

Die volgende handelsmerke en registrasies word erken kragtens Wet 36/1947 The following trademarks and registrations are acknowledged under Act 36/1947		
Produk Product	Reg. Nommer Reg. Number	Registrasiehouer Registration holders
Bladbuff 5	L3351	Plaaskem (Bpk) Plaaskem (Pty) Ltd
Lasso® Micro Tech®	L4728	Monsanto Suid-Afrika (Edms) Bpk. Monsanto South Africa (Pty) Ltd.
Lasso® EC	L0977	Monsanto Suid-Afrika (Edms) Bpk. Monsanto South Africa (Pty) Ltd.
Guardian S®	L4862	Monsanto Suid-Afrika (Edms) Bpk. Monsanto South Africa (Pty) Ltd.
Harness® EC	L3029	Monsanto Suid-Afrika (Edms) Bpk. Monsanto South Africa (Pty) Ltd.
MCPA (K sout) MCPA (K salt)	L1404	Bayer CropScience (Edms) Bpk. Bayer CropScience (Pty) Ltd.
MCPA (K sout) MCPA (K salt)	L3616	DOW AgroScience (Edms) Bpk. DOW AgroScience (Pty) Ltd.
2,4-D amien 2,4-D amine	L3619	DOW AgroScience (Edms) Bpk. DOW AgroScience (Pty) Ltd.

Monsanto is 'n lid van CroLife

® Handelsmerk van Monsanto Januarie 2004

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MONSANTO



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ZA, 0505, F - 1047 5330



Reg. No. L7166,  
Act No. 36 of 1947

A water soluble non-selective post emergence herbicide containing TranSorb surfactant for the control of annual and perennial weeds in agricultural, non-crop, conservation and industrial areas.

#### HERBICIDE RESISTENCE GROUP G

Active Ingredient  
450 g Glyphosate (glycine) a.e. /  
(contains 607 g isopropylamine salt of glyphosate /l)

Contents  
**20** l  
Inhoud

Reg. No. L7166,  
Wet No. 36 van 1947

'n Nie-selektiewe na-opkrom wateroplosbare onkruidodder met TranSorb benatter vir die beheer van een- en meerjarige onkruid in landbou, onbeboude, bewaringsgebiede en nywerheidsgebiede.

#### ONKRUIDODDER-WEERSTANDSGROEP G

Aktiewe Bestanddeel  
450 g Glifosaat (glisien) s.e. /  
(bevat 607 g isopropielamien sout van glifosaat /l)

Emergency telephone numbers / Nood telefoon nommers  
Office hours / Kantoorure: 011 - 790 - 8200  
After hours 24 hr international / Na-ure 24 uur internasionaal:  
09 - 1 - 314 - 694 - 4000

Registered, manufactured and distributed by Monsanto South Africa (Pty.), Ltd.,  
[Reg. No. 1968/01485/07]  
P.O. Box 69933, Bryanston, 2021.

Geregistreer, vervaardig en versprei deur Monsanto Suid Afrika (Edms.), Bpk.,  
[Reg. Nr. 1968/01485/07]  
Posbus 69933, Bryanston, 2021.

UN number: 3082

\* Roundup is a registered trademark of Monsanto  
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## WAARSKUWINGS



## WARNINGS

- Mag oog en vel irritasie veroorsaak.
- Moenie ROUNDUP® TURBO oplossings meng, berg of toedien vanuit gegalvaniseerde staal- of ongevoerde houers of spuitens nie. Waterstof gas mag vorm, wat vlambaar of ontplofbaar is.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Stoor apart van voedsel, voer, saad, kunsmis en landbou chemikalieë.
- Alhoewel hierdie onkruidodder omvattend en onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie, aangesien die werking en effektiwiteit daarvan beïnvloed kan word deur gaktore soos abnormale grond-, klimaat- 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 onkruidodder sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie die verantwoordelijkheid vir skade aan gewasse, plantegroei, die omgewing of nadelige effek op mens of dier of vir die gebrek aan prestasie van die onkruidodder as gevolg van die versuim van die gebruiker om etiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in geval van enige onsekerheid.
- May be irritating to both eyes and skin.
- Do not mix, store or apply ROUNDUP® TURBO in galvanised or unlined steel spray tanks or equipment. Hydrogen can be produced, which is combustible or explosive.
- Keep out of reach of children, uninformed persons and animals.
- Store away from food, feeds, seed, fertilizer and agricultural chemicals.
- Although this herbicide has been tested on a representative sample of economically important plant varieties under a large variety of soil and climatic conditions, the registration holder does not warrant that this herbicide will be effective and safe to the crop under all conditions because the action and effect of the chemical is affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with unlisted chemicals, development of herbicide resistance, as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for either crop damage or non-performance due to failure to follow the label directions or the occurrence of conditions that the registration holder could not reasonably have foreseen. Consult your supplier in the event of any uncertainty.

## VOORSORGMAATREËLS



## PRECAUTIONS

- Moenie die spuitnewel of dampe inasem nie.
- In die geval van velkontak, was met baie seep en water.
- Do not breathe fumes or spray-mist.
- In case of accidental skin contact, wash with plenty of soap and water.

TABEL 6: BESTRYKTOEDIENING  
TABLE 6: WIPE-TYPE WEED CONTROL APPLICATION

Tipe toediener Applicator type	Oplossing Solution	Opmerkings Remarks
Rollertoediener handtipe. Hand held roller applicators.	<b>Eenjarige Annual 3,0 % Meerjarige Perennial 6,0 %</b>	100 - 150 l/ha oplossing word aanbeveel waar konvensionele bespuiting onprakties is, bv. laag opgeleide bostok wingerde. 100 - 150 l/ha solution recommended where conventional spraying is not practical, i.e. Low trellised or bush vines, etc.
Handmodel of trekker-gemonteerde tou-tipe toediener. Hand held or tractor mounted rope-wick applicator	<b>25,0 %</b>	Dien tot en met 3,0 l/ha oplossing toe in boorde en waar onkruid- en gewashoogtes verskil, bv. vir beheer van opslag of laat ontkiemende onkruid in boontjies en grondboontjies. Apply up to 3,0 l/ha solution in situations around tree crops and where weed/crop height differentiation exists, i.e. control of volunteer crop or resistant or late germinating weeds in beans and groundnuts.

### Notas:

Gebruik 'n bestryktipe-toediener wat deur Monsanto Suid-Afrika (edms) Bpk goedgekeur is. Die toediener maak gebruik van absorberende materiaal om die ROUNDUP TURBO oor te dra op die plante waarmee dit in aanraking kom. Verseker dat die bestrykoppervlakte skoon gehou word. Die bestrykoppervlakte MOET NIE met die gewas in aanraking kom nie.

### Notes:

Use a wipe-type applicator which has been approved by Monsanto South Africa (Pty) Ltd. These applicators make use of an absorbent material to transfer ROUNDUP TURBO solution onto plants with which the applicator comes into contact. Ensure that the wiper surface is kept clean. The wiper must NOT come into contact with the crop.

**TABEL 5: WEIDINGSOPKNAPPING**

**TABLE 5: PASTURE RENOVATION**

**Meerjarige rankgrasbesmetting:**

**Konvensioneel:** Meganiese en chemiese opknapping.

**Ligte onkruidruk:** Berei saadbed voor. Laat meerjarige rankgras en eenjarige onkruid opkom. Dien ROUNDUP TURBO toe volgens aanbevole dosisse vir onkruidspektrum. (Sien Tabel 1) Saai nuwe weiding 3 - 4 dae na toediening.

**Hewige onkruidruk:** Bewerk die onkruid en laat hergroeï toe. Spuit dan die aanbevole ROUNDUP TURBO- dosis. Laat 7 dae toe voor 'n tweede bewerking, saadbedvoorbereiding en plant/saai.

**Voorsaaï onkruidbeheer:** Nuut ontkiemende onkruid kan beheer word met 0,8 - 2,3 l/ha. Cyperus spp. Benodig 4,8 l/ha. Saai die nuwe weigewas 3 - 4 dae na toediening.

**Vervanging van weiding en veld verbetering:** Verminder plantmateriaal deur af te sny of te bewei. Dien ROUNDUP TURBO 3 - 4 weke daarna toe op hergroeï. Plant die nuwe weigewas 3 - 4 dae na bespuiting.

**Onderhoud van weiding:** Beheer een- en meerjarige onkruid in weidings deur kolbespuitings met 'n 1,2 % oplossing of gebruik 'n bestryktipe-toedienaar waar onkruid bokant die weiding uitsteek (sien Tabel 6).

**Notas:**

- Gebruik die aanbevole dosis om eenjarige (Tabel 1 a en b) en meerjarige onkruid (Tabel 2) te beheer tydens opknapping van gevestigde weidings.
- Gebruik die konvensionele of direkte plantmetodes.
- Voorkom dat geil onkruidgroeï nie verhoed dat teikenplante benat word nie.
- Moenie ou, swaar gevestigde Kikoejoe of Fynkweek met verminderde groen blaaroppervlaktes bespuit nie. Brand die grasmassa aan die einde van die winter. Laat hergroeï toe en bespuit dan in die laatsomer vir herfs vestiging van die nuwe weiding.

**Perennial running grass infestation:**

**Conventional:** Mechanical plus chemical pasture renovation.

**Light Pressure:** Prepare pasture seedbed. Allow perennial running grass and annual weeds to emerge. Apply ROUNDUP TURBO at recommended rates for the weeds present. (See Table 1). Sow new pasture 3 - 4 days after spraying.

**Heavy Pressure:** Cultivate the weeds and allow regrowth to occur. Spray with the recommended ROUNDUP TURBO rate. Allow 7 days after spraying before a second cultivation, seedbed preparation and planting.

**Pre-sowing weed control:** New germinating annual weeds can be controlled with 0,8 - 2,3 l/ha. Cyperus spp require 4,8 l/ha. Sow pasture 3 - 4 days after spraying.

**Pasture replacement and veld improvement:** Reduce trash levels by mowing or heavy grazing 3 - 4 weeks prior on ROUNDUP TURBO applications on regrowth. Drill the new pasture 3 - 4 days after spraying.

**Pasture maintenance:** Control perennial and annual weed infestations in pastures by spot spraying with a 1,2 % solution or using wipe-type equipment to weeds projecting above the pasture. (See Table 6)

**Notes:**

- Use recommended rates for the control of annual weeds (see Table 1 a and b) and perennial weeds (see Table 2) when renewing established pastures.
- Use conventional or direct drill planting methods.
- Ensure that rank weed growth does not prevent spray from reaching the target plants.
- Do not spray old heavy growth of Kikuyu or Common quick grass with a reduced green leaf area. Burn at the end of winter to reduce dry mass. Allow to regrow in summer and spray regrowth late summer. Establish new pastures thereafter in autumn.

- In die geval van oogkontak, was met baie water vir ten minste 15 minute en verkry mediese aandag indien nodig.
- Voorkom die wegdrywing van spuitnewel en/of besoedeling van nie-teiken weiding, gewasse en ander nie-teiken gebiede. Dit mag ernstige skade tot gevolg hê.
- Direkte of spuitnewelkontak van ROUNDUP TURBO met die blare, groen en/of onvolwasse bas en vrugte van nie-teiken plante kan lei tot gelokaliseerde of getranslokeerde skade.
- Verminder besoedeling van voedsel, voer, drinkwater en eetgerei.
- Wegdoening van houer:** Spoel die leë houer drie keer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die volume van die houer. Voeg die spelwater by die inhoud van die spuittenk. Vernietig die houer deur dit stukkend te steek en plat te trap. Herwin of gooi in 'n goedgekeurde stortterrein.
- In case of accidental eye contact, wash with plenty of water for at least 15 minutes and get medical attention if necessary.
- Prevent spray drift and/or contamination onto non-target grazing or crops or any other area not under treatment, as serious damage may result.
- Direct or spray drift contact by ROUNDUP TURBO with leaves, green or immature bark or fruit of non-target plants can result in localised or translocated damage.
- Prevent contamination of food, foodstuffs, drinking water and eating utensils.
- Container disposal:** Rinse the empty container three times with a volume of water equal to at least 10% of that of the container; add the rinsings to the spray tank. Perforate and flatten the empty container and do not use for any other purpose. Recycle or dispose of in an approved landfill.

**WEERSTANDS-  
WAARSKUWINGS**



**RESISTANCE  
WARNINGS**

ROUNDUP TURBO is 'n groepkode G onkruidodder. Enige populasie van 'n spesifieke onkruid mag individue insluit wat 'n natuurlike weerstand teen ROUNDUP TURBO, of enige ander groepkode G onkruidodder het. Indien hierdie onkruidodders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die onkruidpopulasie oorheers. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur ROUNDUP TURBO of enige ander groepkode G onkruidodder beheer word nie.

**Om weerstand teen onkruidodders te vertraag:**

- Verminder die eksklusiewe herhaaldelike gebruik van onkruidodders met dieselfde groepkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende onkruidodder groepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in onkruidbeheerprogramme.
- Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

For resistance management, ROUNDUP TURBO is a group code G herbicide. Any weed population may contain individuals naturally resistant to ROUNDUP TURBO and other group code G herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by ROUNDUP TURBO or any other group code G herbicide.

**To delay herbicide resistance:**

- Avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank mix with registered products from different herbicide group codes.
- Integrate other control methods (chemical, cultural, biological) into weed control programmes.
- For specific information on resistance management contact the registration holder of this product.

## GEBRUIKSAANWYSINGS



## DIRECTIONS FOR USE

### GEBRUIK SLEGS SOOS AANGEDUI

- ROUNDUP TURBO simptome kan vanaf 5 dae na bespuiting sigbaar wees.
- ROUNDUP TURBO moet op die groen blare van die teiken onkruid toegegee word. Daar moet versker word dat daar 'n egalige druppelverspreiding op alle blare van die teiken onkruid is.
- Dit is nie nodig om onkruid tot die punt van afloop te bespuit nie.
- Moenie ROUNDUP TURBO spuit as die onkruid nat is, of onder stremming is as gevolg van droogte- of versuip-toestande, of dormant is, of met stof bedek is of deur ryp beskadig is nie.
- Reën of besproeiing binne 2 ure na bespuiting mag die ROUNDUP TURBO effektiwiteit verminder.
- Enige hergroei na behandelde onkruid moet met 'n kolbespuiting oorbekandel word voordat die hergroei gevestig raak.
- Voorplant toediening van ROUNDUP TURBO op sanderige grond (minder as 10 % klei) met lae organiese materiaal inhoud en lae mikrobe aktiwiteit, moet ten minste 14 dae voor die uitplant van saailinge plaasvind.
- Moenie die aanbevole dosis oorskry nie.

### Spuitoplossing vir handspuitte en kolbespuiting.

Verlangde Volume / Desired Volume	Hoeveelheid ROUNDUP® TURBO / Amount of ROUNDUP® TURBO				
	1,2 %	1,5 %	2,0 %	3,0 %	4,0 %
5 L	60 ml	75 ml	100 ml	150 ml	200 ml
10 L	120 ml	150 ml	200 ml	300 ml	400 ml
20 L	240 ml	300 ml	400 ml	600 ml	800 ml
50 L	600 ml	750 ml	1000 ml	1500 ml	2000 ml
100 L	1200 ml	1500 ml	2000 ml	3000 ml	4000 ml

Waar rugsakspuitte gebruik word, word aanbeveel dat die voorgeskrewe hoeveelheid van hierdie pro-

### USE ONLY AS DIRECTED

- ROUNDUP TURBO symptoms may become visible from 5 days after spraying.
- ROUNDUP TURBO must be applied to the green leaves and stems of the target weeds. Ensure that there is an even droplet distribution on all leaves and stems of the target plants.
- It is not necessary to spray weeds to the point of run-off.
- Do not spray ROUNDUP TURBO when weeds are wet, suffering from drought or waterlogging stress, dormant, covered in a layer of dust or suffering from frost damage.
- Rain or irrigation within 2 hours after application can reduce the efficacy of ROUNDUP TURBO.
- Any weed regrowth should be spot sprayed before it becomes well developed.
- Pre-plant application of ROUNDUP TURBO on sandy soils (less than 10 % clay) with low organic matter and low microbial activity, should take place at least 14 days before planting any transplants or seedlings.
- Do not exceed the recommended dosage.

### Spray solution for hand held sprayers and spot-spraying.

For use in knapsack sprayers, it is suggested that the recommended amount of this product be mixed

TABEL 4 (Vervolg): GROEIREGULERING (CHEMIESE SNY)

TABLE 4 (Continued): GROWTH REGULATION (CHEMICAL MOWING)

Onkruid Weed	Naam Name	Dosis Rate	Opmerkings Remarks
<i>Sporobolus africanus</i>	Rotstert fynsaadgras Ratstail dropseed	480 - 800 ml/ha	
	<b>Opvolg-bespuisings Follow up treatments</b>	Tot by 480 ml/ha Up to 480 ml/ha	Alle onkruid in die Table 4. Gebruik laagste dosis hierbo. All weeds in Table 4. Use lowest rate above.

### Notas:

Toets op 'n klein oppervlakte alvorens groot oppervlaktes bespuit word om die optimale dosis te kry vir effektiewe groei regulering.

- Dien ROUNDUP TURBO 5 - 10 dae na afsny toe. Gebruik die korter interval in die lente en somer tydens meer aktiewe groei.
- Toediening behoort 2 - 4 meganiese operasies te vervang afhangend van dosis, spesie en weertoestande.
- Hoër dosisse sal groei langer onderdruk met 'n gepaardgaande hoër voorkoms van aanvalke chlorose (vergeling).
- Meerjarige grasse is meer sensitief vir ROUNDUP TURBO in die herfs. 'n Groter mate van chlorose kan dus verwag word. Gebruik 'n laer dosis om dit te voorkom. Gebruik die laer dosis op grasse gedurende laat lente en somer in vrugteboorde en wingerde in die winter-reënvalgebied, waar die tussen-ry nie besproei word nie (bv. drup besproeiing).

- Moenie toedien op plante wat onder stremming verkeer nie bv. droogte, versuip, ens.
- Verwyder oortollige plant-materiaal na sny, voor bespuiting.
- Dien 50 - 200 l/ha spuitvolume toe en verseker 'n egalige druppelverspreiding op die blare van teiken plante.

### Notes:

Do a test spray before treating large areas to determine the optimum rate since plant factors and the environment may influence growth regulation effects.

- Apply ROUNDUP TURBO 5 - 10 days after mowing. Use the shorter interval in spring and summer when growth is most active.
- Application should replace 2 - 4 mechanical mowings depending on dosage rate, species and climatic conditions.
- Higher dosage rates will have a longer growth regulation period and a corresponding increase in initial chlorosis (Yellowing).
- Perennial grasses are more sensitive to ROUNDUP TURBO in autumn and chlorosis can be expected to be greater during this period. Use the lower dosage rates to avoid chlorosis. In orchards and vineyards in the Winter Rainfall region where the inter-row is not irrigated (e.g. Drip irrigation) the lower dosage rate should be used for late spring and summer applications on grasses (e.g. Fescues).
- Do not apply to plants under stress conditions, e.g. drought, water-logging etc.
- Remove excess plant material after mowing, prior to spraying.
- Apply 50 - 200 l/ha spray volume and ensure even droplet distribution on target foliage.

**TABEL 4: GROEIREGULERING (CHEMIESE SNY)**  
**TABLE 4: GROWTH REGULATION (CHEMICAL MOWING)**

Die groei en blom van meerjarige pol- en kruip-grasse, tweejarige en meerjarige breëblaar- en eenjarige onkruid kan beheer word deur die toediening van nie-dodelike dosisse nadat die plante afgesny is.

The growth and flowering of tufted and running perennial grasses, biannual and perennial broad leaf weeds can be regulated by applying sub-lethal doses after mowing.

Onkruid Weed	Naam Name	Dosis Rate	Opmerkings Remarks
	Eenjarige onkruid en saailinge Annual weeds and seedlings	170 - 800 Ml/ha	Goed ontwikkelde eenjarige onkruidsaailinge en jong plante mag deur hierdie behandeling beheer word. Well developed annual weeds, seedlings and young plants may be controlled.
<i>Bromus uniloides</i>	Reddingsgras Rescue grass	320 - 640 Ml/ha	
<i>Cynodon dactylon</i>	Gewone kweek Couch grass	320 - 800 Ml/ha	
<i>Digitaria eriantha</i>	Smutsvingergras Smuts finger grass	320 - 800 Ml/ha	
<i>Erodium moschatum</i>	Turksnael Musk heron bill	480 - 640 Ml/ha	
<i>Festuca spp</i>	Swenkgras Fescues	320 - 640 Ml/ha	
<i>Hyparrhenia hirta</i>	Dek tamboekiegras Common thatch grass	320 - 800 Ml/ha	
<i>Lolium spp</i>	Raaigras Rye-grass	320 - 640 Ml/ha	
<i>Malva parviflora</i>	Kiesieblaar Small mallow	480 - 640 Ml/ha	
<i>Paspalum dilatatum</i>	Gewone paspalum Common paspalum	320 - 640 Ml/ha	
<i>Paspalum urvillei</i>	Langbeen paspalum Tall paspalum	320 - 640 Ml/ha	
<i>Pennisetum clandestinum</i>	Kikoejoe Kikuyu grass	170 - 480 Ml/ha	
<i>Plantago lanceolata</i>	Tongblaar Narrow leaved ribwort	480 - 640 Ml/ha	

duk met water in 'n groot houer vermeng word. Die rugsakspuit kan dan met die vermengde oplossing gevul word.

'n Minimum van 1,2 % ROUNDUP TURBO spuitoplossing moet gehandhaaf word. Indien nodig moet die spuitvolume aangepas word om 'n minimum spuitoplossing van 1,2 % te verseker (bv. 1,2 l ROUNDUP TURBO in 98,8 l water). Vir lae watervolumes insluitende "CDA" en "ULV" toedieningsapparaat gebruik altyd aanbevole liters per hektaar dosisse volgens onkruidspesie tabelle. Moet nie 'n spuitkonsentrasie van 40 % oorskry nie.

with water in a large container. Fill sprayer with the mixed solution.

A minimum of 1,2 % ROUNDUP TURBO solution in the total spray volume must be adhered to. Adjust water volume to achieve 1,2 % spray solution if necessary (i.e. 1,2 l ROUNDUP TURBO in 98,8 l water). For low water volumes including "CDA" and "ULV" applicators, always use the recommended liter per hectare dosage rate as per weed specie table. Do not exceed 40 % spray solution.

## VERENIGBAARHEID



## COMPATIBILITY

- Indien in 'n tenkmengsel met ander landboumiddels gemaak word, moet die etiketaanbevelings van al die betrokke middels nagekom word.
- ROUNDUP® TURBO kan met Lasso® Micro Tech®, Lasso® EC, Guardian S® en Harness® in 'n tenkmengsel gespruit word om residuele beheer te gee en met 2,4-D amien en MCPA (kaliumsout) om beheer van moeilike breëblaar-onkruid te verbeter asook vir die beheer van opslag Roundup Ready® katoen en sojabone. Verwys na hierdie etikette. Indien ROUNDUP TURBO met ander landboumiddels gemeng word, word dit aanbeveel om 'n ammoniumsulfaat mengsel (2 kg of 2 l in elke 100 l spuit water) by die spuit water te voeg voordat die betrokke middel by die water gevoeg word. ROUNDUP TURBO word direk na die amoniumsulfaat bygevoeg, maar voor die ander genoemde produkte. In geval van Lasso® Micro Tech® is voortdurende roeraksie nodig.
- Indien alkaliese of harde spuitwater gebruik word, word dit aanbeveel om ammoniumsulfaat soos hierbo by die spuitwater te voeg of om 'n buffer by die spuitwater te voeg alvorens die ROUNDUP TURBO bygevoer word. Moet nie buffer indien 2,4-D amien of MCPA gebruik word nie.
- When mixing with other agricultural remedies, adhere to all the label recommendations.
- ROUNDUP® TURBO can be mixed with Lasso® Micro Tech®, Lasso® EC, Guardian S® and Harness® to provide residual control, and 2,4-D amine and MCPA (potassium salt) to improve the control of difficult broadleaf weeds and volunteer Roundup Ready® cotton and soya beans. Refer to these separate labels. When mixing with other agricultural remedies, it is recommended to make a slurry with ammonium sulphate and add it to the spray water (2 kg or 2 l per 100 l spray water) before adding ROUNDUP TURBO. Add the tank mix product last. Continuous agitation is needed when Lasso® Micro Tech® is used as a tank mix partner.
- When spraying with alkaline or hard water, it is recommended to add ammonium sulphate as above or add a buffer to the spray water before adding the required amount of ROUNDUP TURBO. Do not use a buffer when 2,4-D amine or MCPA are used.



## TOEDIENINGS- VEREISTES



## APPLICATION REQUIREMENTS

- Voor gebruik, verseker dat die spuittoerusting skoon en korrek gekalibreer is.
- Gebruik skoonwater. Voorkom die gebruik van brak of modderige water of water met 'n hoë organiese materiaalinhoud. Waar alkaliese en/of harde water voorkom, word die byvoeging van 'n buffer volgens die etiket aanbeveel.
- Spuitvolumes moet minder as 200 l/ha wees.
- Om wegdrywing van spuitnewel te voorkom, word dit aanbeveel om lae druk (1 - 1.5 bar) en lae spuitvolumes (80 - 150 l/ha) te gebruik.
- Moenie spuit as die windsnelheid 10 km/uur oorskry nie.

### Lugtoediening

ROUNDUP TURBO kan slegs deur 'n geregi-streerde Lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SABS Kode 0118 (Aerial Application of Agricultural Pesticides) uit die lug bespuit word. Verseker dat die spuitmengsel eweredig oor die teikenarea versprei word, en die verlies aan spuit-mengsel tydens toediening tot 'n minimum beperk word. Dit is daarom belangrik om aan die volgende vereistes te voldoen:

- **Volume:** 'n Spuitmengsel volume van 30 tot 50 liter per ha word aanbeveel. Hierdie produk is nie teen 'n verlaagde volume getoets nie. Die registrasiehouer kan nie effektiwiteit waarborg, of verantwoordelik gehou word vir enige nadelige effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, toegedien word nie.
- **Druppel bedekking:** 30 tot 40 druppels per cm<sup>2</sup> moet op die teikenarea herwin word.
- **Druppelgrootte:** 'n Druppelspektrum met 'n VMD van 300 tot 400 mikrons word aanbeveel. Beperk die produksie van druppels kleiner as 150 mikrons (hoë drywing en verdampingspoten-siaal) tot 'n minimum.

- Ensure that spray equipment is clean and correctly calibrated before use.
- Use clean water. Avoid the use of brackish or muddy water or water with a high colloidal content from soils high in organic matter. Where alkaline and/or hard water occurs, it should be treated with a buffer according to label recommendations.
- Spray volumes should be less than 200 l/ha.
- It is recommended to use low pressure (1 - 1.5 bar) and low spray volumes (80 - 150 l/ha) to reduce drift.
- Do not spray when wind speed exceeds 10 km/hour.

### Aerial application

Aerial application of ROUNDUP TURBO may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SABS Code 0118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- **Volume:** A spray mixture volume of 30 to 50 litres per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- **Droplet coverage:** 30 to 40 droplets per cm<sup>2</sup> must be recovered at the target area.
- **Droplet size:** A droplet spectrum with a VMD of 300 to 400 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.

TABEL 3 (Vervolg) - TABLE 3 (Continued): Gewasspesifieke Tenkmengsels — Crop Specific Tank Mixes

Gewas Crop	Roundup Turbo Dosis/Rate	Ander Produk Other Additive Dosis/Rate	Opmerkings Remarks
Appels, Pere, Wingerd Apples, Pears, Grapevines	1,2 l/ha	MCPA 3,0 l/ha	<b>Vroeë winter:</b> (Onkruid kleiner as 15 cm hoogte). Die kombinasie word NIE vir Kiesie blaar (Malva parviflora), Gousblom (Arctotheca calendula), Hawersaadgras (Erharta spp), Echium spp. (Echium vulgare), Raaigras (Lolium spp) Sydisel (Sonchus oleraceus) en Predi-kantsluis (Bromus spp) aanbeveel NIE. <b>Early winter:</b> (Weeds under 15 cm height). This combination is NOT for Small mallow (Malva parviflora), Cape marigold (Arctotheca calen-dula), Oat seed grass (Erharta spp), Blue echium (Echium vulgare), Ryegrass (Lolium spp), Sow thistle (Sonchus oleraceus) and Brome spp. (Bromus spp).
	1,5 l/ha	MCPA 4,0 l/ha	<b>Laatwinter:</b> (Onkruid kleiner as 30 cm hoogte). Gebruik die hoër dosis vir Klawer (Medicago polymorpha), Koperdraad (Polygonum avicu-lare) en Steenboksuring (Rumex angiocarpus). <b>Late winter:</b> (Weeds under 30 cm height). Use the higher rates for Bur clover (Medicago poly-morpha), Prostrate knotweed (Polygonum avi-culare) and Sheep sorrel, (Rumex angiocarpus).

### Voorsorgmaatreëls:

- Voorkom spuit- of sproei-nwelkontak met blare, groen en jong bas van stamme, asook vrugte van gewasse.
- Laat 'n periode van 10 dae toe na snoei, of verwydering van laaghangende takke en suiers, alvorens onkruid in meerjarige gewasse bespuit word.
- Jong boompies met groen bas (normaalweg jonger as 2 jaar); beskerm stamme teen sproei-kontak.

### Precautions:

- Prevent spray/spray mist contact with leaves, green and young bark of stems as well as fruit of crops.
- Allow 10 days after pruning, or the removal of low branches and/or suckers before spraying weeds in perennial crops.
- Trees with green bark (Normally younger than 2 years) - shield stems from spray contact.

Notas oor rypmaking (Vervolg):	Notes on Sugar Cane ripening (Continued):
<ul style="list-style-type: none"> <li>ROUNDUP TURBO sal suikerriet rypmaak wat volgroei is (tot op 90 % suiwerheid), maar die beste resultate word verkry as rietkwaliteit laag is (jong onvolwasse riet of vroeg en laat in die meulseisoen).</li> <li>Hou aan met besproeiing waar van toepassing so lank as moontlik na toediening voordat die rypmaakperiode (wwar van toepassing) begin.</li> <li>Alle bestaande goedgekeurde kommersiële kultivars kan rypgemaak word.</li> <li>Die grootste suikrose-toename is gekonsentreer in die boonste nodes. Sny by die basis van die vierde blaarskede.</li> <li>Chemiese aktiwiteit, 3 - 4 weke na toediening, is soms waarneembaar in effense vergeling vroeg in die seisoen en knopswel en sy-spruiting laat in die seisoen. Knopgroei-stop en spildood mag ook voorkom.</li> <li>Ratoenriet mag meer halms ontwikkel, wat aanvanklik verpot mag voorkom, met vergelying op die blare wat sal herstel.</li> </ul>	<ul style="list-style-type: none"> <li>ROUNDUP TURBO will ripen sugar cane which is regarded as being mature (up to 90 % purity) but best results are obtained when cane quality is low (young immature cane or early and late in the milling season).</li> <li>Continue irrigation as long as possible after application before starting the drying off period where applicable.</li> <li>All currently approved commercial varieties can be ripened.</li> <li>Most of the sucrose increase is concentrated in the top nodes. Top at the base of the fourth leaf sheath.</li> <li>Chemical activity is sometimes evidenced by slight leaf yellowing in early season cane and bud swell with side shooting in late season cane, within 3-4 weeks after application. Apical growth ceases and spindle death may occur.</li> <li>Ratoon cane may have increased tiller population and/or slightly stunted tillers with chlorotic leaves which will recover.</li> </ul>

**TABEL 3 (Vervolg) - TABLE 3 (Continued): Gewasspesifieke Tenkmengsels — Crop Sefic Tank Mixes**

Gebruik die aanbevole dosisse en hou by die beperkings op die etiket van die betrokke produkte.				Use recommended rates and adhere to all label restrictions for the products involved.			
Gewas Crop	Roundup Turbo Dosis/Rate	Ander Produkt Other Additive Dosis/Rate	Opmerkings Remarks				
Appels, Pere, Wingerd Apples, Pears, Grapevines	Volgens onkruidtabelle According to weed tables.	MCPA (Kaliumsout) (Potassium salt)	Dien toe wanneer onkruid soos Tongblaar (Plantago lanceolata) en Turknael (Erodium moschatum) jonk is en aktief groei met die aanbevole MCPA dosis. Apply when weeds such as Narrow Leaved Ribwort (Plantago lanceolata), and Musk herons bill (Erodium moschatum) are young and actively growing, with the recommended MCPA rate.				

- Vlieghoogte:** Handhaar die hoogte van die spuitbalk bo die teiken op 3 tot 4 meter. Moet nie spuit wanneer die vliegtuig duik nie, uitklim of draai nie.
- Gebruik geskikte atomiseringsapparaat wat die vereiste druppelgrootte en bedekking sal produseer, maar die minste verlies van produk verseker. Die spuitstelsel moet 'n druppelspektrum met die kleinste moontlike Relatiewe Span produseer.
- Plaas al die atomiseerders in die binnenste 60 tot 75 % van die vlerkspan om te verhoed dat druppels binne-in die vlerkpuntvorteks beweeg.
- Die gebruik van 'n geregistreerde drywingsbeheermiddel en/of 'n lae drywing lugbespuiting spuitneus (bv. "straight stream nozzle") word aanbeveel.
- Die verskil in temperatuur tussen die nat- en droëboltermometer aan 'n swaaihiogrometer, moet nie 8° C oorskry nie.
- Stop bespuiting indien die windspoed 10 km/h oorskry.
- Stop bespuiting tydens turbulente, onstabiele en droë toestande gedurende die hitte van die dag.
- Bespuiting onder temperatuur inversie toestande (deur bo of binne die inversie laag te spuit) en/of hoë lugvog toestande (relatiewe humiditeit 80% en meer) mag tot die volgende probleme aanleiding gee:
  - a) verlaagde effektiwiteit aangesien die drupples as 'n wolk in die lug bly hang en moontlik verdamp (onvoldoende bedekking op teiken).
  - b) skade aan nie-teiken gewasse of sensitiewe areas as gevolg van wegdrywing van die spuitwerk na nie-teiken area.
- Verseker dat die Lugbespuitingsoperateur presies weet watter lande bespuit moet word.
- Dit is noodsaaklik om 'n versekering van die lugbespuitingsoperateur te verkry dat aan al die bogenoemde vereistes voldoen sal word en dat data van belang in 'n logboek saamgevat is vir toekomstige verwysing.
- Flying height:** Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The use of a registered drift retardant and / or low drift aerial spraying nozzle (e.g. straight stream nozzle) is recommended.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8° C.
- Stop spraying if the wind speed exceeds 10 km/h.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80% and above) may lead to the following:
  - a) reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
  - b) Damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.
- Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

## TOEDIENINGSDOSISSE



## APPLICATION RATES

ROUNDUP TURBO sal eenjarige onkruid beheer soos hieronder aangedui. Saailinge en jonger plante is meer sensitief en kan met die laer dosis beheer word. Aanbevelings word gegee in liter per hektaar vir algehele bespuitings en as 'n persentasie vir kolbespuitings.

ROUNDUP TURBO will control annual weeds as indicated below. Seedlings and young plants are more sensitive and can be controlled with the lower dosage rate as indicated. Dosage rates are given as litres per ha for broadcast spraying and as a percentage for spot treatments.

TABEL 1a: Aanbevole dosis		TABLE 1a: Recommended rates	
EENJARIGE ONKRUIDE/ANNUAL WEEDS	ONKRUID GROEISTADIUM/WEED GROWTH STAGE		
	1 - 12 Blare/ Leaves	12 + blare tot voor blom 12 + leaves to pre-flowering	Blom Flowering
Breedwerpig/ Broadcast spraying	800 - 1250 ml/ha	1250 - 2500 ml/ha	2500 - 4000 ml/ha
Kolbespuiting/ Spot spraying	1,0 - 1,5 %	1,5 %	1,5 - 2,5 %

TABEL 1b: Aanbeveling vir moeilik beheerbare eenjarige onkruid		TABLE 1b: Recommendation for difficult to control annual weeds	
EENJARIGE ONKRUIDE / ANNUAL WEEDS			
GEWONE NAAM	ONKRUID / WEED	COMMON NAME	
Wandelende jood Kanadese skraalhans Vaalskraalhans Italiaanse raaigras Drabok Gewone porselein Hartblaartaïman Nastergal	<i>* Commelina benghalensis</i> <i>* Conyza canadensis</i> <i>* Conyza floribunda</i> <i>** Lolium multiflorum</i> <i>** Lolium temulentum</i> <i>* Portulaca oleracea</i> <i>* Sida cordifolia</i> <i>* Solanum nigrum</i>	Wandering Jew Fleabane Tall fleabane Italian ryegrass Darnel Common purslane Heartleaf Sida Nightshade	

Vir verlengde onkruidodder nawerking kan ROUNDUP TURBO in tenkmengsels met sekere residuele onkruidodders (sien "MENGBAARHEID") volgens aanbevole dosisse in sekere situasies gebruik word.

\* Voeg 0.5 l 2,4-D amien of MCPA by om beheer te verbeter.

\*\* Wisselvallige beheer mag by hierdie onkruid voorkom.

For longer, persistent weed control use ROUNDUP TURBO in a tank mix with certain residual herbicides (see "COMPATIBILITY") according to recommended rates in certain situations.

\* Add 0.5 l 2,4-D or MCPA to improve the control.

\*\* Variable control of these weeds can be expected.

TABEL 3 (Vervolg) - TABLE 3 (Continued): Gewas - Suikerriet — Crop - Sugar Cane

Dosis - Rate	Opmerkings - Remarks	
6,5 - 8,0 l/ha	<b>Laaste ratoen uitwissing</b> <b>a) Minimumbewerking:</b> Laat hergroei toe tot 45 cm hoogte na laaste ratoen (stoel stadium voltooi). Dien 100 - 200 l/ha mengsel toe sodra halms verskyn. Verseker totale bedekking van teiken suikerriet.	<b>Last ratoen eradication</b> <b>a) Minimum tillage:</b> Allow regrowth after final harvest to height of 45 cm (tillering complete). Apply 100 - 200 l/ha mixture when tillers have emerged. Ensure total coverage of cane stool.
3,3 - 6,5 l/ha	<b>b) Kombinasie-bewerking:</b> Bespuit hergroei op 35 - 100 cm hoogte met ROUNDUP TURBO na laaste ratoen. Sny die suikerrietstoele na verloop van 1 - 10 dae op 'n diepte van 10 - 15 cm onder die grondoppervlak met 'n lem of soortgelyke implement. Sekere onkruid sal ook deur die behandeling beheer word. Gebruik die hoër dosis op brugbare gronde waar hergroei 'n probleem is.	<b>b) Combination tillage:</b> Spray ROUNDUP TURBO on the regrowth of the last ratoon at 35 - 100 cm height. Allow 1 - 10 days to elapse and shear cane stool at a depth of 10 - 15cm below the soil surface using a blade shear or similar implement. This will also control certain weeds. Use the higher rates on productive soils where regrowth could be a problem.
8,0 % Oplossing 8,0 % Solution	<b>Koluitwissing</b> Dien gerig toe op die lower van besmette (bv. Brand) of af-tipe lante.	<b>Spot eradication</b> Apply directed spray to foliage of diseased (eg. Smut) or off-type stools.
0,6 l/ha	<b>Rypmaking</b> Grondbespuiting	<b>Sugar Cane Ripening</b> Ground application
0,8 l/ha	<b>Lugtoediening</b>	<b>Aerial Application</b>
<b>Notas oor rypmaking:</b> <ul style="list-style-type: none"> <li>Dien toe op aktiefgroeiende riet met ten minste 8 groen blare. Moenie lande in die laatseisoen bespuit as meer as 15 % van die halms in blom is nie.</li> <li>Riet gekap van April tot Julie: Dien 6 - 8 weke voor kap toe.</li> <li>Riet gekap van Oktober tot Januarie: Dien 4 - 6 weke voor kap toe.</li> <li>Moenie probeer om riet ryp te maak wat onder stremming verkeer nie.</li> <li>Moenie lande bespuit wat vir saaddoeleindes gekap word nie.</li> </ul>		
<b>Notes on Sugar Cane ripening:</b> <ul style="list-style-type: none"> <li>Apply to actively growing cane with at least 8 green leaves. Do not apply where there are more than 15 % flowered stalks during the late season.</li> <li>Cane harvested from April to July: Apply 6 - 8 weeks prior to harvest.</li> <li>Cane harvested from October to January: Apply 4 - 6 weeks prior to harvest.</li> <li>Do not attempt to ripen sugar cane which is growing under stress.</li> <li>Do not apply to sugar cane to be harvested for seed purposes.</li> </ul>		



TABEL 3 (Vervolg) - TABLE 3 (Continued): Gewasse - Spesifiek — Crops - Specific		
Gewas - Crop	Opmerkings - Remarks	
Wingerd Grapevines	<ul style="list-style-type: none"><li>▪ Na bot - skerm stokke af en doen gerigte tussenrybespuiting of gebruik 'n bedekte spuit.</li></ul>	<ul style="list-style-type: none"><li>▪ After budding - shield vines and do a directed inter-row application with a covered applicator</li></ul>
	<ul style="list-style-type: none"><li>▪ <b>2 jaar oue wingers - 1 jaar na plant (2<sup>de</sup> blad):</b><ul style="list-style-type: none"><li>▪ Dormante stadium - kan bo-oor stokke toedien en snoei direk na toediening (binne 24 uur).</li><li>▪ Na bot - skerm stokke af en doen gerigte tussenrybespuiting of gebruik 'n bedekte spuit.</li></ul></li></ul> <p><b>NOTA:</b> Indien inboetstokke aanwesig is, behandel soos vir 1ste bladwingers.</p>	<ul style="list-style-type: none"><li>▪ <b>2 year old vines - 1 year after planting (2<sup>nd</sup> leaf):</b><ul style="list-style-type: none"><li>▪ Dormant stage - can be applied over vines and prune directly after application (within 24 hours).</li><li>▪ After budding - shield vines and do a directed inter-row application with a covered applicator.</li></ul></li></ul> <p><b>NOTE:</b> If new vines were blanked in treat as for 1st leaf vines.</p>
	<ul style="list-style-type: none"><li>▪ <b>Vanaf 3 jaar en ouer wingerd - (3<sup>de</sup> blad en ouer):</b><ul style="list-style-type: none"><li>▪ Dormante stadium - kan bo-oor stokke toegedien word.</li><li>▪ Na bot - doen gerigte tussenrybespuiting of gebruik 'n bedekte spuit.</li></ul></li></ul>	<ul style="list-style-type: none"><li>▪ <b>From 3 year old vines - (3<sup>rd</sup> leaf and older):</b><ul style="list-style-type: none"><li>▪ Dormant stage - can be applied over vines.</li><li>▪ After budding - do a directed inter-row application or an application with a covered sprayer.</li></ul></li></ul>
	Sisal	Dien as 'n gerigte tussenry-bespuiting toe in kwekery en by volwasse plante.
TABEL 3 (Vervolg) - TABLE 3 (Continued): Gewas - Suikerriet — Crop - Sugar Cane		
Dosis - Rate	Opmerkings - Remarks	
0,8 - 2,5 l/ha	<b>Voor plant</b> Dien toe op aktiefgroeïende EENJARIGE onkruid	<b>Pre-plant</b> Apply to actively growing ANNUAL weeds
Tabel 2 Table 2	Dien toe op aktiefgroeïende MEERJARIGE onkruid	Apply to actively growing PERENNIAL weeds
1,5 % Oplossing 1,5 % Solution	<b>Randbespuiting en Kolbespuit om landerye</b> Dien as 'n 1 m wyd randbespuiting toe op aktiefgroeïende onkruid om landerye veral waar kruipende grasse (rankgrasse) landerye wil binnedring.	<b>Verge spray and Spot spray around fields</b> Apply as a 1 m wide verge application to actively growing weeds around fields, especially where running grasses may encroach cane fields.

TABEL 2: TWEEJARIGE, MEERJARIGE EN WATERONKRUIDE TABLE 2: BIENNIAL, PERENNIAL AND AQUATIC WEEDS								
Onkruid Weed	Gewone Naam Common Name	Aanvanklike Initial		Opvolg- bespuiting Follow up Spray		Kolbe- spuiting Spot Spray		Opmerkings Remarks
		Dosis Rate	Oplossing Solution					
<b>Acacia mearnsii</b>	Swartwattel Black wattle	2,4	1,2		1,2		1,2	Spuit tot 1 m hoogte. Spray up to 1 m height.
<b>Acacia saligna</b>	Port Jackson Willow	1,5	1,2		1,2		1,2	Slegs vir saailinge: Tweeblaarstadium. Seedlings only: Bipinnate leaf stage.
		3,0	1,2		1,2		1,2	Tot 60 cm hoogte. Up to 60 cm height.
<b>Caesalpinea decapetala</b>	Kraaldoring Mauritius thorn	2,4	1,2		1,2		1,2	Spuit tot 1 m hoogte. Spray up to 1 m height.
<b>Chromolaena odorata</b>	Eupatorium Triffid weed	2,4	1,2					Kap gevestigde plante af. Bespuit hergroei op 50 - 120 cm hoogte. Verseker volledige druppelbedekking op die lower. Vorige gekapte meerstammige plante mag 'n opvolg behandeling benodig. Slash established plant. Spray on regrowth at 50 - 120 cm height to give complete droplet cover of the foliage. Previously slashed multi-stem plants may require a follow up treatment.
<b>Convolvulus arvensis</b>	Akkerwinde Field bindweed	4,8	2,4	2,4	1,2	2,4	1,2	Dien toe sodra begin blom. Opvolgbespuiting of kolbespuit op hergroei. Apply at start of flowering. Follow up spray or spotspray on regrowth.
<b>Cynodon dactylon</b>	Kweek Common quick grass	4,8	2,4	3,0	1,5	3,0	1,0	Dien toe in die herfs en doen opvolgbespuiting of kolbespuiting van hergroei gedurende die somer. Of, dien toe in die somer en doen opvolgbespuiting van hergroei in die herfs. Apply in autumn and follow up in summer or spotspray on regrowth. Or apply in summer and follow up in autumn on regrowth.
		7,2	3,6	3,0	1,5	3,0		Winterreënvalgebied: Dien toe in herfs maar voor enige rup. Winter rainfall area: Apply in autumn but before frost.

TABEL 2 (Vervolg): TWEEJARIGE, MEERJARIGE EN WATERONKRUIDE TABLE 2 (Continued): BIENNIAL, PERENNIAL AND AQUATIC WEEDS									
Onkruid Weed	Gewone Naam Common Name	Aanvanklike Initial		Opvolg- bespuiting		Kolbe- spuiting		Opmerkings	
		Dosis Rate	Oplossing Solution	Follow up Spray		Spot Spray		Remarks	
<b>Cyperus esulentus</b>	Geeluintjie Yellow nutsedge	4,8	2,4	2,4	1,2	2,4	1,2	Dien toe voor plant blom. Opvolgbespuiting of kolbespuit op her- groei gedurende Feb/Mar. Apply before flowering. Follow up or spotspray on regrowth in Feb/Mar.	
<b>Cyperus rotundus</b>	Rooiuintjie Purple nutsedge	4,8	2,4	2,4	1,2	2,4	1,2	Dien toe voor plant blom. Opvolgbespuiting of kolbespuit op her- groei gedurende Feb/Mar. Apply before flowering. Follow up or spotspray on regrowth in Feb/Mar.	
<b>Eichhornia crassipes</b>	Water hiasint Water Hyacinth	4,8	2,4		2,4	2,4		Rugsakspuit / Knapsack sprayer	
			3,2		3,2	3,2		Newelblaser / Mistblower  Dien toe wanneer nuwe blare maksimaal sigbaar is. Apply when maximum exposure of new leaves are visible.	
<b>Eragrostis curvula</b>	Oulandsgras Weeping love grass	1,5	1,2		1,2		1,2		
<b>Erodium moschatum</b>	Turknael Musk heron's bill	2,4	1,2		1,2		1,2	Dien toe voor 12-blaarstadium in 'n tenk- mengsel met die aanbevole MCPA-dosis. Apply before 12 leaf stage in tankmix with recommended MCPA rate before bud- burst.	
<b>Lantana camara</b>	Gewone lantana Lantana	4,8	2,4		2,4	2,4		Rugsakspuit / Knapsack sprayer	
			3,2		3,2	3,2		Newelblaser / Mistblower	
<b>Malva parviflora</b>	Kiesieblaar Small mallow	2,4	1,2		1,2		1,2	Bespuit voor blom alleenlik in tenkmeng- sel met die aanbevole simasiendosis. Apply before flowering in tank mix with recommended simazine rate.	

TABEL 3 (Vervolg) - TABLE 3 (Continued): Gewasse - Spesifiek — Crops - Specific			
Gewas - Crop		Opmerkings - Remarks	
Bloekom- stompuit- wissing Eucalyptus stump eradication	50 ml van 10 % oplossing 50 ml of 10 % solution	<ul style="list-style-type: none"><li>▪ Enkelstam stomp (bome wat nie hergroeï van 'n moederstam nie).</li><li>▪ Single stem stump (trees never coppiced).</li></ul>	
<b>Notas oor bloekomstomp-uitwissing:</b>		<b>Notes on Eucalyptus stump eradication:</b>	
<ul style="list-style-type: none"><li>▪ Dien oplossing toe vir volledige benutting van veral die kambium-area (waar bas en bout ontmoet).</li><li>▪ Gebruik 'n lae druk rugsakspuit met holkegel spuitpunte vir volledige stompbenutting. Dien toe nadat die bome gefel is en die saagsels op die oppervlakte verwyder is. Stompe wat uitloop na behandeling moet korter afgesaag of geringuleer word om die totale kambium bloot te lê vir verdere behandeling.</li><li>▪ 'n Pluiserige hergroeï mag voorkom wat normaalweg terugsterf. Indien nie, verwyder met die hand of spuit 'n 1,5 % ROUNDUP TURBO-oplossing met die nodige voorsorg om wegdrywing na nuutgevestigde saailinge te voorkom.</li><li>▪ Ander spesies as Eucalyptus grandis mag wisselvallige resultate met ROUNDUP TURBO lewer en 'n herbespuiting mag nodig wees.</li></ul>		<ul style="list-style-type: none"><li>▪ Apply solution to give complete stump wetting especially to the cambium region (where bark and wood meet).</li><li>▪ Use a low pressure knapsack sprayer with a solid cone nozzle to wet entire stump. Apply after felling and removal of sawdust on surface to be treated. Apply on the same day as felling. Stumps which coppice after treatment should be undercut or ring barked to expose the entire cambium region which must then be treated.</li><li>▪ A fuzzy coppice regrowth may occur which normally dies back. If not, remove it by hand or apply a 1,5 % ROUNDUP TURBO solution avoiding drift onto newly established seedlings.</li><li>▪ Species other than Eucalyptus grandis may show a variable response to ROUNDUP TURBO and may require re-treatment.</li></ul>	
TABEL 3 (Vervolg) - TABLE 3 (Continued): Gewasse - Spesifiek — Crops - Specific			
Gewas - Crop		Opmerkings - Remarks	
Piesangs Bananas		Beskerm suiers en groen stamme teen sproeikontak. Protect suckers and green stems from spray contact.	
Brame Blackberry		Gebruik slegs bestryktipe toerusting. Vermyn kontak met die gewas. Use only wipe type equipment and prevent direct crop contact.	
Pynappels en Turksyve Pineapples/Prickly Pears		Dien alleenlik toe as 'n gerigte tussenrybespuiting. Apply only as a directed inter-row application.	
Wingerd Grapevines		<div>Dien ROUNDUP TURBO soos volg toe:</div> <div><ul style="list-style-type: none"><li>▪ 1 jaar oue wingerd - jaar van plant (1<sup>ste</sup> blad):<ul style="list-style-type: none"><li>▪ Dormante stadium - doen gerigte tussenrybespuiting en snoei direk na toediening (binne 24 uur).</li></ul></li></ul></div> <div>Apply ROUNDUP TURBO as follows:</div> <div><ul style="list-style-type: none"><li>▪ 1 year old vines - year of plant (1<sup>st</sup> leaf):<ul style="list-style-type: none"><li>▪ Dormant stage - do a directed interrow application and prune directly after application (within 24 hours).</li></ul></li></ul></div>	

TABEL 3: GEWAS AANBEVELINGS		TABLE 3: CROP RECOMMENDATION	
Gewasse - Algemeen		Crops - General	
Aalwyn, Amandels, Appels, Appelkose, Avokado, Grenadella, Hops, Kersie, Kiwi vrugte, Koffie, Koejawel, Kwepers, Lietjies, Mangos, Makadamianeute, Nektariens, Olywe, Papaja, Pere, Perskes, Pekanneute, Pruimek, Pruimedante, Sagtevrugte en Tee.		Almond, Aloe, Apples, Apricots, Avocados, Cherries, Citrus, Coffee, Decidious fruit, Granadilla, Guava, Hops, Kiwi fruit, Litchis, Macadamia Nuts, Mangoes, Nectarines, Olives, Papayas, Peaches, Pears, Pecan Nuts, Plums, Prunes, Quince and Tea.	
<b>Aanbevole dosis:</b> Sien aanbevelings vir spesifieke onkruidbeheer.		<b>Dosage Rate:</b> See recommendations for specific weeds controlled.	
Vermi spuitkontak met blare, groen of onvolwasse bas en vrugte van nie-teiken plante / gewas tydens toediening. By bome met groen bas (gewoonlik jonger as 2 jaar), moet die stamme beskerm word teen sproeikontak.		Prevent spray / spray mist contact with leaves, green and young bark of stems as well as fruits of crops. Trees with green bark (normally younger than 2 years) - shield stems from spray contact.	

TABEL 3 (Vervolg) - TABLE 3 (Continued): Gewasse - Spesifiek — Crops - Specific			
Gewas - Crop		Opmerkings - Remarks	
Landerye (Eenjarige onkruid) Arable crop land (Annual weeds)	Tabel 1a & b Table 1a & b	Gebruik ROUNDUP TURBO na oes van die vorige gewas, maar voor opkom van die nuwe gewas. Gebruik die hoër dosis vir eenjarige onkruid ouer as die 12-blaarstadium of gevestigde plante. Die byvoeging van van 0,5 l MCPA of 0,5 l 2,4-D (amiensout) per ha sal beheer van moeilik onkruid verbeter en sal ook opslag Roundup Ready soja- en katoenplante beheer. Use ROUNDUP TURBO after harvesting of the previous crop and prior to the emergence of the new crop. Use the higher rates on annual weeds exceeding 12 leaf stage or established plants. The addition of 0,5 l MCPA or 0,5 l 2,4D (amine salt) per ha will improve control of difficult broadleaf weeds and will also control Roundup Ready soja and cotton volunteers.	
Landerye (Meerjarige onkruid) Arable crop land (Perennial weeds)	Tabel 2 Table 2	Vir wintergeharde of houtagtige <i>Conyza</i> spp. (Skraalhans) en <i>Senecio</i> spp. gebruik 2,3 - 3,6 l/ha. Die byvoeging van 1,0 l/ha 2,4-D (amien) sal beheer verbeter in voorplant situasies. For winter-hardened or woody <i>Conyza</i> spp. (Fleabane) and <i>Senecio</i> spp. use 2,3 - 3,6 l/ha. The addition of 1,0 l/ha 2,4-D (amine salt) will improve control in pre-plant situations.	
Bosbou Forestry	Tabel 1 & 2 Table 1 & 2	<b>Vir die vestiging van:</b> <ul style="list-style-type: none"> <li>Vuurbane, algeheel of stroke;</li> <li>Voorplant stroke in onversteurde veld;</li> <li>Na oes, voor plant skoonmaak;</li> <li>Wattel hervestiging en die beheer van indringer-, skadelike en meerjarige of probleemonkruid.</li> </ul>	<b>For the establishment of:</b> <ul style="list-style-type: none"> <li>Firebreaks, total or tracer lines;</li> <li>Pre-plant trace line in virgin veld;</li> <li>Post harvest re-plant clean up;</li> <li>Wattle re-establishment and the control of alien, noxious and perennial or problem weeds.</li> </ul>

TABEL 2 (Vervolg): TWEEJARIGE, MEERJARIGE EN WATERONKRUIDE TABLE 2 (Continued): BIENNIAL, PERENNIAL AND AQUATIC WEEDS									
Onkruid Weed	Gewone Naam Common Name	Aanvanklike Initial		Opvolg-bespuiting Follow up Spray		Kolbe-spuiting Spot Spray		Opmerkings Remarks	
		Dosis Rate	Oplossing Solution						
<i>Oenothera stricta</i>	Nagblom Evening Primrose	2,4	1,2		1,2		1,2	Dien toe voor 12-blaarstadium in 'n tenk-mengsel met aanbevole simasiendosis. Apply before 12 leaf stage in tankmix with recommended simazine rate.	
<i>Opuntia ficus-indica</i>	Turksvy Prickly pear							<b>Stam-inspuiting:</b> Dien 2 ml van 'n 18,0 % oplossing in elk van 4 - 12 voorafgeboorde gate in die stam van bome met 20 - 250 blaaie toe (Raadpleeg u verteenwoordiger vir meer besonderhede). <b>Stem injection:</b> Apply 2 ml of a 18,0 % solution into each of 4 - 12 pre-made holes in the stem of trees with 20 - 250 cladodes (consult the representative for more information).	
<i>Panicum maximum</i>	Buffelsgras Buffalo or Ubabe grass	4,8	2,4	2,4	1,2	2,4	1,2	Opvolgbespuiting of kolbespuiting op hergroei. Follow up or spotspray on regrowth.	
<i>Paspalum dilatatum</i>	Polpaspalum Common paspalum	4,8	2,4	2,4	1,2	2,4	1,2	Dien toe met blom, maar beslis voor saadval. Opvolgbespuiting of kolbespuiting op hergroei. Initial spray at flowering stage but before seeds are shed. Follow up spray or spot-spray on regrowth.	
<i>Paspalum paspaloides</i>	Kweekpaspalum Couch paspalum	6,5	3,0	3,0	1,5	3,0	1,5	Dien toe met blom, maar beslis voor saadval. Opvolgbespuiting of kolbespuiting op hergroei. Initial spray at flowering stage but before seeds are shed. Follow up spray or spot-spray on regrowth.	
<i>Pennisetum clandestinum</i>	Kikoejoe Kikuyu	3,0	1,2	2,4	1,2	2,4	1,2	<b>Winterreënvalgebied:</b> Dien toe in herfs, maar voor enige ryp. <b>Winter rainfall area:</b> apply in autumn but before frost.	

TABEL 2 (Vervolg): TWEEJARIGE, MEERJARIGE EN WATERONKRUIDE TABLE 2 (Continued): BIENNIAL, PERENNIAL AND AQUATIC WEEDS									
Onkruid	Gewone Naam	Aanvanklike Initial		Opvolg-bespuiting		Kolbe-spuiting		Opmerkings	
Weed	Common Name	Dosis Rate	Oplossing Solution	Follow up Spray		Spot Spray		Remarks	
<b><i>Pennisetum clandestinum</i></b>	Kikoejoe Kikuyu	3,0	1,2	2,4	1,2	2,4	1,2	Apply on active growth during summer or autumn for winter rainfall area but before frost follow up spray or spotspray on regrowth.	
<b><i>Phragmites australis</i></b>	Fluitjiesriet Common reed	4,8	2,4		1,2		1,2	Rugsakspuit. Kap hergroei af. Bespuit daaropvolgende hergroei op 45 cm hoogte. Knapsack sprayer. Slash regrowth and spray the following regrowth at 45 cm height.	
			3,2		1,5		1,5	Newelblaser. Kap hergroei af. Bespuit daaropvolgende hergroei op 45 cm hoogte. Mistblower. Slash regrowth and spray the following regrowth at 45 cm height. Dien toe op 20 - 30 % blom-stadium. Apply at 20 - 30 % flowering.	
<b><i>Phytolacca heptandra</i></b>	Inkbessie Ink berry	2,4	1,2		1,2		1,2	Spuut tot 1 m hoogte. Spray up to 1 m height.	
<b><i>Plantago lanceolata</i></b>	Tongblaar Narrow-leaved ribwort	2,4	1,2		1,2		1,2	Bespuit voor blom. Apply before flowering.	
<b><i>Rubus spp.</i></b>	Brame American bramble	4,8	2,4		1,2		1,2	Rugsakspuit / Knapsack sprayer	
			3,0		1,5		1,5	Newelblaser / Mistblower	
<b><i>Rumex spp.</i></b>	Steenboksuring Sorrel	2,4	1,2		1,2		1,2	Bespuit voor blom. Apply before flowering.	
<b><i>Sesbania punicea</i></b>	Sesbania	2,4	1,2		1,2		1,2	<b>Saailinge:</b> Tot 1 m hoogte. <b>Seedlings:</b> Up to 1 m height.	
		2,4	1,2 - 1,5		1,2 - 1,5		1,2 - 1,5	Struik - lang bome: Snu af en bespuit hergroei op 1 m hoogte. Shrubs - tall trees: Slash, spray regrowth at 1 m height.	
		3,0	1,5		1,5		1,5	<b>Saailinge:</b> hoër as 1 m. <b>Seedlings:</b> over 1 m hight.	

TABEL 2 (Vervolg): TWEEJARIGE, MEERJARIGE EN WATERONKRUIDE TABLE 2 (Continued): BIENNIAL, PERENNIAL AND AQUATIC WEEDS									
Onkruid	Gewone Naam	Aanvanklike Initial		Opvolg-bespuiting		Kolbe-spuiting		Opmerkings	
Weed	Common Name	Dosis Rate	Oplossing Solution	Follow up Spray		Spot Spray		Remarks	
<b><i>Setaria chevalieri</i></b>	Bosbuffels gras Bush Buffalo gras	4,8	2,4		1,2		1,2	Rugsakspuit Knapsack sprayer	
			3,0		1,5		1,5	Newelblaser Mistblower	
<b><i>Solanum mauritianum</i></b>	Luisboom Bugweed	1,2	0,4	1,2				<b>Saailinge:</b> Spuit tot 1 m hoogte. <b>Seedlings:</b> Spray up to 1 m height.	
		1,5	1,2		1,2		1,2	<b>Groot bome:</b> Kap stam terug tot 5 - 20 cm hoogte. Spuit indien hergroei kniehoogte is. <b>Large trees:</b> Cut stems back to 5 - 20 cm height. Wait for regrowth to knee height before spraying.	
<b><i>Sorghum bicolor</i></b>	Wilde graansorghum Wild grain sorghum	1,5	1,2		1,2	1,2			
<b><i>Sorghum hlapense</i></b>	Johnsongras Johnson grass	1,5	1,2	2,4	1,2	2,4	1,2	Opvolgbespuiting op hergroei, of kolbespuiting. Follow up spray or spotspray on regrowth.	
<b><i>Stipa trichotoma</i></b>	Nasella polgras Nasella tussock grass	4,8	1,2		1,5		1,5	Gebruik hoëvolume-mengsel van 400 l/ha. Kolbespuit hergroei of bespuit vroeg in lente. Use high volume of 400 l/ha total mixture. Spotspray regrowth or in early spring.	