longifolia</i> (Long-leaved wattle)	600 ml (0,6 % mixture)	
<i>Acacia melanoxylon</i> (Blackwood)	750 ml (0,75 % mixture)	
<i>Acacia dealbata</i> (Silver Wattle)	250 - 750 ml (0,25 % - 0,75 % mixture)	Use the lower rate for seedlings (smaller than 50 cm in height) and the higher rate for saplings.
<i>Acacia mearnsii</i> (Black Wattle)		Apply until the point of run-off.
<i>Asclepias fruticosa</i> (Shrubby milkwood)	375 ml (0,375 % mixture)	Apply to actively growing plants until the point of run-off.
<i>Caesalpinia decapetala</i> (Mauritius Thorn)	500 ml (0,5 % mixture)	On actively growing plants. Apply until the point of run-off.
<i>Chromolaena odorata</i> (Triffid Weed)	375 ml (0,375 % mixture)	Plants too high for a good cover spray should be slashed and the regrowth sprayed when not less than 0,5 m high.

PLANT	GARLON 480 EC/ 100 ℓ WATER	REMARKS
<i>Elytropappus rhinocerotus</i> (Slangbos)	500 mℓ (0,5 % mixture)	Apply to actively growing plants ensuring a thorough wetting. Limited re-growth may occur requiring a follow-up treatment.
<i>Eucalyptus grandis</i> (Saligna gum)	750 mℓ (0,75% mixture)	When coppice is between 1 - 1,5 m in height apply to leaves and stems ensuring a thorough wetting. Limited re-growth may occur requiring a follow-up treatment.
<i>Harrisia martinii</i> (Harrisia cactus)	1,0 ℓ (1,0 % mixture)	Apply to actively growing plants ensuring a thorough wetting. Limited re-growth may occur requiring a follow-up treatment.
<i>Lippia javanica</i> (Lippia)	500 mℓ (0,5 % mixture)	
<i>Pereskia aculeata</i> (Pereskia)	500 mℓ (0,5 % mixture)	Use a high spray mix volume per hectare according to plant density. Plants should be reduced to a height of 2 m. <u>Caution:</u> After treatment, remove dead topgrowth (eg. Controlled burn). Remaining live plant material should be excavated and burnt.
<i>Pueraria lobata</i> (Kudzu)	500 mℓ (0,5 % mixture)	Apply to actively growing plants ensuring a thorough wetting. Limited re-growth may occur requiring a follow-up treatment.

PLANT	GARLON 480 EC/ 100 ℓ WATER	REMARKS
<i>Rubus cuneifolius</i> (American bramble)	500 mℓ (0,5 % mixture)	On actively growing plants. Apply until the point of run-off. 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>Sesbania punicea</i> (Sesbania)	500 mℓ (0,5 % mixture)	Apply to seedlings and re-growth up to 2 metres in height. Re-growth should not be less than 0,5 m in height. Apply until the point of run-off.
<i>Solanum mauritianum</i> (Bugweed)	500 mℓ (0,5 % mixture)	On young actively growing plants up to 1,5 m in height. Apply until the point of run-off. Plants higher than 1,5 m should be slashed and re-growth sprayed when not less than 0,5 m high.
<i>Solanum sisymbriifolium</i> (Wild tomato)	500 mℓ (0,5 % mixture)	Apply to actively growing plants ensuring a thorough wetting. Limited re-growth may occur requiring a follow-up treatment.
<i>Stoebe plumosa</i> (Slangbos)	500 mℓ (0,5 % mixture)	
<i>Ulex europaeus</i> (Gorse)	1000 mℓ (1,0 % mixture)	On young actively growing plants up to 1,0 m in height apply sufficient spray mix volume until the point of run-off. Plants higher than 1,0 m should be slashed and re-growth sprayed when not less than 0,25 m high.

B. STUMP APPLICATIONS

NOTE: ACTIPRON SUPER SHOULD BE ADDED AT A RATE OF 500 ml/100 LITRES SPRAY MIX FOR ALL APPLICATIONS WHERE WATER IS RECOMMENDED AS AN ALTERNATIVE TO DIESEL.

PLANT	GARLON 480 EC/ 100 ℓ DIESEL	REMARKS
<i>Acacia dealbata</i> (Silver Wattle)	2,0 ℓ (2,0 % mixture)	Apply to cut surface, all bark and root crown of stumps cut ± 10 cm above ground level.
<i>Anredera bassiloides</i> (Madeira vine)	1,0 ℓ (1,0 % mixture)	
<i>Casuarina equisetifolia</i> (Beefwood)	1,0 ℓ (1,0 % mixture) OR 1,5 - 3,0 ℓ in water (1,5 % - 3 % mixture)	Apply to cut surface, all bark and root crown of stumps ± 15 cm above ground level. For application in water, apply to the cut surface only. Use lower rate for stumps with a diameter less than 10 cm and the higher rate for stumps cut with a diameter exceeding 10 cm.
<i>Cestrum laevigatum</i> (Inkberry)	1,0 ℓ (1,0 % mixture)	Apply to cut surface, all bark and root crown of stumps cut ± 10 cm above ground level.
<i>Chromolaena odorata</i> (Triffid Weed)	1,0 ℓ (1,0 % mixture)	
<i>Eucalyptus grandis</i> (Saligna gum) <i>Eucalyptus diversicolor</i> (Karri)	2,0 ℓ (2,0 % mixture)	Apply to the cambial region (sapwood) of the cut surfaces, all the bark, root crown and any exposed roots until the point of run-off. A follow up spray as a coppice application may be required.
<i>Prosopis</i> spp. (Mesquite)	4,0 ℓ (4,0 % mixture)	Apply to cut surface, all bark and root crown of low cut stumps (± 10 cm above ground level).

PLANT	GARLON 480 EC/ 100 ℓ DIESEL	REMARKS
<i>Sesbania punicea</i> (Sesbania)	0,5 ℓ (0,5 % mixture) or 1,0 ℓ in water (1,0 % mixture)	Apply to cut surface, all bark and root crown of stumps cut ± 10 cm above the ground. For application in water, apply to cut surfaces only.
<i>Ulex europaeus</i> (Gorse)	2,0 ℓ (2,0 % mixture) or 2,0 ℓ in water (2,0 % mixture)	

COPY

C. BASAL STEM APPLICATIONS

PLANT	GARLON 480 EC/ 100 ℓ DIESEL	REMARKS
<i>Acacia decurrens</i> (Green Wattle) <i>Acacia mearnsii</i> (Black Wattle) <i>Acacia melanoxylon</i> (Blackwood)	2,0 ℓ (2,0 % mixture)	Ensure wetting of the root crown, exposed roots and stem up to a height of 0,25 m.
<i>Anredera bassiloides</i> (Madeira vine)	1,0 ℓ (1,0 % mixture)	
<i>Cestrum laevigatum</i> (Inkberry)	1,0 ℓ (1,0 % mixture)	
<i>Melia azedarach</i> (Syringa)	2,0 ℓ (2,0 % mixture)	
<i>Robinia pseudo-acacia</i> (Black Locust)	2,0 ℓ (2,0 % mixture)	
<i>Schinus terebinthifolius</i> (Brazilian Pepper Tree)	2,0 ℓ (2,0 % mixture)	
<i>Solanum mauritianum</i> (Bugweed)	2,0 ℓ (2,0 % mixture)	

D. SUGARCANE (DO NOT USE ACTIPRON SUPER OR ANY OTHER ADDITIVE)

PLANT	GARLON 480 EC/ 100 ℓ WATER	REMARKS
<i>Anredera basseloides</i> (Madeira Vine) <i>Physalis viscosa</i> (Sticky gooseberry)	500 mℓ (0,5 % mixture)	Apply as a direct spot spray. Ensure good coverage of the weeds to be controlled.

GARLON 480 EC 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.

N.B.

- 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.

The following registrations under Act No. 36 of 1947 and trademarks are acknowledged:

** ACTIPRON SUPER (Mineral oil), Reg. No. L5506, is the trademark of H&R GSP (Pty) Ltd.

++MAMBA* 360 SL (Glyphosate) (Reg. No. L4817); MAMBA* MAX 480 SL (Glyphosate) (Reg No L7714) and MAMBA* DMA 480 SL (Glyphosate) (Reg. No. L8388) are the trademarks of Dow AgroSciences LLC.

24 HOUR EMERGENCY TEL. NO. 082-887-8079

INFORMATION HOTLINE : TEL. NO.: (012) 361-8112

WAARSKUWINGS

Hanteer versigtig.

Giftig indien ingesluk word.

Konsentraat mag irritasie van vel en oë veroorsaak.

Giftig vir vis en ander diere.

Bêre in 'n koel plek.

Bêre weg van voedselware, voer, saad en ander landboumiddels en buite die bereik van kinders, oningeligte persone en diere.

In geval van vergiftiging ontbied 'n geneesheer en maak hierdie etiket aan hom bekend.

HERBETREDING : Moet nie behandelde gebied betree vir 1 dag na bespuiting nie, tensy beskermende oorklere gedra word.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats- en bergingstoestande; kwaliteit van verdunningswater; verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die onkruid teen die betrokke middels sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versuim van die gebruiker om etiketaanwysings van die betrokke middel na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMAATREËLS

Dra beskermende handskoene en gesigskerm wanneer die konsentraat hanteer word.

Moenie dampe of sproeireën inasem nie.

Was besoedelde klere daaglik.

Vermyn aanraking met die oë.

Moenie eet, drink of rook tydens vermenging en toediening en alvorens hande en gesig gewas en skoon klere aangetrek is nie.

Om beskadiging van gewenste plante te voorkom moet houer en spuittoerusting wat gebruik is, deeglik skoongemaak word voor toediening van ander middels op sulke plante. Gooi was- en spoelwater uit waar dit nie voedsel, gewasse, weiding, riviere en damme sal besoedel nie.

Spoel leë houer driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat die houer vernietig word deur gate daarin te maak en dit plat te druk en moet nie vir enige ander doel gebruik nie.

Voorkom besoedeling van voedselware, voer, drinkwater en eetgerei.

Verhoed spuitstof wegdrywing na ander gewasse, weidings, riviere, damme of enige gebied wat nie behandel word nie.

GEBRUIKSBEPERKINGS

Maatreëls om beskadiging van nie-teiken plante te voorkom is soos volg:-

- **Voorkom dat spuitnewel wegdryf** of in kontak kom met sensitiewe breëblaar gewasse, insluitend, maar nie beperk tot: lusern, bone, waatlemoene, aartappels, soyabone, sonneblomme, tabak, tamaties, katoen, vrugtebome, wingerdstokke, sierplante, gronde waarin wortels van die plante voor kom, grond waarin die plante verbou gaan word, jong graangewasse in vatbare groeistadium, weidings of enige ander area wat nie behandel gaan word nie.
- **Verhoogde omgewingstemperature** mag die vlugtigheid en potensiaal vir dampdrywing van hierdie onkruidodder verhoog en daardeur die risiko vir nie-teiken beskadiging van sensitiewe breëblaar gewasse, insluitend, maar nie beperk tot druiwe en tamaties.
- **Moenie water vir besproeiing of huishoudelike gebruik besoedel nie.** Om beskadiging van gewasse of ander gewenste plante te voorkom, moenie toelaat dat spuitnewel of spuitstof op walle of bodem van besproeiingsvore, kanale, strome, damme, riviere, wat vir besproeiing of huishoudelike gebruik bedoel is, hetsy droog of met water daarin, beland of deur water na besproeiingsisteme afgevoer word nie.
- **Moenie onder toestande wat die beweging van die onkruidodder uit behandelde areas bevorder, toedien nie.**
- **Moenie areas behandel wat moontlik met enige breëblaar gewas geroteer gaan word nie.**
- **Moenie die mis van diere** wat op behandelde areas gewei het vir lande waarop 'n breëblaar gewas, sierplante, boorde of enige ander vatbare gewas gevestig is of gevestig gaan word, gebruik nie. Mis mag genoeg onkruidodder nog bevat om skade te veroorsaak op gevoelige gewasse.
- **Moenie gras of bespuite plante** uit behandelde areas vir kompostering of deklaag by gevoelige breëblaar plante of gewasse gebruik nie.
- **Moenie lewende hawe van behandelde weidingsareas** (of wat op behandelde gras gevoed het) na areas van gevoelige breëblaar gewasse oorplaas alvorens hulle vir minstens 7 dae op onbehandelde grasweidings gewei het nie. Urine of mis van sulke diere mag voldoende onkruidodder bevat om gevoelige breëblaar plante te beskadig.
- **Moenie op lande of veld wat vloedbesproei word gebruik nie.**

- **Moenie toedien as die verlies van peulgewas weidings, insluitend klawers, nie geduld kan word nie.** Dit mag jare neem voordat nuwe peulplante sal vestig.
- **Moenie behandel grond** na areas anders as gronde waarop die gebruik van **GARLON* 480 EC** geregistreer is, verskuif nie.
- **Moenie met `n newelspuit (misblaser) toedien nie.**
- **Moenie op grond wat NABY gewenste breëblaar plante** of grond waarop sulke plante groei, of graangewasse wat in gevoelige ontwikkelings stadium is toedien, **mits daar nie voldoende voorsorg getref word om die wegdrywing van spuitnewel na die areas of besoedeling van afloop areas te voorkom nie.**
- Dien die produk streng volgens die gebruiksaanwysings toe.

SIMPTOME VAN MENS LIKE VERGIFTIGING

Kan vel irritasie en sensitiwiteit veroorsaak.

NOODHULPBEHANDELING

Inaseming: Verwyder pasiënt na vars lug. Ontbied 'n geneesheer.

Inname: Moet nie braking teweeg bring nie. Ontbied 'n geneesheer onmiddellik.

Oogkontak: Spoel onmiddellik met skoon water vir ten minste 5 minute uit.

Velkontak: Was die vel onmiddellik met seep en baie water. Verwyder en was besoedelde klere.

NOTA AAN GENEESHEER

Geen spesifieke teenmiddel nie. Indien braking nodig is, is endotracheale en/of oesofageale beheer raadsaam. Die gevaar van long aspirasie moet in ag geneem word. Behandel simptome.

GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui.

VERENIGBAARHEID

GARLON* 480 EC is mengbaar met ACTIPRON SUPER, MAMBA* 360 SL, MAMBA* MAX 480 SL en MAMBA* DMA 480 SL.

VERMENGING

Vir looftoediening vul die spuittenk halfvol met water en voeg die benodigde hoeveelheid **GARLON 480 EC** by. Vul die spuittenk dan verder met water en voeg ACTIPRON SUPER by teen die dosis soos aangedui hieronder, terwyl roering plaasvind.

TOEDIENING

A. LOOFTOEDIENING

Wend slegs aan wanneer plante volle drag blare het en aktief groei

- Dien toe as 'n volledige dekbespuiting op loof en stamme tot die punt van afloop.
- Moet nie toegedien word wanneer blare nat is nie.
- Na toediening sal reën geen invloed op die effektiwiteit hê nie, indien die spuitstof op die teiken plant gedroog het.
- Verhoed spuitingstofwegdrywing na gewenste plante.
- Bladwisselende bome mag hulle blare onder stremming verloor. Moet nie spuit as teiken plante enige droogtetekens of tekens van stremming wys nie. Wanneer blaartoedienings op bladwisselende bome in die herfs gedoen word, moet voorsorg getref word om vinnige blaarverliese a.g.v 'n kombinasie van onkruidodderbehandeling en stress toestande, te voorkom. Indien dit wel gebeur moet daar vir opvolgbespuitings voorsiening gemaak word.
- Na reën, in opvolging van droogte, sal seker spesies steeds vir 'n tydlank onder stress verkeer en moet dus eers toegelaat word om te herstel alvorens blaarbespuitings gedoen word, selfs al is stres-simptome nie oor die tydperk opsigtelik nie. Indien blaarbespuitings wel gedoen word voordat die plante herstel het, moet daar vir opvogbespuitings voorsiening gemaak word.
- Vir rugsak toediening, vermy fyn druppelgroottes - gebruik 'n rugsakspuit wat toegerus is met soliede kegelspuitpunte bv. Spraying Systems TG1 (of soortgelyk tipe) wat egalige benatting van die teiken sal verseker.
Handhaaf 'n konstante druk van 200 - 250 kPa.
Handhaaf 'n afstand van ongeveer 50 cm van die teiken vir gewenste benatting.

- Vir toediening met 'n trekker en spuitbalk gebruik genoeg water om goeie bedekking te verseker. Hierdie sal 250-350 liter spuitmengsel per hektaar wees afhangend van die plant hoogte en spesies.
- Vir Hoë Volume Toediening (Alleenlik met 'n skuimmiddel), gebruik 'n motoraangedrewe pomp wat 'n toedieningsdruk van 1,000 - 1,200 kPa kan handhaaf - gebruik 'n Spraying Systems Foamjet FJ 0006 met 'n aspirende spuitpunt, (of soortgelyk tipe). Voeg 'n kommersieële beskikbare skuimmiddel by as 'n tydelike spuittoedienings merker.

B. GEKAPTE STOMPESPUITING

- Dien toe gedurende die dag van afkap (binne 12 uur).
- **GARLON 480 EC** in diesel moet nie toegedien word op stompe indien hulle nat is weens reën of dou nie.
- Gebruik soliede keëlspuitstukke (bv. Spraying Systems TG-1, Delavan CE 1 of soortgelyke spuitstukke) en handhaaf 'n druk van 100 kPa (lae druk).
- Dien toe volgens aanwysings vir stompe en gekapte stompbespuiting in tabel hieronder.

C. STAMBESPUITING (Vir plante met stamdeursnee tot 10 cm)

- **GARLON 480 EC** in diesel moet nie toegedien word op stamme indien hulle nat is weens reën of dou nie.

Dien toe met 'n verfkwas of met 'n rugsakspuit met 'n nouhoekige soliede keëlspuitstuk as 'n growwe, lae druk bespuiting. Dien toe op die stamme van houtagtige plante reg rondom, vanaf grondhoogte tot 'n hoogte soos aangedui, asook op enige ontblote wortels.

Deeglike benatting van die aangeduide area is noodsaaklik vir goeie beheer. Ou of growwe bas mag meer spuitstof benodig as jong of gladde bas.

Waar meer as een stam per boom of struik voorkom, moet elke stam afsonderlik behandel word.

TOEDIENINGSHOEVEELHEDE EN METODE VAN TOEDIENING

A. LOOFTOEDIENING

OPMERKING: ACTIPRON SUPER, MOET TEN ALLE TYE VIR ALLE LOOFTOEDIENING BYGEOVOEG WORD TEEN 500 ml/100 LITER FINALE SPUITMENGSEL.

PLANT	GARLON* 480 EC/ 100 l WATER	OPMERKINGS
<i>Acacia cyclops</i> (Rooikrans) <i>Acacia saligna</i> (Port Jackson)	500 ml (0,5 % mengsel)	Gebruik op jong aktief-groeiende boompies ("Saplings") tot 'n hoogte van 2 meter. Dien toe tot die punt van afloop.
<i>Acacia longifolia</i> (Langblaarwattel)	600 ml (0,6 % mengsel)	
<i>Acacia melanoxylon</i> (Swarthout)	750 ml (0,75 % mengsel)	
<i>Acacia dealbata</i> (Silwerwattel) <i>Acacia mearnsii</i> (Swartwattel)	250 – 750 ml (0,25 % - 0,75 % mengsel)	Gebruik die lae dosis vir saailinge (kleiner as 50 cm in hoogte) en die hoër dosis vir jong boompies. Dien toe tot die punt van afloop.
<i>Asclepias fruticosa</i> (Melkbos)	375 ml (0,375 % mengsel)	Dien toe op aktief-groeiende plante tot die punt van afloop.
<i>Caesalpinia decapetala</i> (Mauritiusdoring)	500 ml (0,5 % mengsel)	Gebruik op aktief-groeiende plante. Plante te hoog vir goeie spuitbedekking moet eers afgekap word. Die hergroei word gespuit wanneer dit nie minder as 0,5 m hoog is nie.
<i>Chromolaena odorata</i> (Paraffienbos)	375 ml (0,375 % mengsel)	Dien toe tot die punt van afloop.
<i>Elytropappus rhinocerotus</i> (Slangbos)	500 ml (0,5 % mengsel)	Dien toe op aktief-groeiende plante en verseker deeglike benatting. Beperkte hergroei mag ontstaan wat 'n opvolg bespuiting sal benodig.

PLANT	GARLON* 480 EC/ 100 ℓ WATER	OPMERKINGS
<i>Eucalyptus grandis</i> (Saligna bloekom)	750 ml (0,75 % mengsel)	Wanneer hergroei tussen 1 – 1,5 m hoog is. Dien toe op loof en stamme en verseker deeglike benatting. Beperkte hergroei mag ontstaan wat 'n opvolgbespuiting sal benodig.
<i>Harrisia martinii</i> (Harrisia kaktus)	1,0 ℓ (1,0 % mengsel)	Dien toe op aktief-groeiende plante en verseker deeglike benatting. Beperkte hergroei mag ontstaan wat 'n opvolg bespuiting sal benodig.
<i>Lippia javanica</i> (Lippia)	500 ml (0,5 % mengsel)	
<i>Pereskia aculeata</i> (Pereskia)	500 ml (0,5 % mengsel)	Gebruik 'n hoë volume spuitmengsel afhange van plantdigtheid. Plante moet afgekap word na 'n hoogte van 2 meter. Waarskuwing: Na behandeling moet die dooie bogrondse groei verwyder word (bv. Deur beheerde brand). Lewende plantmateriaal moet uitgegrawe en gebrand word.
<i>Pueraria lobata</i> (Kudzu)	500 ml (0,5 % mengsel)	Dien toe op aktief-groeiende plante en verseker deeglike benatting. Beperkte hergroei mag ontstaan wat 'n opvolg bespuiting sal benodig.
<i>Rubus cuneifolius</i> (Amerikaanse braam)	500 ml (0,5 % mengsel)	Gebruik op aktief-groeiende plante. Plante te hoog vir goeie spuitbedekking moet eers afgekap word. Die hergroei word gespuit wanneer dit nie minder as 0,5 m hoog is nie. Dien toe tot die punt van afloop.
<i>Sesbania punicea</i> (Sesbania)	500 ml (0,5 % mengsel)	Dien toe op saailinge en hergroei tot 'n hoogte van 2 meter. Hergroei moet nie minder as 0,5 m hoog wees nie. Dien toe tot die punt van afloop.

PLANT	GARLON* 480 EC/ 100 l WATER	OPMERKINGS
<i>Solanum mauritianum</i> (Luisboom)	500 ml (0,5 % mengsel)	Gebruik op jong aktief-groeiende plante wat tot en met 1,5 m hoog is. Plante hoër as 1,5 m moet eers afgekap word. Hergroei word gespuit wanneer dit nie minder as 0,5 m hoog is nie. Dien toe tot die punt van afloop.
<i>Solanum sisymbriifolium</i> (Wilde tamatie)	500 ml (0,5 % mengsel)	Dien toe op aktief groeiende plante en verseker deeglike benatting. Beperkte hergroei mag ontstaan wat 'n opvolg bespuiting sal benodig.
<i>Stoebe plumosa</i> (Slangbos)	500 ml (0,5 % mengsel)	
<i>Ulex europaeus</i> (Gorse)	1000 ml (1,0 % mengsel)	Dien toe op jong aktief-groeiende plante wat tot en met 1,0 m hoog is met genoeg spuitstof volume tot die punt van afloop. Plante hoër as 1,0 m moet eers afgekap word. Hergroei word gespuit wanneer dit nie minder as 0,25 m hoog is nie.

B. STOMP BEHANDELING

OPMERKING: ACTIPRON SUPER, MOET TEN ALLE TYE BYGEOVOEG WORD TEEN 500 ml/100 LITER FINALE SPUITMENGSEL IN DIE GEVALLE WAAR WATER AANBEVEEL WORD IN PLAAS VAN DIESEL.

PLANT	GARLON* 480 EC/ 100 ℓ DIESEL	OPMERKINGS
<i>Acacia dealbata</i> (Silwerwattel)	2,0 ℓ (2,0 % mengsel)	
<i>Anredera bassiloides</i> (Madeira vine)	1,0 ℓ (1,0 % mengsel)	
<i>Casuarina equisetifolia</i> (Perdestertboom)	1,0 ℓ (1,0 % mengsel) OF 1,5 – 3,0 ℓ in water (1,5 – 3 % mengsel)	Dien toe op gekapte oppervlak, asook hele bas en wortelkroon ± 15 cm bo grondoppervlak. Vir toediening in water, dien toe alleenlik op die gekapte oppervlak. Gebruik die laer dosis op stompe met 'n deursnee minder as 10 cm en die hoër dosis vir stompe met 'n deursnee groter as 10 cm.
<i>Cestrum laevigatum</i> (Inkbessie)	1,0 ℓ (1,0 % mengsel)	Dien toe op gekapte oppervlak, asook hele bas en wortelkroon, van stompe afgekap tot 'n hoogte van ± 10 cm bo grondoppervlak.
<i>Chromolaena odorata</i> (Paraffienbos)	1,0 ℓ (1,0 % mengsel)	
<i>Eucalyptus grandis</i> (Saligna bloekom) <i>Eucalyptus diversicolor</i> (Karrie)	2,0 ℓ (2,0 % mengsel)	Dien toe op die kambiumgedeelte (splinthout) en die hele bas en wortelkroon en enige sigbare wortels. Benat gekapte oppervlak tot die punt van afloop. 'n Opmoegbespuiting op hergroei mag benodig word.

PLANT	GARLON* 480 EC/ 100 ℓ DIESEL	OPMERKINGS
<i>Prosopis</i> spp. (Suidwesdoring)	4,0 ℓ (4,0 % mengsel)	Dien toe op gekapte oppervlak, asook hele bas en wortelkroon, van laag afgekapte stompe (± 10 cm bo grondoppervlak).
<i>Sesbania punicea</i> (Sesbania)	0,5 ℓ (0,5 % mengsel) of 1,0 ℓ (1,0 % mengsel water)	Dien toe op gekapte oppervlak, asook hele bas en wortelkroon, van stompe afgekap tot 'n hoogte van ± 10 cm bo grondoppervlak. Vir toediening in water, dien toe alleenlik op die gekapte oppervlak.
<i>Ulex europeus</i> (Gorse)	2,0 ℓ (2,0 % mengsel) of 2,0 ℓ (2,0 % mengsel water)	Dien toe op gekapte oppervlak, asook hele bas en wortelkroon, van stompe afgekap tot 'n hoogte van ± 10 cm bo grondoppervlak. Vir toediening in water, dien toe alleenlik op die gekapte oppervlak.

C. STAMBESPUITING

PLANT	GARLON* 480 EC/ 100 ℓ DIESEL	OPMERKINGS
<i>Acacia decurrens</i> (Groenwattel) <i>Acacia mearnsii</i> (Swartwattel) <i>Acacia melanoxylon</i> (Swarthout)	2,0 ℓ (2,0 % mengsel)	Verseker benatting van die wortelkroon, ontblote wortels en stam tot 'n hoogte van 0,25 meter.
<i>Anredera bassiloides</i> (Madeira vine)	1,0 ℓ (1,0 % mengsel)	
<i>Cestrum laevigatum</i> (Inkbessie)	1,0 ℓ (1,0 % mengsel)	
<i>Melia azedarach</i> (Sering)	2,0 ℓ (2,0 % mengsel)	
<i>Robinia pseudo-acacia</i> (Wit akasia)	2,0 ℓ (2,0 % mengsel)	
<i>Schinus terebinthifolius</i> (Brasiliaanse Peperboom)	2,0 ℓ (2,0 % mengsel)	
<i>Solanum mauritianum</i> (Luisboom)	2,0 ℓ (2,0 % mengsel)	

D. **SUIKERRIET** (MOENIE ACTIPRON SUPER OF ENIGE ANDER BENATTER GEBRUIK NIE)

PLANT	GARLON* 480 EC/ 100 ℓ WATER	OPMERKINGS
<i>Anredera basselloides</i> (Madeira vine) <i>Physalis viscosa</i> (Wilde appelliefie)	500 ml (0,5 % mengsel)	Dien toe as 'n gerigte bespuiting. Maak seker van 'n goeie bedekking van die onkruid wat beheer moet word.

GARLON 480 EC beheer bome en struik. Ander bome en struik wat nie tydens die ontwikkelingsproewe met die middel voorgekom het nie, kan ook in meerdere of mindere mate daardeur beheer word. Die registrasiehouer aanvaar egter geen aanspreeklikheid ten opsigte van ongewenste bome en struik nie.

BELANGRIK:

- Wanneer meer as een ongewenste plant spesies voorkom raadpleeg die plaaslike tegniese verteenwoordiger van die verskaffer.
- Vir hulp met kalibrasie by kolbehandeling raadpleeg die plaaslike tegniese verteenwoordiger van die verskaffer.

Die volgende registrasies onder Wet Nr. 36 van 1947 en handelsmerke word erken:

- ** ACTIPRON SUPER (mineraal olie) (Reg. Nr. L5506), is die handelsmerk van H&R GSP (Edms) Bpk. (Pty) Ltd.
- ++ MAMBA* 360 SL (Glifosaat) (Reg. Nr. L4817); MAMBA* MAX 480 SL (Glifosaat) (Reg. Nr. L7714) en MAMBA* DMA 480 SL (Glifosaat) (Reg. Nr. L8388) is die handelsmerke van Dow AgroSciences LLC.

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