

READ THE LABEL BEFORE USE

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 onkruid soos aangetoon in bosbou, grasweidings, bewarings areas en nywerheids gebiede.



DANGER

Hazard statements

- Harmful if swallowed.
- May cause an allergic skin reaction.
- May cause damage to organs (Kidney) through prolonged or repeated exposure.
- Very toxic to aquatic life with long lasting effects.

Precautionary statements

- Do not breathe the mist/vapours/spray.
- Avoid release to the environment. – *if this is not the intended use.*

HERBICIDE GROUP CODE	O	ONKRUIDDODER GROEPKODE
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ACTIVE INGREDIENT

Triclopyr (Pyridyloxy compound)
(acid equivalent)
(as butoxy ethyl ester)

/

29 g/l
40 g/l

AKTIEWE BESTANDDEEL

Triklopir (Piridiloksie verbinding)
(suurekwivalent)
(as butoksie-etieelester)

NET VOLUME (2ℓ / 5ℓ / 20ℓ)

NETTO VOLUME (2ℓ / 5ℓ / 20ℓ)

REGISTRATION HOLDER / REGISTRASIE HOUER:

Future Farm & Forest
Services & Supplies (Pty) Ltd.
Reg. 1998/014639/07
P.O. Box 98165
Sloane Park
2152



ECOGUARD

Environmentally compatible solutions for
pest & vegetation management

DISTRIBUTED BY / VERSPREI DEUR:

Ecoguard Biosciences (Pty) Ltd.
Reg. 1988/001616/07
Tel: 011 463 6057
Fax: 011 463 6462

UN NUMBER	3082	UNNUMMER
BATCH NUMBER		LOTNUMMER
DATE OF MANUFACTURE		DATUM VAN VERVAARDIGING

EMERGENCY CONTACT Tel: 011 463 5842
TYGERBERG POISON INFO CENTRE: 086 155 5777

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

WARNINGS

- Carrier may cause temporary burn to grass.
- Handle with care.
- Harmful if swallowed.
- May cause an allergic skin reaction.
- May cause damage to organs (Kidney) through prolonged or repeated exposure.
- Very toxic to aquatic life with long lasting effects.
- 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 breathe mist/vapours/spray.
- Wear protective gloves/ protective clothing/ eye protection/ face protection.
- Avoid contact with eyes. In case of such contact, flush eyes with clean water for at least 15 minutes.
- IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical help.
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
- Get medical attention if you feel unwell.
- Wash contaminated clothing daily. Contaminated work clothing should not be allowed out of the workplace.
- Do not eat, drink or smoke whilst mixing and applying or before washing hands and face and change of clothing.
- Collect spillage.
- 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.

- Avoid release to the environment. – *if this is not the intended use.*
- 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.
- Dispose of contents/container in accordance with applicable regulations.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Store locked up.

RELEVANT SUBSTANCES

Triclopyr-2-butoxyethyl ester

Weight (%)

2,8-3,2%

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.**

CONDITIONS FOR APPLICATION

TURBODOR 29 MPA is suitable for both **SUMMER & WINTER** application provided that the following restrictions:

- Do not apply to plants that are wet from rain, dew or snow.
- Avoid applying on plants that have endured long periods of water stress:
 - 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.
- Rainfall shortly after application may negatively influence results (3-hour rain fastness).
- For stem and stump applications, removed any vegetation or obstacles that would hinder effective application.

RECOMMENDED METHODS OF APPLICATION USING KNAPSACK SPRAYER

(A) BASAL BARK TREATMENT

- Apply with a flat fan nozzle (XR 80015VS or equivalent).
 - Maintain a constant pressure of 100 kPa.
 - **Single stems:** Flat fan nozzle angled vertically, to spray up and down the stem.
 - **Multiple stems:** Flat fan nozzle angled horizontally, aimed at the plant such as to wet all the stems simultaneously.
- Spray with nozzle at a distance from stem so as to maximize stem wetting and to minimize off target spraying and waste.
- In order to obtain satisfactory results, ensure **TURBODOR 29 MPA** has effectively spread around the entire circumference of the stem(s).
 - In the case of multi-stemmed plants, ensure that each stem is adequately wetted.
- **Please refer to Ecoguard Biosciences website (www.ecoguard.co.za) for video tutorials on the above precision application techniques.**
- **These precision application techniques minimize waste, ensuring effective economical usage.**

Apply **TURBODOR 29 MPA** as Basal Bark Treatment according to directions as per species listed in the table below.

BASAL BARK TREATMENT

TREE / BUSH / SHRUB SPECIE	RATE	REMARKS
<i>Prosopis</i> spp. (Mesquite)	Ready-To-Use.	Apply all around the basal stem or trunk of the woody plant from specified height down (<u>as listed below</u>) to soil level and including the root crown.
<i>Acacia cyclops</i> (Red Eye)	Apply as supplied.	<u>Seedlings and young trees up to 1.5 m in height:</u> Apply TURBODOR 29 MPA to a basal height of 30 cm.
<i>Vachellia</i> (<i>Acacia</i>) <i>karroo</i> (Sweet thorn)		<u>For trees between 1.5 m to 3.0 m in height:</u> Apply TURBODOR 29 MPA to a basal height of 50 cm.
<i>Acacia mearnsii</i> (Black Wattle)		<u>Mature trees taller than 3.0 m or stem diameters of 20 cm and more:</u> Apply TURBODOR 29 MPA to a basal height of 85 cm. For corky bark or multi-stem trees, ensure TURBODOR 29 MPA is applied until point of run off.
<i>Senegalia</i> (<i>Acacia</i>) <i>mellifera</i> (Black thorn)		In order to obtain satisfactory results, ensure TURBODOR 29 MPA has effectively spread around the entire circumference of the basal stem(s).
<i>Acacia melanoxylon</i> (Blackwood)		<u>Insect Activity:</u> 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.
<i>Acacia saligna</i> (Port Jackson)		<u>Saprophyte and Bacterial Activity:</u> It has also been observed that treated areas are subject to Saprophyte activity e.g., Bracket fungi.
<i>Hakea sericea</i> (Silky hakea)		
<i>Populus canescens</i> (Grey poplar)		
<i>Psidium guajava</i> (Guava)		
<i>Solanum mauritianum</i> (Bugweed)		
<i>Terminalia sericea</i> (Silver cluster-leaf)		
		THESE OBSERVED ACTIVATIONS FOLLOWING THE USE OF TURBODOR 29

		MPA, PLAYS AN IMPORTANT ROLE IN ACCELERATING NATURAL BIOLOGICAL DECOMPOSITION.
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(B) STUMP TREATMENT

- Apply either with a flat fan nozzle (XR 80015VS or equivalent) or a solid cone nozzle (Spraying Systems TG2, DELAVAN 2 or equivalent).
 - Maintain a constant pressure of 100 kPa.
 - Spray nozzle distance must be approximately 20 cm from target.
- Apply to low cut stumps (not more than 20 cm high).
 - Ensure the whole stump and any exposed roots down to soil level is adequately wetted.
 - In the case of multi-stemmed plants, each stump must be treated separately.
- Apply within 3 days of felling, except for *Eucalyptus* spp. For *Eucalyptus* spp., application may take place up to 6 weeks after felling.

Apply **TURBODOR 29 MPA** as Cut Stump Treatment according to directions as per species listed in the table below.

STUMP TREATMENT

TREE / BUSH / SHRUB SPECIE	RATE	REMARKS
<i>Prosopis</i> spp. (Mesquite)	Ready-To-Use.	Apply within 3 days after felling.
<i>Acacia mearnsii</i> (Black Wattle)	Apply as supplied.	Insect Activity: 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. Saprophyte and Bacterial Activity: It has also been observed that treated areas are subject to Saprophyte activity e.g., Bracket fungi.
<i>Acacia melanoxylon</i> (Blackwood)		
<i>Acacia saligna</i> (Port Jackson)		
<i>Litsea glutinosa</i> (Indian laurel)		
<i>Psidium guajava</i> (Guava)		THESE OBSERVED ACTIVATIONS FOLLOWING THE USE OF TURBODOR 29 MPA, PLAY AN IMPORTANT ROLE IN ACCELERATING NATURAL BIOLOGICAL DECOMPOSITION.

<i>Eucalyptus</i> spp. e.g.	Ready-To-Use.	Application must be to the whole stump, including the cambium layer of the cut surface, down to the exposed roots down to ground level.
<i>Eucalyptus dunnii</i> (White gum)	Apply as supplied.	Application up to 6 weeks after felling.
<i>Eucalyptus nitens</i> (Shining gum)		Apply approximately 50ml of TURBODOR 29 MPA per stump.
<i>Eucalyptus grandis</i> x <i>Eucalyptus urophylla</i>		

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

- Apply with a flat fan nozzle (XR 80015VS or equivalent).
 - Maintain a constant pressure of 100 kPa.
- Apply as a low volume full cover spray.
 - Use a sufficient volume of the spray mix to ensure a light, full and even coverage to the stem/cladodes of the *Cacti* plants.
- For *Cacti* plants, untreated cladodes will regenerate into a new individual plants when they make contact with the ground as a result of the collapsing of the decaying plant!!!
 - It is therefore very important to plan and execute follow up treatments.
- Avoid spray drift from contaminating susceptible non-target plants.

Apply **TURBODOR 29 MPA** as Low Volume Full Cover Spray according to directions as per species listed in the table below.

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

TREE / BUSH / SHRUB SPECIE	RATE	REMARKS
<i>Opuntia aurantiaca</i> (Jointed Cactus)	Ready-To-Use.	The objective of a LOW VOLUME FULL COVER SPRAY on <i>Cacti</i> species is a fine low spray covering entire stem and all cladodes, including cladodes lying on the ground. Untreated cladodes will regenerate into a new individual plants when they make contact with the ground as a result of the collapsing of the decaying plant!!! It is therefore very important to plan and execute follow up treatments. ENSURE ALL CLADODES LYING ON THE GROUND ARE TREATED.
<i>Cylindropuntia fulgida</i> (Boxing Glove Cactus)	Apply as supplied.	
<i>Opuntia humifusa</i> (Creeping Prickly Pear)		
<i>Opuntia imbricata</i> (Imbricate Prickly Pear)		

<i>Opuntia stricta</i> (Australian Pest Pear) <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)		
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(D) LOW VOLUME FULL COVER SPRAY TREATMENT (*Leptospermum laevigatum*)

- Apply with a flat fan nozzle (XR 80015VS or equivalent).
 - Maintain a constant pressure of 100 kPa.
- Apply as a low volume full cover spray.
 - Use a sufficient volume of the spray mix to ensure a light, full and even coverage to all the foliage of *Leptospermum laevigatum*.
- Avoid spray drift from contaminating susceptible non-target plants.

The objective of a **LOW VOLUME FULL COVER SPRAY** on *Leptospermum laevigatum* is a fine low volume application covering all foliage for *Leptospermum laevigatum*.

Apply **TURBODOR 29 MPA** as Low Volume Full Cover Spray according to directions as per species listed in the table below.

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.	Use only on plants less than 2.0 meters high or at a height which is suitable for a complete light overall spray.

TURBODOR 29 MPA controls various broadleaf plant species and cacti as listed on the label. The registration holder does not accept any liability (failures or damages) caused by "off label" applications.

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

WAARSKUWINGS

- Onkruidodder mag veroorsaak dat gras tydelik geskroei word.
- Hanteer versigtig.
- Giftig indien dit ingesluk word.
- Mag dalk irritasie van vel en oë veroorsaak.
- Mag skade aan organe (Niere) veroorsaak deur langdurige of herhaalde blootstelling.
- Baie giftig vir waterlewe met langdurige effekte.
- 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 klere, veiligheids handskoene en brille wanneer die produk hanteer word.

In geval van vergiftiging, kontak:

GRIFFON POISON INFO SENTRUM: 082 446 8946

TEGNEIE NAVRAE/INLIGTING TEL. NO. (011) 463-6057

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 verskafter ingeval van enige onsekerheid.

VOORSORGMATREËLS:

- Moenie mis/dampe/spuitnewel inasem nie.
- Dra beskermende handskoene beskermende klere/oogbeskerming/ gesigbeskerming wanneer die konsentraat hanteer word.
- Vermý kontak met oë. In geval van kontak met oë, spoel oë met skoon water vir te minste 15 minute.
- **INDIEN OP DIE VEL:** Was met baie water. Indien velirritasie of uitslag voorkom: Kry mediese hulp.
- **INDIEN INGESLUK:** Ontbied onmiddellik 'n GIFSENTRUM of dokter/geneesheer. MOENIE braking veroorsaak nie. Spoel mond uit. Kry mediese hulp as jy onwel

voel.

- Was onmiddelik met seep en water indien die produk per ongeluk met die vel in aanraking kom.
- Was besoedelde klere daagliks. Besoedelde werksklere moet nie uit die werkplek toegelaat word nie.
- Moenie eet, drink of rook tydens vermenging en toediening en alvorens hande en gesig gewas en skoon klere aangetrek is nie na die aanwending van die produk.
- Versamel gemors.
- 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, verkieslik oornag.
- Spoel die toerusting te minste twee keur uit met skoon water.
- Vermoedlik na die omgewing. – *indien dit nie die beoogde gebruik is nie.*
- 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 voedselware, gewasse, weiding, riviere en damme sal besoedel nie.
- Voorkom besoedeling van voedselware, voer, drinkwater en eetgerei.
- Stoor toegesluit.

RELEVANTE STOWWE

Triclopyr-2-butoxyethyl ester

Inhoud (%)

2,8-3,2%

SIMPTOME VAN MENSLIKE VERGIFTIGING

- Die produk 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.
- Behandeling is simptome.

GEBRUIKSBEPERKINGS

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

- Voorkom dat spuitnewel wegdryf of in kontak kom met sensitiewe breekbaar gewasse, insluitend, maar nie beperk tot: lusern, bone, waatlamoene, 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 temperature mag die vlugtigheid en potensiaal vir dampdrywing verhoog en daardeur die risiko vir nie-teiken beskadiging van sensitiewe breeblaar 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 riviëre 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 breeblaar gewas geroteer gaan word nie.
- Moenie die mis van diere wat op behandelde areas gewei het vir lande waarop 'n breeblaar gewas, sierplante, boorde of enige ander vatbare 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 breeblaar plante of gewasse gebruik nie.
- Moenie lewende hawe van behandelde weidingsareas (of wat op behandelde gras gevoed het) na areas van gevoelige breeblaar 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 breeblaar plante te beskadig.
- Moenie op lande of veld wat vloedsproei word gebruik nie.
- Moenie met 'n newelspuit (misblaser) toedien nie.
- Moenie op grond wat NABY gewensde bree blaar plante of grond waarop sulke plante groei, of graan gewasse wat in gevoelige ontwikkeling stadium is toedien, **MITS DAAR NIE VOLDOENDE VOORSORG GETREF WORD OM DIE WEGDRYING 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.**

VOORWAARDES VIR AANWENDING

TURBODOR 29 MPA is geskik vir beide **SOMER- en WINTER**-toepassing, mits die volgende beperkings:

- Moenie aanwend op plante 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 tye, moet daar vir opvolgbespuitings voorsiening gemaak word
- Reënval kort na toediening kan resultate negatief beïnvloed (3-uur reënvastheid).
- Vir stam- en stomptoeënings, verwyder enige plantegroei of struikelblokke wat effektiewe toediening kan belemmer.

AANBEVOLE TOEDIENINGSMETODES MET GEBRUIK VAN RUSSAKSPUIT

(A) BASALE BAS BEHANDELING

- Wend aan met 'n plat waaier spuitstuk (XR 80015VS of ekwivalent).
 - Handhaaf 'n konstante druk van 100 kPa.
 - **Enkel stingels:** Hou plat waaierspuitstuk vertikaal skuins om op en af te spuit.
 - **Meervoudige stingels:** Hou platwaaierspuitpunt horisontaal gehoek, gemik op die plant om al die stingels gelyktydig nat te maak.
- Spuit met die spuitstuk met 'n afstand van die basale bas sodat benatting gemaksimiseer word en die mors van produk geminimiseer word.
- Om effektiewe resultate te verkry, verseker dat **TURBODOR 29 MPA** effektief oor die hele omtrek van die stam(le) versprei is.
 - Ingeval van meer tallige stamme op 'n plant moet elke stam individueel behandel word.
- **Verwys asseblief na die Ecoguard Biosciences-webwerf (www.ecoguard.co.za) vir video-tutoriale oor bogenoemde toepassingstechnieke.**
- **Hierdie presisiestechnieke verminder vermorsing en verseker doeltreffende ekonomiese gebruik.**

Dien **TURBODOR 29 MPA** as Basale Bas Behandeling toe volgens die riglyne soos getoon per spesie gelys in die table onder.

BASALE BAS BEHANDELING

BOOM / BOSSIE / STRUIK SPESIE	HOEEVEELHEID	OPMERKINGS
<i>Prosopis</i> spp. (Muskietboom) <i>Acacia cyclops</i> (Rooikrans) <i>Vachellia (Acacia)</i> karoo (Soetdoring) <i>Acacia mearnsii</i> (Swartwattle) <i>Senegalia (Acacia)</i> <i>mellifera</i> (Swarthaak) <i>Acacia melanoxylon</i> (Swarthout) <i>Acacia saligna</i> (Goudwilger) <i>Hakea sericea</i> (Hakea) <i>Populus canescens</i> (Vaalpopulier) <i>Psidium guajava</i> (Koejawel) <i>Solanum mauritianum</i> (Luisboom) <i>Terminalia sericea</i> (Vaalboom)	Gereed om te gebruik. Wend aan direk soos wat die produk Voorkom.	Dien toe op die basale bas en stam van houtagtige plante reg rondom, vanaf 'n gespesifiseerde hoogte af (soos hieronder gelys) tot grondvlak en insluitend die wortelkroon. <u>Saailinge en jong bome tot 1.5 m hoog:</u> Dien TURBODOR 29 MPA toe tot 'n basale hoogte van 30 cm. <u>Vir bome tussen 1.5 m tot 3.0 m hoog:</u> Dien TURBODOR 29 MPA toe tot 'n basale hoogte van 50 cm. <u>Volwasse bome langer as 3.0 m of stamdiameters van 20 cm en meer:</u> Dien TURBODOR 29 MPA toe tot 'n basale hoogte van 85 cm. Vir kurkbass of veelstambome, maak seker dat TURBODOR 29 MPA toegedien word tot die punt van afloop. Om effektiewe resultate te verkry, verseker dat TURBODOR 29 MPA effektief oor die hele omtrek van die stam(le) versprei is. Insek Aktiviteit: Dit is voorheen opgemerk in basale bas behandeling dat insekte soos termiete en boor kewers aktief die behandelde dele van plante aanval. Die aktiwiteit is normaal en die insekte sal ongedeerd bly. Saprofiet en Bakteriese Aktiviteit: Dit is ook waargeneem dat behandelde areas onderwerp is aan Saprofietiese aktiwiteit b.v. swamme.

		HIERDIE WAARGENOME AKTIVERINGS NA DIE GEBRUIK VAN TURBODOR 29 MPA SPEEL 'N BELANGRIKE ROL IN DIE VERSNELLING VAN NATUURLIKE BIOLOGIESE ONTBINDING.
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(B) STOMP BEHANDELING

- Wend aan met 'n plat waaier spuitstuk (XR 80015VS of ekwivalent) of 'n soliede keel spuitstuk (Spuitstelsels TG2, DELAVAN 2 of ekwivalent).
 - Handhaaf 'n konstante druk van 100 kPa.
 - Die spuit keel stuk moet 20cm van die teiken af wees.
- Dien toe op laaggesnyde stompe (nie meer as 20 cm hoog nie).
 - Maak seker dat die hele stomp en enige blootgestelde wortels tot op grondvlak voldoende benat is.
 - In die geval van meerstammige plante moet elke stomp afsonderlik behandel word
- Dien toe binne 3 dae na afkap, behalwe vir *Eucalyptus* spp. Vir *Eucalyptus* spp. kan toediening tot 6 weke na afkap plaasvind.

Dien **TURBODOR 29 MPA** as Basale Bas Behandeling toe volgens die riglyne soos getoon per spesie gelys in die table onder.

STOMP BEHANDELING

BOOM / BOSSIE / STRUIK SPESIE	HOEEVEELHEID	OPMERKINGS
<i>Prosopis</i> spp. (Muskietboom)	Gereed om te gebruik.	Dien toe binne 3 dae na afkap.
<i>Acacia mearnsii</i> (Swartwattle)	Wend aan direk soos wat die produk Voorkom.	Insek Aktiwiteit: Dit is voorheen opgemerk in basale bas behandeling dat insekte soos termiete en boor kewers aktief die behandelde dele van plante aanval. Die aktiwiteit is normaal en die insekte sal ongedeerd bly.
<i>Acacia melanoxylon</i> (Swarthout)		
<i>Acacia saligna</i> (Goudwilger)		
<i>Litsea glutinosa</i> (Indiese lourier)		
<i>Psidium guajava</i>		Saprofiet en Bakteriese Aktiwiteit: Dit is ook waargeneem dat behandelde areas onderwerp is aan Saprofietiese aktiwiteit b.v. swamme.

(Koejawel)		HIERDIE WAARGENOME AKTIVERINGS NA DIE GEBRUIK VAN TURBODOR 29 MPA SPEEL 'N BELANGRIKE ROL IN DIE VERSNELLING VAN NATUURLIKE BIOLOGIESE ONTBINDING.
<i>Eucalyptus</i> spp. e.g. <i>Eucalyptus dunnii</i> (Witbloekom) <i>Eucalyptus nitens</i> (Blinkbloekom) <i>Eucalyptus grandis</i> x <i>Eucalyptus urophylla</i>	Gereed om te gebruik. Wend aan direk soos wat die produk voorkom.	Maak seker stomp (boonste kambiumlaag en syekante) en enige blootgestelde wortels tot op grondvlak ten volle benat is. Toediening kan gebeur tot 6 weke na afkap. Dien ongeveer 50ml TURBODOR 29 MPA per stomp toe.

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

- Wend aan met 'n plat waaier spuitstuk (bv. XR 80015VS of ekwivalent).
 - Handhaaf 'n konstante druk van 100 kPa.
- Dien toe as 'n lae volume volle dekbespuiting.
 - Gebruik 'n voldoende volume van die spuitmengsel om 'n ligte, volle en egalige bedekking van die stam/kladodes van die Kaktusseplante te verseker.
- Onbehandelde kladodes sal hergenereer in 'n nuwe individuele plant wanneer hulle kontak maak met die grond as gevolg van die ineensorting van die verrottende plant!!!
 - Dit is dus baie belangrik om opvolgbehandelings te beplan en uit te voer.
- Voorkom dat spuitnewel wegdryf in kontak kom met plante wat vatbaar is of nie teiken plante is nie.

Dien **TURBODOR 29 MPA** as Lae Volume Dekking Spuit Behandeling toe volgens die riglyne soos getoon per spesie gelys in die table onder.

LAE VOLUME VOLLE DEKKING SPUIT BEHANDELING (*Kaktus* spesies)

BOOM / BOSSIE / STRUIK SPESIE	HOEEVEELHEID	OPMERKINGS
<i>Opuntia aurantiaca</i> (Litjiesurksy) <i>Cylindropuntia fulgida</i> (Roseakaktus) <i>Opuntia humifusa</i> (Creeping Prickly Pear) <i>Opuntia imbricata</i> (Kabelturksy)	Gereed om te gebruik. Wend aan direk soos wat die produk voorkom.	Die objektief van 'N LAE VOLUME VOLLE BEDEKKING BEHANDELING op <i>Kaktus</i> spesies is 'n fyn lae volume toediening wat die totale stam en kladodes bedek; asook enige kladode wat op die grond lê. Onbehandelde kladodes sal hergenerer in 'n nuwe individuele plant wanneer hulle kontak maak met die grond as gevolg van die ineenstorting van die verrottende plant!!! Dit is dus baie belangrik om opvolgbehandelings te beplan en uit te voer.
<i>Opuntia stricta</i> (Suurturksy) <i>Opuntia monacantha</i> (Suurturksy) <i>Echinopsis schickendantzii</i> (Orrelkaktus) <i>Tephrocactus articulatus</i> (Paper Spine Cholla) <i>Agave sisalana</i> (Sisal) <i>Agave Americana</i> (Garingboom)		VERSEKER DAT ALLE KLADODES WAT OP DIE GROND LE BEHANDEL IS.

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

- Wend aan met 'n plat waaier spuitstuk (XR 80015VS of ekwivalent).
 - Handhaaf 'n konstante druk van 100 kPa.
- Dien toe as 'n lae volume volle dekbespuiting.
 - Gebruik 'n voldoende volume van die spuitmengsel om 'n ligte, volle en egalige bedekking van al die blare van *Leptospermum laevigatum*.
- Voorkom dat spuitnewel wegdryf in kontak kom met plante wat vatbaar is of nie

teiken plante is nie.

Dien **TURBODOR 29 MPA** as Lae Volume Dekking Suij Behandeling toe volgens die riglyne soos getoon in die table onder.

LAE VOLUME VOLLE DEKKING BLAAR SUIJ BEHANDELING
(*Leptospermum laevigatum*)

BOOM / BOSSIE / STRUIK SPESIE	HOEEVEELHEID	OPMERKINGS
<i>Leptospermum laevigatum</i> (Australiese mirtleboom)	Gereed om te gebruik. Wend aan direk soos wat die produk Voorkom.	Gebruik slegs op plante minder as 2,0 meter hoog of op 'n hoogte wat geskik is vir 'n volledige ligte algehele bespuiting.

TURBODOR 29 MPA beheer verskeie breëblaar plantspesies en kaktusse soos gelys op die etiket. Die registrasiehouer aanvaar geen aanspreeklikheid (mislukkings of skade) wat veroorsaak word deur "off label" aansoeke nie.

BELANGRIK: - Wanneer meer as een ongewenste plant spesies voorkom, raadpleeg die plaaslike tegniese verteenwoordiger van die verskaffer.