

# Turbodor

## 29 mpa

Reg. No./Nr. L10365 Act/Wet 36/1947

A ready-to-use, low volume, systemic herbicide for the selective control of problem plants as listed in conservation, grass pastures, forestry and industrial areas.

'n Gereed om te gebruik, lae volume, sistemiese onkruidodder vir die selektiewe beheer van houtagtige plante en onkruidе soos aangetoon in bosbou, grasweidings, bewarings areas en nywerheids gebiede.

HERBICIDE GROUP CODE	0	ONKRUIDDODER GROEPKODE
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### ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

Triclopyr (Pyridyloxy Compound) (acid equivalent) (as butoxy ethyl ester)	29g/l 40g/l	Triklopir (Piridiloksie verbinding) (suurekwivalent) (as butoksie-etieslester)
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NET VOLUME

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NETTO VOLUME

#### REGISTRATION HOLDER/REGISTRASIE HOUER:

Future Farm & Forest  
Services & Supplies (Pty) Ltd.  
Reg. 1998/014639/07  
P.O. Box 98165  
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UN NUMBER	3082	UNNUMMER
BATCH NUMBER		LOTNUMMER
DATE OF MANUFACTURE		DATUM VAN VERVAARDIGING



## WARNINGS

- Carrier may cause temporary burn to grass.
- Handle with care.
- Poisonous when swallowed. May cause eye and skin irritation.
- Store in a cool place.
- Store away from food, feeds, seeds and other agricultural chemicals.
- Keep out of reach of children, uninformed persons and animals.
- Wear protective gloves and face shield or safety glasses when handling.

**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 such factors as abnormal soil, climatic and storage conditions, compatibility with other substances not indicated on the label and the occurrence of resistance of the weed 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, and the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.**

## PRECAUTIONS

- Do not inhale spray mist.
- Avoid contact with eyes. In case of such contact, flush eyes with clean water for at least 15 minutes.
- Wash with soap and water immediately after accidental skin contact.
- Wash contaminated clothing daily.
- Do not eat, drink or smoke whilst mixing and applying or before washing hands and face and change of clothing.
- Clean applicator with a household ammonia solution (1%) before using with other material. Let solution stand for several hours, preferably overnight.
- Rinse applicator at least twice with clean water.
- This applicator must not be used for applying chemicals other than herbicides.
- Dispose of wash water where it will not contaminate food, grazing, rivers or dams.
- Prevent contamination of food, feeds, drinking water and eating utensils.

## 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.
- Treat symptomatically.

## USE RESTRICTIONS

### Precautions for avoiding injury to non-target plants are:

- **Do not permit spray mist to drift** or come into contact with sensitive broadleaf crops, including but not limited to lucerne, beans, melons, potatoes, soybeans, 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 vapor 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 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 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 apply through a mist blower.**
- **Do not apply to land NEAR desirable broadleaved plants** or land onto which such plants are to be grown or grain varieties in a susceptible stage of growth. Product 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.

#### **DIRECTIONS FOR USE - USE ONLY AS DIRECTED**

##### **MIXING**

- A **ready-to-use** herbicide.
- Apply as supplied.
- **DO NOT** mix or dilute product.

##### **RECOMMENDED APPLICATION EQUIPMENT**

- Apply using a Knapsack **Sprayer with a suitable lance.**
- For **Basal Bark and Cut Stump treatment** apply a coarse, low-pressure spray using narrow angle solid cone nozzle.
- For **Low Volume Full Cover Spray** (Cacti species) & **Low Volume Full Cover Foliar Spray treatment** (*Leptospermum laevigatum*) use a knapsack sprayer with a solid cone nozzle (Spraying Systems TG1 or equivalent). Maintain a constant pressure of between 200 and 300 kPa.

##### **TIMING OF APPLICATION**

###### **(A) BASAL BARK TREATMENT**

- Apply **Turbodor 29 MPA** on actively growing plants and when soil moisture is favorable to plant growth.
- Spray only on healthy and vigorously growing plants.
- Do not apply to stems wet from rain, dew or snow.
- Do not spray following a late frost.
- Deciduous plants may drop their leaves when under stress.
- Do not spray target plants when drought signs are evident or plants are showing signs of stress.

###### **(B) CUT STUMP TREATMENT**

- **Turbodor 29 MPA** is suitable for both **SUMMER & WINTER** cut stump application.
- Apply as soon as possible after felling, at least within 1 hour.
- **Turbodor 29 MPA** must not be applied to stumps if surface is wet from rain, dew or snow.

###### **(C) LOW VOLUME FULL COVER SPRAY TREATMENT (Cacti species)**

- Apply **Turbodor 29 MPA** only on actively growing plants and when soil moisture is favorable for plant growth.
- Spray only on healthy and vigorously growing plants.
- Do not apply to cladodes or stems wet from rain, dew or snow.
- Do not spray target plants when drought signs are evident or showing signs of stress.
- 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 cover spray treatments. Should full cover spray treatments be applied during this recovery period, provision must be made for follow-up treatments.

###### **(D) LOW VOLUME FULL COVER FOLIAR SPRAY TREATMENT**

(*Leptospermum laevigatum*)

- Apply **Turbodor 29 MPA** only on actively growing plants and when soil moisture is favorable for plant growth.
- Spray only on healthy and vigorously growing plants.
- Do not apply to foliage wet from rain, dew or snow.
- Do not spray target plants when drought signs are evident or showing signs of stress.
- 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 cover spray treatments. Should full cover spray treatments be applied during this recovery period, provision must be made for follow-up treatments.

## METHODS OF APPLICATION

### (A) BASAL BARK TREATMENT

- **Turbodor 29 MPA** must not be applied to stems if surface is wet from rain, dew or snow.
- Apply by knapsack as a coarse, low-pressure spray using narrow angle solid cone nozzle.
- Apply all around the basal stem or trunk of the woody plant from a height of 50 cm (knee height) down to soil level. As well as to any exposed roots.
- In order to obtain satisfactory results entire circumference area must be treated.
- Spray with nozzle at a distance from stem so as to maximize stem wetting and to minimize off target spraying and waste.
- In the case of multi-stemmed plants, each stem must be treated separately.
- Apply **Turbodor 29 MPA** as Basal Bark Treatment according to directions as per species listed in the table below.

### (B) CUT STUMP TREATMENT

- **Turbodor 29 MPA** must not be applied to cut stumps if surface is wet from rain, dew or snow. Stump cutting must not be performed when wetting of stem is expected shortly before cutting operation.
- Apply as soon as possible after felling (within 1 hour).
- Apply by knapsack as a coarse, low-pressure spray using narrow angle solid cone nozzle.
- Wet top and sides of cut stump and any exposed roots down to soil level
- In the case of multi-stemmed plants, each stump must be treated separately.
- Spray nozzle height must be approximately 20 cm from target.
- Apply **Turbodor 29 MPA** as Cut Stump Treatment according to directions as per species listed in the table below.

### (C) LOW VOLUME FULL COVER SPRAY TREATMENT (Cacti species)

- **Use only on actively growing plants.**
- Apply to cladodes and stems as a **low volume full cover spray**.
- Use a sufficient volume of the spray mix to ensure a light, full and even coverage of Cacti plants stem and cladodes.
- Irrigation or rainfall shortly after application may negatively influence results.
- Do not apply to plants wet from rain, dew or snow.
- Avoid spray drift from contaminating susceptible non-target plants.
- Use a knapsack sprayer with a solid cone nozzle (Spraying Systems TG1 or equivalent). Maintain a constant pressure of between 200 and 300 kPa.
- Maintain a distance of approximately 20-30 cm from the target for best coverage.
- The objective of a **LOW VOLUME FULL COVER SPRAY** on Cacti species is a fine low volume application covering the entire stem and all cladodes, including cladodes lying on the ground.
- **ENSURE ALL CLADODES LYING ON THE GROUND ARE FULLY TREATED.**
- Cladodes that may have been accidentally untreated will regenerate if they make contact with the ground in the process of the plant decomposition!!! It is therefore very important to plan and execute follow up treatments.
- Apply **Turbodor 29 MPA** as **Low Volume Full Cover Spray** according to directions as per species listed in the table below.

### (D) LOW VOLUME FULL COVER FOLIAR SPRAY TREATMENT

#### *(Leptospermum laevigatum)*

- **Use only on actively growing plants.**
- On *Leptospermum laevigatum* apply to foliage as a **Low Volume Full Cover Foliar Spray**.
- Use a sufficient volume of the spray mix to ensure a light, full and even coverage of all foliage.
- Irrigation or rainfall shortly after application may negatively influence results.
- Do not apply to plants wet from rain, dew or snow.
- Avoid spray drift from contaminating susceptible non-target plants.
- Use a knapsack sprayer with a solid cone nozzle (Spraying Systems TG1 or equivalent). Maintain a constant pressure of between 200 and 300 kPa.
- Maintain a distance of approximately 20-30 cm from the target for best coverage.
- The objective of a **LOW VOLUME FULL COVER FOLIAR SPRAY** on *Leptospermum laevigatum* is a fine, low volume, application covering all foliage.
- Apply **Turbodor 29 MPA** as **Low Volume Full Cover Foliar Spray** according to directions as per species listed in the table below.

**RATES OF APPLICATION**  
**(A) BASAL BARK TREATMENT**

TREE / BUSH / SHRUB SPECIE	RATE	REMARKS
<p><i>Prosopis spp.</i> (Mesquite)</p> <p><i>Acacia mearnsii</i> (Black Wattle)</p> <p><i>Acacia melanoxylon</i> (Blackwood)</p> <p><i>Acacia saligna</i> (Port Jackson)</p> <p><i>Psidium guajava</i> (Guava)</p>	<p>Ready-To-Use. Apply as supplied.</p>	<p><b>Do not</b> apply to stems if surface is wet from rain, dew or snow.  <b>Apply by</b> knapsack as a coarse, low-pressure spray using narrow angle solid cone nozzle.  <b>Apply all</b> around the basal stem or trunk of the woody plant from a height of 50 cm (knee height) down to soil level. As well as to any exposed roots.  <b>In order</b> to obtain satisfactory results the entire circumference of target area must be treated.  <b>Spray with</b> nozzle at a distance from stem so as to maximize stem wetting and to minimize off target spraying and waste.  <b>In the case</b> of multi-stemmed plants, each stem must be treated separately.  <b>Insect Activity:</b>  It has been commonly observed in basal bark treatment, that insects such as borer beetles and termites become active in attacking the treated areas of the target trees.  The insects are unharmed and play an important role in natural biological decomposition.  <b>Saprophyte Activity:</b>  It has also been observed that treated areas are subject to Saprophyte activity e.g. Bracket fungi</p>

**(B) CUT STUMP TREATMENT**

TREE / BUSH / SHRUB SPECIE	RATE	REMARKS
<p><i>Prosopis spp.</i> (Mesquite)</p> <p><i>Acacia mearnsii</i> (Black Wattle)</p> <p><i>Acacia melanoxylon</i> (Blackwood)</p> <p><i>Acacia saligna</i> (Port Jackson)</p> <p><i>Litsea glutinosa</i> (Indian laurel)</p> <p><i>Psidium guajava</i> (Guava)</p>	<p>Ready-To-Use. Apply as supplied.</p>	<p><b>Must not</b> be applied to cut stumps if surface is wet from rain, dew or snow.  <b>Stump cutting</b> must not be performed when wetting of stem is expected shortly before operation.  <b>Apply as</b> soon as possible after felling (within 1 hour).  <b>Apply by</b> knapsack as a coarse, low-pressure spray using narrow angle solid cone nozzle (Spraying Systems TG1 or equivalent).  <b>Wet top and sides</b> of cut stump and any exposed roots down to soil level.  <b>In the case</b> of multi-stemmed plants, each stump must be treated separately.  <b>Spray nozzle</b> height must be approximately 20 cm from target.  <b>Insect Activity:</b>  It has been commonly observed in cut stump treatment, that insects such as borer beetles and termites become active in attacking the treated areas of the target trees.  The insects are unharmed and play an important role in natural biological decomposition.  <b>Saprophyte Activity:</b>  It has also been observed that treated areas are subject to Saprophyte activity e.g. Bracket fungi</p>

**(C) LOW VOLUME FULL COVER SPRAY TREATMENT (Cacti species)**

CACTI SPECIE	RATE	REMARKS
<i>Opuntia aurantiaca</i> (Jointed Cactus)	Ready-To-Use. Apply as supplied.	<b>Use only on actively growing plants.</b> <b>Apply to</b> cladodes and stems as a low volume full cover spray. <b>Use sufficient</b> volume of the spray mix to ensure a light full and even coverage of target plant. <b>Irrigation or rainfall</b> shortly after application may negatively influence results. <b>Do not</b> apply to wet plants. <b>Avoid spray</b> drift from contaminating susceptible non-target plants.
<i>Cylindropuntia fulgida</i> (Boxing Glove Cactus)		<b>Use</b> a knapsack sprayer with a solid cone nozzle (Spraying Systems TG1 or equivalent). Maintain a constant pressure of between 200 and 300 kPa. <b>Maintain</b> a distance of approximately 20-30 cm from the target for best coverage.
<i>Opuntia humifusa</i> (Creeping Prickly Pear)		<b>The objective</b> of a <b>LOW VOLUME FULL COVER SPRAY</b> on Cacti species is a fine low spray covering entire stem and all cladodes, including cladodes lying on the ground.
<i>Opuntia imbricata</i> (Imbricate Prickly Pear)		<b>Cladodes that</b> may have been accidentally untreated will regenerate if they make contact with the ground in the process of the plant decomposition!!! It is therefore very important to plan and execute follow up treatments.
<i>Opuntia stricta</i> (Australian Pest Pear)		<b>ENSURE ALL CLADODES LYING ON THE GROUND ARE TREATED.</b> <b>FOLLOW UP TREATMENT MAY BE REQUIRED WHERE DENSE STANDS OF ADULT PLANTS SHIELDED YOUNG PLANTS AND CLADODES ON THE GROUND DURING INITIAL APPLICATION.</b>
<i>Opuntia monacantha</i> (Drooping Prickly Pear)		
<i>Echinopsis schickendantzii</i> (Torch Cactus)		
<i>Tephrocactus articulatus</i> (Paper Spine Cholla)		
<i>Agave sisalana</i> (Sisal)		
<i>Agave Americana</i> (American Sisal)		

**(D) LOW VOLUME FULL COVER FOLIAR SPRAY TREATMENT**

TREE / BUSH / SHRUB SPECIE	RATE	REMARKS
<i>Leptospermum laevigatum</i> (Australian Myrtle)	Ready-To-Use. Apply as supplied.	<b>Use only on actively growing plants less than 1.5 meters high or at a height which is suitable for a complete light overall spray.</b> <b>Apply to</b> foliage as a <b>low volume full cover foliar spray.</b> <b>Use sufficient</b> volume of the spray mix to ensure a light full and even coverage of target plants foliage. <b>Irrigation or rainfall</b> shortly after application may negatively influence results. <b>Do not</b> apply to wet plants. <b>Avoid spray</b> drift from contaminating susceptible non-target plants. <b>Use</b> a knapsack sprayer with a solid cone nozzle (Spraying Systems TG1 or equivalent). Maintain a constant pressure of between 200 and 300 kPa. <b>Maintain</b> a distance of approximately 20-30 cm from the target for best coverage. The objective of a <b>LOW VOLUME FULL COVER SPRAY</b> on <i>Leptospermum laevigatum</i> is a fine low volume application covering all foliage.

Other trees and shrubs that are not yet registered on this label may also be controlled.  
The registration holder does not accept responsibility for any off-label usage.

**Griffon Poison Info Centre: 082 446 8946 • INFORMATION HOTLINE: TEL. NO.: (011) 463-6057**

## WAARSKUWINGS

- Onkruidodder mag veroorsaak dat gras tydelik geskroei word.
- Hanteer versigtig.
- Giftig indien dit ingesluk word. Mag dalk irritasie van vel en oë veroorsaak.
- Bere in koel droë plek weg van direkte sonlig.
- Bere apart en weg van voedsel, voer, saad en ander landbou middels.
- Bere buite bereik vanaf kinders, oningeligte persone en diere.
- Dra beskermende kiere, veiligheids handskoene en brille wanneer die produk hanteer 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 bergings toestande, 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 etiket aanwysings van die betrokke middel na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Konsulteer met die verskaffer ingeval van enige onsekerheid.**

## VOORSORGMATREELS

- Moenie sproeiëreën inasem nie.
- Vermo kontak met oë. In geval van kontak met oë, spoel oë met skoon water vir te minste 15 minute.
- Was onmiddelik met seep en water indien die produk per ongeluk met die vel in aanraking kom.
- Was besoedelde kiere daaglik.
- Moenie eet, drink of rook tydens vermenging en toediening en alvorens hande en gesig gewas en skoon kiere aangetrek is nie na die aanwending van die produk.
- Was spuit toerusting uit met 'n huishoudelike ammonia oplossing (1%) voor dit hergebruik word met 'n ander onkruidodder. Laat die oplossing vir 'n paar uur staan, verkielik oornag.
- Spoel die toerusting te minste twee keur uit met skoon water.
- Die spuit toerusting moet slegs gebruik word vir die aanwending van onkruidodder en nie andere middele nie.
- Gooi die was- en spoelwater uit waar dit nie voedselwre, gewasse, weiding, riviere en damme sal besoedel nie.
- Voorkom besoedeling van voedselwre, voer, drinkwater en eetgerei.

## SIMPTOME VAN MENSLIKE VERGIFTIGING

- Die produk kan vel irritasie en sensitiwiteit veroorsaak.

## NOODHULPEBEHANDLING

- **Inaseming:** Verwyder pasiënt na vars lug. Ontbied 'n geneesheer.
- **Inname:** Moet nie braking teweeg bring nie. Ontbied 'n geneesheer onmiddelik.
- **Oogkontak:** Spoel onmiddelik met skoon water vir ten minste 5 minute uit.
- **Velkontak:** Was die vel onmiddelik met seep en baie water. Verwyder en was besoedelde kiere.

## NOTA AAN GENEESHEER

- Geen spesifieke teenmiddel nie. Indien braking nodig is, is endotracheale en/of oesofageale beheer raadsaam.
- Behandeling is simptomaties.

## GEBRUIKSBEPERKINGS

**Maatreels om beskadiging van nie teiken plante te voorkom is soos volg:**

- **Voorkom dat spuitnewel weddryf** of in kontak kom met sensitiewe breekbaar gewasse, insluitend, maar nie beperk tot: lusern, bone, waatlemoene, aartappels, soyabone, sonneblomme, tabak, tamaties, katoen, vrugtebome, wingerstokke, sierplante, gronde waarin wortels van die plante voorkom, grond waarin die plante verbou gaan word, jong graan gewasse in vatbare groei stadium, weidings of enige ander area wat nie behandel gaan word nie.
- **Verhoogde omgewings temperatuur** mag die vlugtigheid en potensiaal vir dampdrywing verhoog en daardeur die risiko vir nie-teiken beskadiging van sensitiewe breekbaar gewasse, insluitend, maar nie beperk tot druive en tamaties.
- **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 die bodem van besproeiingsvore, kanale, strome, damme of 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 areas behandel** wat moontlik met enige breekbaar gewas geroteer gaan word nie.
- **Moenie die mis** van diere wat op behandelde areas gewei het vir lande waarop 'n breekbaar gewas, sierplante, boorde of enige ander

valbare gewas gevestig gaan word, gebruik nie. Mis mag genoeg onkruidodder nog bevat om skade te veroorsaak op gevoelige gewasse.

- **Moenie gras of gespuite plante** uit behandelde areas vir kompostering of deklaag by gevoelige breekbaar plante of gewasse gebruik nie.
- **Moenie lewendende hawe** van behandelde weidingsareas (of wat op behandelde gras gevoed het) na areas van gevoelige breekbaar gewasse oorplaas, alvorens hulle vir 7 dae op onbehandelde grasweidings gewei het nie. Urine en of mis van sulke diere mag voldoende onkruidodder bevat om gevoelige breekbaar plante te beskadig.
- **Moenie op lande** of veld wat vloedsbesproei word gebruik nie.
- **Moenie met 'n newelspuit** (misblaser) toedien nie.
- Moenie op grond wat NABY gewenste breekbaar plante of grond waarop sulke plante groei, of graan gewasse wat in 'n 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.

#### GEBRUIKSAANWYSINGS - GEBRUIK SLEGS SOOS AANGEDUI

##### MENG

- 'n Gereed om te gebruik onkruidodder.
- Spuit die produk soos wat voorsien is.
- **MOET NIE** die produk verdun of meng nie.

#### VOORGESTELDE SPUIT TOERUSTING

- Wend aan met 'n **rugsakspuit toegerus met 'n geskikte spuitstuk**.
- **Vir Basale Bas en Gekapte Stomp Behandeling** wend aan met 'n growwe lae druk spuit en gebruik 'n nouhoekige soliede keelspuitstuk (Spraying Systems TG1 of ekwivalent).
- **Vir Lae Volume Volle Dekking Behandeling** (Kaktus spesies) en **Lae Volume Volle Dekking Blaas Behandeling** (*Leptospermum laevigatum*) gebruik 'n rugsak spuit met 'n soliede keel spuitstuk (Spraying Systems TG1 of ekwivalent). Handhaaf 'n konstante druk van tussen 200 en 300 kPa.

#### TYDS BEREKENING VAN AANWENDING

##### (A) BASALE BAS BEHANDELING

- Wend **Turbodor 29 MPA** aan op aktief groeiende plante waarvan die grondvog inhoud wenslik is vir aktiewe groei.
- Spuit slegs op gesonde plante wat aktief groei.
- Moenie aanwend op basale bas wat nat is van reën, dou of sneeu nie.
- Moenie aanwend na 'n laat tyd nie.
- Bladwisselende bome mag hulle blare onder stremming verloor.
- Moet nie aanwend as teiken plante enige droogtetekens of tekens van stremming wys nie.

##### (B) GEKAPTE STOMP BEHANDELING

- **Turbodor 29 MPA** is bruikbaar beide in die **SOMER & WINTER** vir gekapte stomp toediening.
- Wend aan so gou as moontlik nadat boom gekap is, of ten minste binne die eerste uur.
- Turbodor 29 MPA moet nie toegedien word op stompe indien hulle nat is weens reën, dou of sneeu nie.

##### (C) LAE VOLUME VOLLE DEKKING SPUIT BEHANDELING (Kaktus spesies)

- Wend **Turbodor 29 MPA** aan op aktief groeiende plante wanneer die grondvog inhoud wenslik is vir aktiewe groei.
- Spuit slegs op gesonde plante wat aktief groei.
- Moenie toedien op kladdende en stamme wat nat is van reën, dou of sneeu nie.
- Moenie aanwend op teiken plante wat simptome van droogte of stremming toon nie.
- Na reën, in die opvolg van 'n droogte, sal seker spesies steeds vir 'n tydperk onder stress verkeer en moet dus eers toegelaat word om te herstel alvorens volle dekking spuit toedienings aangewend word, selfs al is stress-simptome nie oor die tydperk opsigtelik nie. Indien volle dekking spuit toedienings wel gedoen word gedurende die tyd, moet daar vir opvolgbespuitings voorsiening gemaak word.

##### (D) LAE VOLUME VOLLE DEKKING BLAAS SPUIT BEHANDELING

###### (*Leptospermum laevigatum*)

- Wend **Turbodor 29 MPA** aan op aktief groeiende plante wanneer die grondvog inhoud wenslik is vir aktiewe groei.
- Spuit slegs op gesonde plante wat aktief groei.
- Moenie toedien op blare wat nat is van reën, dou of sneeu nie.
- Moenie aanwend op teiken plante wat simptome van droogte of stremming toon nie.
- Na reën, in die opvolg van 'n droogte, sal seker spesies steeds vir 'n tydperk onder stress verkeer en moet dus eers toegelaat word om te herstel alvorens volle dekking spuit toedienings aangewend word, selfs al is stress-simptome nie oor die tydperk opsigtelik nie. Indien volle dekking spuit toedienings wel gedoen word gedurende die tyd, moet daar vir opvolgbespuitings voorsiening gemaak word.



## METODES VAN TOEDIENING

### (A) BASALE BAS BEHANDELING

- **Turbodor 29 MPA** moet nie aangewend word nie op plante wat nat is van reën, dou of sneeu nie.
- Wend aan met 'n rugsakspuit toegerus met spuitstuk en nouhoekige soliede keelspuitstuk (Spraying Systems TG1 of ekwivalent).
- Dien toe op die basale bas en stam van houtagtige plante reg rondom, vanaf 50cm tot grondvlak, asook enige ontblote wortels.
- Om effektiewe resultate te verkry moet die totale omtrek van die teiken plant se basale bas behandel word.
- Spuit met die spuitstuk met 'n afstand van die basale bas sodat benutting gemaksimeer word en die mors van produk geminimeer word (20-30cm).
- Ingeval van meer tallige stamme op 'n plant moet elke stam individueel behandel word.
- Dien **Turbodor 29 MPA** as Basale Bas Behandeling toe volgens die riglyne soos getoon per spesie gelys in die table onder.

### (B) GEKAPTE STOMP BEHANDELING

- **Turbodor 29 MPA** moet nie toegedien word nie op stompe indien hulle nat is weens reën, dou of sneeu nie. Moenie stamme kap as weerstoestande gaan veroorsaak dat die stamme nat gaan wees net voor kap werk.
- Wend aan so gou as moontlik aan die stomp nadat die boom gekap is (binne 1 uur).
- Gebruik 'n rugsakspuit met 'n growwe soliede keel spuitstuk.
- Benat die bokant en sykante van die gekapte stomp asook enige sigbare wortels, tot op die grondvlak.
- Ingeval van meervoudige stamme moet elke stomp individueel behandel word.
- Die spuit keel stuk moet 20cm van die teiken af wees.
- Dien **Turbodor 29 MPA** as Gekapte Stomp Behandeling toe volgens die riglyne soos getoon per spesie gelys in die table onder.

### (C) LAE VOLUME VOLLE DEKKING SPUIT BEHANDELING (Kaktus spesies)

- **Gebruik slegs op aktief groeiende plante.**
- Wend aan op kladdodes en stamme as 'n **Lae Volume Volle Bedekking Behandeling**.
- Gebruik genoegsame volume van die spuit mengsel om 'n ligte volle bedekking op die kladdodes en stamme teiken plant te kry.
- Besproeiing of reïnval kort na die behandeling kan negatiewe resultate tot gevolg hê.
- Moet nie op plante aangewend word nie wat nat is van reën, dou of sneeu.
- Voorkom dat spuitnewel wegdryf in kontak kom met plante wat vatbaar is of nie teiken plante is nie.
- Gebruik 'n rugsakspuit met 'n soliede keel spuit stuk (Spraying systems TG1 of ekwiwalent) en handhaaf 'n konstante druk van tussen 200 en 300 kPa.
- Handhaaf 'n spuit afstand van 20-30cm vanaf die teiken area vir die optimale bedekking.
- Die objektief van 'n **LAE VOLUME VOLLE BEDEKKING BEHANDELING** op Kaktus spesies is 'n fyn lae volume toediening wat die totale stam en kladdodes bedek; asook enige kladdode wat op die grond lê.
- **VERSEKER DAT ENIGE KLADDODE WAT OP DIE GROND LE BEHANDEL WORD.**
- Enige kladdodes wat per ongeluk onbehandeld bly, kan weer hergenerer as dit kontak maak met die grond. Sels al is die plant besig om te ontbind. Dit is dus baie belangrik om te beplan vir opvolg behandeling en dit uit te voer.
- Dien **Turbodor 29 MPA** as **Lae Volume Dekking Spuit Behandeling** toe volgens die riglyne soos getoon per spesie gelys in die table onder.

### (D) LAE VOLUME VOLLE DEKKING BLAAR SPUIT BEHANDELING (*Leptospermum laevigatum*)

- **Gebruik slegs op aktief groeiende plante.**
- Wend aan op blare as 'n **Lae Volume Volle Bedekking Blaar Behandeling**.
- Gebruik genoegsame volume van die spuit mengsel om 'n ligte, volle, bedekking op die blaare van die teiken plant te kry.
- Besproeiing of reïnval kort na die behandeling kan negatiewe resultate tot gevolg hê.
- Moet nie op plante aangewend word nie wat nat is van reën, dou of sneeu.
- Voorkom dat spuitnewel wegdryf in kontak kom met plante wat vatbaar is of nie teiken plante is nie.
- Gebruik 'n rugsakspuit met 'n soliede keel spuit stuk (Spraying systems TG1 of ekwiwalent) en handhaaf 'n konstante druk van tussen 200 en 300 kPa.
- Handhaaf 'n spuit afstand van 20-30cm vanaf die teiken area vir die optimale bedekking.
- Die objektief van 'n **LAE VOLUME VOLLE BEDEKKING BLAAR BEHANDELING** op *Leptospermum laevigatum* is 'n fyn, lae volume, toediening wat die totale blaar area bedek.
- Dien **Turbodor 29 MPA** as **Lae Volume Volle Bedekking Spuit Blaar Behandeling** toe volgens die riglyne soos getoon per spesie gelys in die table onder.

TOEDIENINGSHOEVEELHEDE  
(A) BASALE BAS BEHANDELING

BOOM / BOSSIE / STRUIK SPESIE	HOEVEELHEID	OPMERKINGS
<p><i>Prosopis spp.</i> (Muskietboom)</p> <p><i>Acacia mearnsii</i> (Swartwattle)</p> <p><i>Acacia melanoxylon</i> (Swarthout)</p> <p><i>Acacia saligna</i> (Goudwilger)</p> <p><i>Psidium guajava</i> (Koejawel)</p>	<p>Gereed om te gebruik. Wend aan direk soos wat die produk voorkom.</p>	<p><b>Moet nie</b> aanwend op stamme wat nat is van reën, dou of sneeu nie. <b>Wend aan</b> met 'n rugsakspuit toegerus met spuitstkn en nouhoekige soliede keelspuitstuk (Spraying systems TG1 of ekwiwalent). <b>Dien toe</b> op die basale bas en stam van houtagtige plante reg rondom, vanaf 50cm tot grondvlak, asook enige ontblote wortels. <b>Om effektiewe</b> resultate te ver kry moet die totale omtrek van die teiken plant se basale bas behandel word. <b>Spuit met</b> die spuitstuk met 'n afstand van die basale bas sodat benutting gemaksimiseer word en die mors van produk geminimiseer word (20-30cm). <b>Ingeval van</b> meer tallige stamme op 'n plant moet elke stam individueel behandel word. <b>Insek Aktiviteit:</b> <b>Dit is</b> voorheen opgemerk in basale bas behandeling dat insekte soos termiete en boor kewers aktief die behandelde dele van plante aanval. Die aktiviteit is normaal en die insekte sal ongedeerd bly. Die aktiviteit speel 'n belangrike rol gedurende die biologiese ontbindings proses. <b>Saprofiet Aktiviteit:</b> Dit is ook waargeneem dat behandelde areas onderwerp is aan Saprofietiese aktiviteit b.v. swamme.</p>

(B) GEKAPTE STOMP BEHANDELING

BOOM / BOSSIE / STRUIK SPESIE	HOEVEELHEID	OPMERKINGS
<p><i>Prosopis spp.</i> (Muskietboom)</p> <p><i>Acacia mearnsii</i> (Swartwattle)</p> <p><i>Acacia melanoxylon</i> (Swarthout)</p> <p><i>Acacia saligna</i> (Goudwilger)</p> <p><i>Litsea glutinosa</i> (Indiese lourier)</p> <p><i>Psidium guajava</i> (Koejawel)</p>	<p>Gereed om te gebruik. Wend aan direk soos wat die produk voorkom.</p>	<p><b>Moet nie</b> aanwend op stampe wat nat is van reën, dou of sneeu nie. <b>Moenie stompe kap</b> as weerstoestande gaan veroorsaak dat die stampe nat gaan wees nie. <b>Wend aan</b> so gou as moontlik aan die stomp nadat die boom gekap is (binne 1 uur). <b>Gebruik</b> 'n rugsakspuit met 'n growwe soliede keel spuitstuk of 'n nouhoekige soliede keel spuitstuk teen lae-druk. <b>Benat die</b> bokant en sykante van die gekapte stomp asook enige sigbare wortels, tot op die grondvlak. <b>Ingeval van</b> meervoudige stamme moet elke stomp individueel behandel word. <b>Spuit keel</b> stuk moet 20cm van die teiken af wees. <b>Insek Aktiviteit:</b> <b>Dit is</b> voorheen opgemerk in basale bas behandeling dat insekte soos termiete en boor kewers aktief die behandelde dele van plante aanval. Die aktiviteit is normaal en die insekte sal ongedeerd bly. Die aktiviteit speel 'n belangrike rol gedurende die biologiese ontbindings proses. <b>Saprofiet Aktiviteit:</b> Dit is ook waargeneem dat behandelde areas onderwerp is aan Saprofietiese aktiviteit b.v. swamme</p>

**(C) LAE VOLUME VOLLE DEKKING SPUIT BEHAEDELING (Kaktus spesies)**

KAKTUS SPESIE	HOEVEELHEID	OPMERKINGS
<i>Opuntia aurantiaca</i> (Litjesterkswy)	Gereed om te gebruik. Wend aan direk soos wat die produk voorkom.	<b>Gebruik slegs op aktief groeiende plante.</b> <b>Wend aan op kladdodes</b> en stamme as 'n lae volume volle bedekking spreï. <b>Gebruik genoegsame</b> volume van die spuit mengsel om 'n ligte volle bedekking op die teiken plant te kry. <b>Besproeiing of</b> reënval kort na die behandeling kan negatiewe resultate tot gevolg hê.
<i>Cylindropuntia fulgida</i> (Roseakaktus)		<b>Moet nie</b> op plante aangewend word nie wat nat is van reën, dou of sneeu. <b>Voorkom dat</b> spuitnewel wegdryf in kontak kom met plante wat vatbaar is of nie teiken plante is nie.
<i>Opuntia humifusa</i> (Creeping Prickly Pear)		<b>Gebruik</b> 'n rugsakspuit met 'n soliede keël spuit stuk (Spraying systems TG1 of ekwivalent) en handhaaf 'n konstante druk van tussen 200 en 300 kPa.
<i>Opuntia imbricata</i> (Kabelturkswy)		<b>Handhaaf</b> 'n spuit afstand van 20-30cm vanaf die teiken area vir die optimale bedekking.
<i>Opuntia stricta</i> (Suurturkswy)		<b>Die objektief van</b> 'n Lae Volume Volle Bedekking Behandeling op Kaktus spesies is 'n fyn lae volume toediening wat die totale stam en kladdodes bedek; asook enige kladdode wat op die grond lê.
<i>Opuntia monacantha</i> (Suurturkswy)		<b>Enige kladdodes</b> wat per ongeluk onbehandeld bly, kan weer hergenerereer as dit kontak maak met die grond. Selfs al is die plant besig om te ontbind. Dit is dus baie belangrik om te beplan vir opvolg behandeling en dit uit te voer.
<i>Echinopsis schickendantzii</i> (Orrelkaktus)		<b>VERSEKER DAT ALLE BLAAR / KLADODES WAT OP DIE GROND LE BEHANDEL IS. OPVOLG BEHANDELING MAG NODIG WEES WAAR VOLWASSE PLANTE IN DENS BEGROEIDE AREAS VOORKOM, VERAL WAAR KLEINER PLANTE EN KLADODES GEBESKERMD WAS DEUR VOLWASSE PLANTE IN DIE EERSTE BEHANDELING.</b>
<i>Tephrocactus articulatus</i> (Paper Spine Cholla)		
<i>Agave sisalana</i> (Sisal)		
<i>Agave Americana</i> (Garingboom)		

**(D) LAE VOLUME VOLLE DEKKING BLAAR SPUIT BEHAEDELING (*Leptospermum laevigatum*)**

BOOM / BOSSIE / STRUIK SPESIE	HOEVEELHEID	OPMERKINGS
<i>Leptospermum laevigatum</i> (Australiese mirtleboom)	Gereed om te gebruik. Wend aan direk soos wat die produk voorkom.	<b>Dien toe op slegs aktief groeiende plante tot 'n hoogte van 1.5m of tot 'n hoogte waar dit moontlik is om 'n totale ligte bedekking te spuit oor die plant.</b> <b>Wend aan op kladdodes</b> en stamme as 'n lae volume volle bedekking spreï. <b>Gebruik genoegsame</b> volume van die spuit mengsel om 'n ligte volle bedekking op die teiken plant te kry. <b>Besproeiing of</b> reënval kort na die behandeling kan negatiewe resultate tot gevolg hê. <b>Moet nie</b> op plante aangewend word nie wat nat is van reën, dou of sneeu. <b>Voorkom dat</b> spuitnewel wegdryf in kontak kom met plante wat vatbaar is of nie teiken plante is nie.
		<b>Gebruik</b> 'n rugsakspuit met 'n soliede keël spuit stuk (Spraying systems TG1 of ekwivalent) en handhaaf 'n konstante druk van tussen 200 en 300 kPa.
		<b>Handhaaf</b> 'n spuit afstand van 20-30cm vanaf die teiken area vir die optimale bedekking.
		Die objektief van 'n <b>LAE VOLUME VOLLE BEDEKKING BLAAR BEHANDELING</b> op <i>Leptospermum laevigatum</i> is 'n fyn, lae volume, toediening wat die totale blaar area bedek.

Ander boere, bosse, struike en plante 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 boere en struike nie.

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