



Dow AgroSciences

# PLENUM™ 160 ME



HERBICIDE

REG. NO. L7702 ACT NO. 36 of 1947 / REG. NR. L7702 WET NR. 36 van 1947  
N-AR 0934

<p><b>A SYSTEMIC MICRO-EMULSION HERBICIDE FOR THE CONTROL OF WOODY PLANTS AND WEEDS AS LISTED FOR FORESTRY, GRASS PASTURES, CONSERVATION AND INDUSTRIAL AREAS.</b></p>	<p><b>'N SISTEMIESE MIKRO-EMULSIE ONKRUIDDODER VIR DIE BEHEER VAN HOUTAGTIGE PLANTE EN ONKRUIDE SOOS AANGETOON IN BOSBOU, GRASWEIDINGS, BEWARINGS- EN NYWERHEIDSGEBIEDE.</b></p>
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HERBICIDE GROUP CODE	O	ONKRUIDDODER GROEPKODE
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### Active Ingredients/ Aktiewe Bestanddele

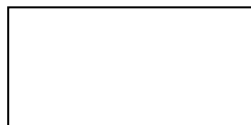
Picloram (Pyridine Compound) ..... 80 g/l (as tri-isopropanolamine salt)	..... Pikloram (Piridienverbinding) (as tri-isopropanolamiensout)
Fluroxypyr (Pyridine Compound) ..... 80 g/l (as methyl heptyl ester)	..... Fluroksipir (Piridienverbinding) (as metiel-heptielester)

**NET VOLUME** ..... **NETTO VOLUME**

**REGISTRATION HOLDER / REGISTRASIEHOUER**  
DOW AGROSCIENCES SOUTHERN AFRICA (PTY) LTD / (EDMS) BPK  
REG NO 1967/007147/07  
PRIVATE BAG X160 PRIVAATSAK  
BRYANSTON 2021

\*Trademark of/ Handelsmerk van Dow AgroSciences

BATCH NO. ....



..... LOT NO.

DATE OF MANUFACTURE .....

.. DATUM VAN VERVAARDIGING

UN NO: 3082

Tygerberg Poison Information Centre: (021) 931-6129  
Griffon Poison Information Centre: +27(0)82-446-8946  
24 Hour Emergency Tel No: (032) 533-0716/082-887-8079  
Information Hotline Tel No: (012) 361-8112

PLENUM\* 160 ME/2014-02-06



**CAUTION  
VERSIGTIG**



## WARNINGS

Poisonous by swallowing.

Concentrate may cause severe irritation to eyes.

May cause 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 soil, 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 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, soyabeans, 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.
- **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 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 sensitive 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 re-establish.
- **Do not move treated soil** to areas other than sites for which **PLENUM\* 160 ME** 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. 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:**

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 amounts. 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 advice.

## **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**

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

### **Mixing**

For foliar applications, half fill the spray tank with water and add the required quantity of **PLENUM 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, 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. 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 3 hours.
- **PLENUM 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, Delavan CE 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.

### C. COMPLETE FRILL

- Using an axe, make horizontal, downward angled cuts through the bark to penetrate but not go deeper than into the sapwood, and immediately apply into every cut, taking care that it is not wasted on the bark. Cuts should be connected and made around the entire circumference of the trunk as close to the soil surface as possible. Re-treat as necessary.
- In the case of trees having multiple stems, treat each stem separately.
- Check for adequate sapflow and bleeding.

### 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
<b><i>Acacia mearnsii</i></b> (Black Wattle)	125 mℓ (0,125 % mixture)	See DIRECTIONS FOR USE above.  Apply to actively growing plants. Apply until the point of run-off.  Plants too high for a good cover spray should be slashed and the regrowth sprayed when not less than 0,5 m high.  In the event of any regrowth after application, a follow-up spray should be carried out.
<b><i>Acacia longifolia</i></b> (Long leaf Wattle)	500 mℓ (0,50 % mixture)	
<b><i>Acacia melanoxylon</i></b> (Blackwood)	500 mℓ (0,50 % mixture)	
<b><i>Acacia saligna</i></b> (Port Jackson)	500 mℓ (0,50 % mixture)	
<b><i>Anredera baselloides</i></b> (Madeira vine)	500 mℓ (0,5 % mixture)	
<b><i>Asclepias fruticosa</i></b> (Shrubby milkbush)	750 mℓ (0,75 % mixture)	
<b><i>Campuloclinium macrocephalum</i></b> (Pom pom weed)	375 mℓ (0,375 % mixture)	
<b><i>Chromolaena odorata</i></b> (Triffid weed)	750 mℓ (0,75 % mixture)	
<b><i>Cirsium vulgare</i></b> (Scotch thistle)	750 mℓ (0,75 % mixture)	
<b><i>Eucalyptus grandis</i></b> (Saligna gum)	500 mℓ (0,5 % mixture)	
<b><i>Lantana camara</i></b> (Lantana)	1,5ℓ (1,5 % mixture)	

PLANT	RATE / 100 ℓ WATER	REMARKS
<b><i>Parthenium hysterophorus</i></b> (Demoina weed)	500 – 750 ml (0,5 – 0,75 % mixtures)	Use the lower rate for plants smaller than 30 cm and the higher rate for bigger plants.
<b><i>Peuraria lobata</i></b> (Kudzu vine)	500 ml (0,5 % mixture)	
<b><i>Psidium guajava</i></b> (Guava)	1,5ℓ (1,5 % mixture)	
<b><i>Robinia pseudoacacia</i></b> (Black Locust)	1,5ℓ (1,5 % mixture)	
<b><i>Rubus cuneifolius</i></b> (American bramble)	750 ml (0,75 % mixture)	
<b><i>Solanum mauritianum</i></b> (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 (2.0% mixture)	<p>See DIRECTIONS FOR USE above.</p> <p>Apply to low cut stumps (10 – 20 cm high) preferably with a single cut surface.</p> <p>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.</p> <p>In the event of some regrowth and depending on the species, a follow-up spray as a coppice application with either CONFRONT 360 SL (Reg. No. L7314 Act No. 36 of 1947), GARLON 480 EC (Reg. No. L4916 Act No. 36 of 1947) or <b>PLENUM 160 ME</b> may be required.</p>
<i>Acacia melanoxylon</i> (Blackwood)	2.0 ℓ (2.0% mixture)	
<i>Acacia saligna</i> (Port Jackson)	2.0 ℓ (2.0% mixture)	
<i>Chromolaena odorata</i> (Triffid weed)	750 ml (0.75% mixture)	
<i>Eucalyptus cladocalyx</i> (Sugar gum)	4.5 ℓ (4.5% mixture)	
<i>Eucalyptus grandis</i> (Saligna gum)	3.0 ℓ (3.0% mixture)	
<i>Eucalyptus sideroxylon</i> (Black Ironbark)	4.5 ℓ (4.5% mixture)	
<i>Eucalyptus smithii</i> (Blackbutt peppermint)	4.5 ℓ (4.5% mixture)	
<i>Lantana camara</i> (Lantana)	1.5 ℓ (1.5% mixture)	
<i>Melia azedarach</i> (Syringa)	1.5 ℓ (1.5% mixture)	
<i>Ricinus communis</i> (Castor Oil Plant)	1.0 ℓ (1.0% mixture)	



## COMPLETE FRILL

NOTE: ACTIPRON SUPER should be added to the spray mixture at a rate of 50 ml /10 litres for all frill applications.

PLANT	RATE / 10 ℓ WATER	REMARKS
<i>Melia azedarach</i> (Syringa)	200 ml (2.0% mixture)	<b>SEE DIRECTIONS FOR USE above.</b> Apply sufficient mixture to fill the frill without unnecessary wastage down the bark.

**PLENUM 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.

- 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.

\*\* ACTIPRON SUPER (Mineral oil), Reg. No. L5506, Act No. 36 of 1947, is the Trademark of H&R GSP (Pty) Ltd.

**24 HOUR EMERGENCY TEL. NO. (032) 533-0716/082-887-8079**

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

## **WAARSKUWINGS**

Giftig indien ingesluk word.

Konsentraat mag ernstige irritasie van oë veroorsaak.

Mag allergiese velreaksie veroorsaak.

Effens giftig vir waterlewendende invertebrata.

Berg in 'n koel plek.

Berg 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 toon hierdie etiket aan hom/haar.

**HERBETREDINGSINTERVAL:** Moenie behandelde area binnegaan voordat die spuitstof op behandelde plante afgedroog het nie, tensy beskermende klere gedra word nie.

### **WEIDINGSBEPERKINGS:**

- Vir die eerste twee weke na toediening moet slagdiere minstens 3 dae voor slag uit behandelde area onttrek word.
- Moenie diere in laktasie vir melkproduksie binne twee weke na behandeling in behandelde area laat wei nie.

**WEI VAN TOKSIESE PLANTE:** Onkruidodder behandeling mag die smaaklikheid van sekere toksiese plante verhoog. Moenie behandelde areas laat beweï voordat toksiese plante dood en dus nie meer smaaklik vir diere is nie.

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 middel 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 of die registrasiehouer in die geval van enige onsekerheid.

## **VOORSORGMATREËLS**

- Dra beskermende handskoene en gesigskerm of veiligheidsbril wanneer die konsentraat hanteer word.
- Moenie dampe of sproeieën inasem nie.
- Was besoedelde klere daaglik.
- Was onmiddellik met seep en water indien per ongeluk met die vel in aanraking kom. Vermy aanraking met die oë. In geval van oogkontak, spoel oë met skoon water.
- Moenie eet, drink of rook tydens vermenging en toediening en alvorens hande en gesig gewas en skoon klere aangetrek is nie.
- Verhoed spuitstof wegdrywing na ander gewasse, weidings, riviere, damme of enige gebied wat nie behandel word nie.
- Maak spuittoerusting met 'n 1 % huishoudelike ammoniakoplossing skoon voordat ander plaagdoders daarmee gebruik word. Laat staan die oplossing in die spuittenk vir 'n paar uur, maar verkieslik oornag. Spoel ten minste twee keer met skoon water uit. Hierdie spuittoerusting behoort nie gebruik te word vir die toediening van enige ander chemikalieë nie, behalwe onkruidodders. Gooi waswater weg waar dit nie voedsel, weiding, riviere of 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.

## **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, sojabone, sonneblomme, tabak, tamaties, katoen, vrugteboom, wingerdstokke, sierplante, gronde waarin wortels van die plante voorkom, grond waarin die plante verbou gaan word, jong graangewasse in vatbare groeistadium, weidings of enige ander area wat nie behandel gaan word nie.
- **Moenie water vir besproeiing of huishoudelike gebruik besoedel nie.** Om beskadiging van gewasse of ander gewensde 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 besproeiings sisteme afgevoer word nie.
- **Moenie onder toestande wat die beweging van die onkruidoder uit behandelde areas bevorder, toedien nie.**
- **Moenie areas behandel wat moontlik met enige breëblaar gewas groter 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 onkruidoder 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 picloram 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 behandelde grond** na areas anders as gronde waarop die gebruik van **PLENUM\* 160 ME** geregistreer is, verskuif 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 VERGIFTIGING:**

Daar is geen spesifieke tekens van vergiftiging nie. Die konsentraat mag ernstige oog irritasie veroorsaak. Verlengde en aanhoudende velkontak mag allergiese reaksies in sommige individue veroorsaak. Skadelike effekte van die opneming van klein hoeveelhede is nie verwag nie. Lang blootstelling aan dampe sal nie noodwendig gevaarlik wees nie.

### **NOODHULPBEHANDELING:**

**Oë:** Spoel uit met skoon lopende water vir 30 minute. Verkry mediese advies.

**Vel:** Verwyder die besoedelde klere. Spoel besmette liggaamsdele deeglik met skoon lopende water.

**Indien ingesluk:** In geval van toevallige inname, gee een of twee glase water of melk om te drink - moet nie die persoon laat braak nie. Nul per mond vir 'n bewustelose persoon. Verkry mediese advies.

**Indien ingeasem:** Verwyder die persoon na 'n plek met vars lug. Verkry mediese advies.

### **NOTA AAN GENEESHEER:**

Geen spesifieke teenmiddel. Behandeling simptome. Indien maagspoeling gedoen moet word, word endotracheale en/of esofagoskopie aanbeveel.

Mengbaarheid

**PLENUM 160 ME** is mengbaar met ACTIPRON SUPER\*\*.

### **Vermenging**

Vir looftoediening vul die spuittenk halfvol met water en voeg die benodigde hoeveelheid **PLENUM 160 ME** 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 dekbepuiting op loof en stamme tot die punt van spuitstof afloop.
- Moet nie toegedien word wanneer blare nat is as gevolg van reën of dou ens.nie.
- Vermy spuitstofwegdrywing op nie-teiken plante.
- Vermy fyn druppelgroottes. Gebruik 'n rugsakspuit wat toegerus is met soliede keelspuitstukke (bv. Spraying Systems TG-1, Delavan CE 1 of soortgelyke spuitstukke) wat egalige benatting sal verseker. Handhaaf 'n konstante druk van 200 – 250 kPa. Handhaaf 'n afstand van ongeveer 50 cm van die teiken vir gewenste benatting.
- Na toediening sal reën 3 ure na toediening geen invloed op die effektiwiteit hê nie, indien die spuitstof op die teiken plant gedroog het.
- Verhoed spuitingstofwegdrywing na gewenste plante.

#### **B. GEKAPTE STOMPESPUITING**

- Dien toe verkieslik onmiddellik na afkap maar definitief binne 3 uur.
- **PLENUM 160 ME** moet nie toegedien word op stompe indien hulle nat is weens reën of dou nie.
- Dien toe as 'n growwe spuit deur gebruik van soliede keelspuitstukke (bv. Spraying Systems TG-1, Delavan CE 1 of soortgelyke spuitstukke) en handhaaf 'n druk van 100 kPa, (lae druk).
- 'n Spuithoogte van 20 cm bokant die teiken moet nie oorskry word nie. Indien die windspoed hoër is as 15 km/u (soos bepaal deur 'n handwindmeter) moet die produk nie toegedien word nie. Die verskil tussen die nat- en droëbollesing, soos met 'n swaaihygrometer bepaal moet nie meer as 8 °C wees nie.
- Dien toe volgens aanwysings vir stompe en gekapte stompbespuiting in tabel hieronder.

## C. RINGULERINGSMETODE

- Maak horisontale, skuins kapwonde met 'n byl net deur die bas tot net in die splinthout van die boom. Dien in elke kapwond toe. Sorg dat die spuitoplossing nie op die bas gemors word nie. Die kapwonde moet aaneenlopend om die volle omtrek van die stam, so laag as moontlik aan die grondoppervlakte, gemaak word. Herbehandel indien nodig.
- In die geval van veelvuldige stamme moet elke stam afsonderlik behandel word.
- Maak seker dat die sapvloeï voldoende maar nie oormatig is nie.

### Waarskuwing:

As alle bogroei doodgemaak is, maar hergroei kom vanaf die kroon voor, dien 'n geregistreerde onkruidoder vir die relevante spesies aan as 'n loofbespuiting toe.

## DOSIS EN METODES

### LOOFTOEDIENNING

OPMERKING: ACTIPRON SUPER, moet ten alle tye vir alle loofbespuitings bygevoeg word teen 500 ml / 100 liter finale spuitmengsel.

PLANTSOORT	DOSIS / 100 ℓ WATER	OPMERKINGS
<b><i>Acacia mearnsii</i></b> (Swartwattel)	125 ml (0.125 % mengsel)	Sien GEBRUIKSAANWYSINGS hierbo.  Dien toe op jong aktief groeiende plante tot die punt van afloop.  Plante te hoog vir goeie spuitbedekking moet eers gekap word. Die hergroei word gespuit wanneer dit nie minder as 0,5 m hoog is nie.  In die geval van enige hergroei na bespuiting, moet 'n opvolg bespuiting toegedien word.
<b><i>Acacia longifolia</i></b> (Langblaarwattel)	500 ml (0.50 % mengsel)	
<b><i>Acacia melanoxylon</i></b> (Swarthout)	500 ml (0.50 % mengsel)	
<b><i>Acacia saligna</i></b> (Port Jackson)	500 ml (0.50 % mengsel)	

PLANTSOORT	DOSIS / 100 ℓ WATER	OPMERKINGS
<b><i>Asclepias fruticosa</i></b> (Melkbos)	750 ml (0,75 % mengsel)	
<b><i>Anredera baselloides</i></b> (Madeira vine)	500 ml (0,5 % mengsel)	
<b><i>Campuloclinium macrocephalum</i></b> (Pom pom onkruid)	375 ml (0,375 % mengsel)	
<b><i>Chromolaena odorata</i></b> ( Paraffienbos)	750 ml (0,75 % mengsel)	
<b><i>Cirsium vulgare</i></b> (Skotsedissel)	750 ml (0,75 % mengsel)	
<b><i>Eucalyptus grandis</i></b> (Salignabloekom)	500 ml (0,5 % mengsel)	
<b><i>Lantana camara</i></b> (Lantana)	1,5ℓ 1,5 % mengsel)	
<b><i>Parthenium hysterophorus</i></b> (Demoina bossie)	500 – 750 ml (0,5 – 0,75% mengsel)	Gebruik die laer dosis vir plante onder 30 cm hoog en die hoër dosis vir groter plante.
<b><i>Peuraria lobata</i></b> (Kudzu)	500 ml (0,5 % mengsel)	
<b><i>Psidium guajava</i></b> (Guava)	1,5ℓ 1,5 % mengsel)	
<b><i>Robinia pseudoacacia</i></b> (Witakasia)	1,5ℓ 1,5 % mengsel)	
<b><i>Rubus cuneifolius</i></b> (Amerikaanse braam)	750 ml (0.75 % mengsel)	
<b><i>Solanum mauritianum</i></b> (Luisboom)	250 ml (0,25 % mengsel)	

## GEKAPTE STOMPESPUITING

OPMERKING: ACTIPRON SUPER, moet ten alle tye vir alle stompbespuitings bygevoeg word teen 500 ml/100 liter finale spuitmengsel.

PLANTSOORTE	DOSIS / 100 ℓ WATER	OPMERKINGS
<i>Acacia mearnsii</i> (Swartwattel)	2.0 ℓ (2.0% mengsel)	<p>Sien GEBRUIKSAANWYSINGS hierbo.</p> <p>Dien toe op laag gekapte stompe (10 – 20 cm hoog) verkieslik met 'n enkele gekapte oppervlakte. Dien toe op die hele gekapte oppervlakte en wortelkroon vir stompe met 'n deursnee van minder as 10 cm. Waar veelvoudige stompe teenwoordig is, moet alle gekapte oppervlakte behandel word.</p> <p>Vir groter stompe, dien toe op die kambium gedeelte (splinthout) en wortelkroon. In alle gevalle, dien toe tot die punt van afloop.</p> <p>In die geval van hergroei mag 'n opvolgbespuiting, afhangend van die spesie, met of CONFRONT 160 SL (Reg. Nr. L7314 Wet Nr. 36 van 1947), GARLON 480 EC (Reg. Nr. L4916 Wet Nr. 36 van 1947) of <b>PLENUM 160 ME</b> benodig word.</p>
<i>Acacia melanoxylon</i> (Swarthout)	2.0 ℓ (2.0% mengsel)	
<i>Acacia saligna</i> (Port Jackson)	2.0 ℓ (2.0% mengsel)	
<i>Chromolaena odorata</i> (Paraffienbos)	750 ml (0.75% mengsel)	
<i>Eucalyptus cladocalyx</i> (Suikerbloekom)	4.5 ℓ (4.5% mengsel)	
<i>Eucalyptus grandis</i> (Salignabloekom)	3.0 ℓ (3.0% mengsel)	
<i>Eucalyptus sideroxylon</i> (Swartysterbasbloekom)	4.5 ℓ (4.5% mengsel)	
<i>Eucalyptus smithii</i> (Swartstampeperment)	4.5 ℓ (4.5% mengsel)	
<i>Melia azederach</i> (Sering)	1.5 ℓ (1.5% mengsel)	
<i>Lantana camara</i> (Lantana)	1.5 ℓ (1.5% mengsel)	
<i>Ricinus communis</i> (Kastorolie plant)	1.0 ℓ (1.0% mengsel)	



## RINGULERINGSMETODE

OPMERKING: ACTIPRON SUPER, moet ten alle tye vir alle ringuleringstoedienings bygevoeg word teen 50 ml/10 liter finale spuitmengsel.

PLANTSOORT	DOSIS / 10 ℓ WATER	OPMERKINGS
<i>Melia azedarach</i> (Sering)	200 ml (2.0% mengsel)	<b>Sien GEBRUIKSAANWYSINGS hierbo.</b> Dien genoegsame mengsel toe om slegs die ringuleringswond te vul sonder oormatige oorloop op die bas.

**PLENUM 160 ME** beheer bome en struike. Ander bome en struike 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 ongelyste bome en struike 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.

\*\* ACTIPRON SUPER (mineraal olie) (Reg. Nr. L5506, Wet Nr. 36 van 1947), is die handelsmerk van H&R GSP (Edms) Bpk.

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