

VERSUS

Reg. No./Nr.: L8879 Act No. 36 of 1947 • Namibia: N-AR 1317 • Botswana: W1301020

A selective herbicide suitable for the control of broadleaf weeds as listed, on lawns, golf courses, bowling greens, and sporting fields.

ACTIVE INGREDIENTS:

Dicamba (benzoic acid)(as dimethyl amine salt) 120 g/l a.e./s.c.
 2,4-D (phenoxy compound)(as dimethyl amine salt) 180 g/l a.e./s.c.
 MCPA (phenoxy compound) (as dimethyl amine salt) 157,5 g/l a.e./s.c.

REGISTRATION HOLDER:

Arysta LifeScience South Africa (PTY) LTD
 Co. Reg. No.: 2009/019713/07
 7 Sunbury Office Park , Off Douglas Saunders Drive
 La Lucia, 4019 • Tel: (031) 514-5600

DISTRIBUTOR:

PROTEK, a division of **PE-BEE Agri (PTY) LTD**
 Co. Reg. No.: 2005/036308/07
 P.O. Box 72, Heidelberg, 1438
 Tel: (011) 812 9800 or 0861 PROTEK (0861 77 68 35)
 www.proteksa.co.za

EMERGENCY NO.: 082 446 8946

UN No.: 3082



WARNINGS:

- Allow 7 days between the last application and grazing of pastures.
- Handle with care.
- Poisonous when swallowed. May cause skin and eye irritation.
- Toxic to fish.
- Store away from food, feeds, seed and other agricultural chemicals.
- Keep out of reach of children, uninformed persons and animals.

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 may be affected by factors such as abnormal soil, climatic and storage conditions; quality of dilution water; compatibility with other substances not indicated on the label and the occurrence of resistance of weeds against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier or registration holder in the event of any uncertainty.

PRECAUTIONS:

- Do not inhale spray mist.
- Wash contaminated clothing daily.
- Wash with soap and water after use.
- Do not eat, drink or smoke whilst mixing or applying, before washing hands and face and change of clothing.
- Clean applicator with a household ammonia solution (1 %) before using with other herbicides. Let solution stand for several hours, preferably overnight. Rinse at least twice. This applicator should not be used for applying chemicals other than herbicides. Dispose of wash water where it will not contaminate food, grazing, rivers or dams.
- Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy empty container by perforation and flattening and never use for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

USE RESTRICTIONS:

Do not permit drift, vapour or spray mist to come into contact with sensitive broadleaf ornamentals, crops, or fruit. Apply the product strictly in accordance with label recommendations.

THE WIND SPEED AND DIRECTION AT THE TIME OF APPLICATION WILL DETERMINE THE DISTANCE WHICH MUST SEPARATE THE CLOSEST EDGE OF THE AREA TO BE SPRAYED FROM SUSCEPTIBLE CROPS	
WIND SPEED km / h	GROUND APPLICATION
1,5 – 5	200 m downwind 200 m crosswind 6 m upwind
5 – 10	400 m downwind 200 m crosswind 1,5 m upwind
10 – 15	800 m downwind 400 m crosswind 1,5 m upwind
Above 15	Prohibited

DIRECTIONS FOR USE: Use only as directed.

VERSUS 457,5 SL is a selective broadleaf herbicide to be used on common *Cynodon* turf varieties such as Hall's Selection, Florida, Skaapplaas, Cape Royal, etc. as well as Kikuyu and Swazi grass. Not to be used on Daisy lawn. **VERSUS 457,5 SL** is applied once weeds have emerged and are in an active stage of growth. As young weeds are more susceptible, always apply this product at the earliest opportunity. **VERSUS 457,5 SL** will perform better under ideal growing conditions. The application of a nitrogenous fertilizer three weeks prior to treatment may serve to further enhance the control of target weeds. Adverse growing conditions such as excessively cold weather or heat, drought

or excessive rain, may also result in reduced efficacy. Take note that recommendations given are suitable for conditions which can be regarded as average for the region and not for abnormal situations.

Rain or irrigation within 2 hours of application may adversely affect final results. To avoid any application errors, careful calibration of the spray equipment prior to spraying, is required. For proper herbicide distribution over the target area, apply at least 200 l of water per hectare.

APPLICATION:

Avoid fine droplets by using low pressure flat fan nozzles of 80° or equivalent anti-drift type, and do not exceed spray pressure of 200 kPa. Do not exceed spray height of 50 cm above target weeds and ground speed of 10 km/hour. Do not apply if wind velocity exceeds 15 km/hour (see **USE RESTRICTIONS** above). With regards to humidity, the difference between the wet and dry bulb readings on a whirling hygrometer must not exceed 8 °C.

RATES OF APPLICATION:

SITUATION	DOSAGE RATE 100m ²	REMARKS
On putting and bowling greens	20 mℓ/4 ℓ water	Use 100 mℓ/500 m ² (2 ℓ/ha). Do not exceed this dosage. Repeat as necessary but not more than once in six weeks.
On sporting turf, golf course fairways, tees and lawns	50 – 70 mℓ/4 ℓ water	For smaller areas use 50 mℓ/100 m ² . Use the higher rate for <i>Alternanthera pungens</i> and <i>Brayulinea densa</i> . A follow-up application may be required.
Pre-emergence weed control in newly planted lawns	70 mℓ/4 ℓ water	In newly planted turf, VERSUS 457,5 SL may also be used for pre-emergence control of weeds. It should be applied at 70 mℓ/4 ℓ water immediately after planting of stolons, but before weeds have emerged. This treatment will provide control of annual grasses in addition to the weeds listed below, for a period of 3 – 6 weeks depending on rainfall and/or irrigation.

PARTIAL LIST OF WEEDS NORMALLY CONTROLLED AT 50 mℓ/100m²

Botanical Name	Common Name	Botanical Name	Common Name
<i>Bidens spp.</i>	Blackjack	<i>Lepidium spp.</i>	Pepper cress
<i>Chenopodium album</i>	White goosefoot	<i>Medicago polymorpha</i>	Burclover
<i>Coronopus didymus</i>	Swine cress	<i>Plantago spp.</i>	Ribwort
<i>Emex australis</i>	Spiny Emex	<i>Tagetes minuta</i>	Khaki weed
<i>Conyza spp.</i>	Fleabane	<i>Taraxacum officinale</i>	Common dandelion
<i>Chamaesyce spp.</i>	Milkweed spp.	<i>Tribulus terrestris</i>	Dubbeltjie

WEEDS NORMALLY CONTROLLED AT 70 mℓ/100m²

Botanical Name	Common Name
<i>Alternanthera pungens</i>	Khaki burweed
<i>Brayulinea densa</i>	Carrot weed
<i>Oxalis corniculata</i>	Creeping sorrel

NOTE: Follow-up applications at three-weekly intervals may be required for complete control of the abovementioned three weed species.

VERSUS

Reg. No./Nr.: L8879 Wet Nr. 36 van 1947 • Namibia: N-AR 1317 • Botswana: W1301020

’n Selektiewe onkruidodder vir die beheer van breëblaaronkruid soos aangedui, in grasperke, gholfbane, rolbalbane en ander sportvelde.

AKTIEWE BESTANDELE:

Dikamba (bensoësuur)(as dimetielamiensout) 120 g/l a.e./s.c.
 2,4-D (fenoksieverbinding) (as dimetielamiensout) 180 g/l a.e./s.c.
 MCPA (fenoksieverbinding) (as dimetielamiensout) 157,5 g/l a.e./s.c.

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WAARSKUWINGS:

- Daar moet 7 dae verloop na die laaste toediening, voordat beweiding mag plaasvind.
- Hanteer versigtig.
- Giftig wanneer ingesluk word. Mag vel- en oogirritasie veroorsaak.
- Giftig vir visse.
- Stoor weg van voedsel, voer en ander landbouchemikalieë.
- Hou buite bereik van kinders, oningeligte persone en diere.

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

VOORSORGMATREËLS:

- Moet nie spuitnewel inasem nie.
- Was besoedelde klere daagliks.
- Was met seep en water na gebruik.
- Moet nie eet, drink of rook tydens vermenging of toediening, voordat hande en gesig gewas is nie.
- Maak spuittoerusting met 'n oplossing van huishoudelike ammoniak (1 %) skoon, voordat ander onkruid-doders toegedien word. Laat staan die oplossing vir 'n paar uur, verkieslik oornag. Spoel daarna minstens twee keer uit. Hierdie spuittoerusting behoort nie gebruik te word vir die toediening van enige ander chemikalieë nie – slegs onkruidodders. Raak ontslae van waswater waar dit nie voedsel, weiding, riviere of damme sal besoedel nie.
- Keer die leë houër om oor die spuitenk of mengbak en dreineer vir minstens 30 sekondes nadat die vloeï tot 'n gedrup verminder het. Spoel die houër daarna drie keer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die houër. Gooi die spoelwater by die inhoud van die spuitenk voordat die houër op die voorgeskrewe wyse vernietig word.
- Vernietig leë houër deur gate daarin te maak en plat te druk. Moet vir geen ander doel hergebruik nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

GEBRUIKSBEPERKINGS:

Verhoed dat dampe of spuitnewel in aanraking kom met of wegdryf na sensitiewe breëblaargewasse, vrugtebome of sierplante ten einde skade te voorkom. Dien die produk streng volgens die gebruiksaanwysings toe.

DIE WINDSPOED EN WINDRIGTING TYDENS TOEDIENING SAL DIE AFSTAND TUSSEN DIE NAASTE RAND VAN DIE GEBIED WAT BESPUIT MOET WORD EN DIE GEVOELIGE GEWASSE BEPAAL.	
WINDSPOED km / h	GRONDTOEDIENING
1,5 – 5	200 m windaf 200 m dwarswind 6 m windop
5 – 10	400 m windaf 200 m dwarswind 1,5 m windop
10 – 15	800 m windaf 400 m dwarswind 1,5 m windop
Meer as 15	Verbode

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.

VERSUS 457,5 SL is 'n selektiewe breëblaar-onkruidodder wat op gewone *Cynodon*-turfvariëteite, bv Florida, Hall's Selection, Skaapplaas, Cape Royal, asook op Kikoejoe en

Swazi-gras gebruik kan word. Moet nie op Magriet-gras gebruik nie. **VERSUS 457,5 SL** word na onkruid opgekom het, toegedien – wanneer plante in 'n aktiewe groeistadium is. Aangesien jong onkruid meer vatbaar is, moet daar so vroeg moontlik gespuit word. **VERSUS 457,5 SL** sal die beste resultate lewer wanneer die groeitoestande optimaal is. Die aanwending van stikstofbevattende bemesting drie weke voor behandeling, sal die beheer van teikenonkruid verbeter. Ongunstige toestande, soos buitengewone koue weer of oormatige hitte, droogte of te veel reën kan die effek van die onkruidodder benadeel. Let daarop dat die aanbevelings betrekking het op gemiddelde toestande vir die streek en nie op abnormale omstandighede nie.

Reën of besproeiing binne 2 uur na toediening kan die uitwerking benadeel. Om enige foute tydens toediening te voorkom, moet die spuitapparaat eers sorgvuldig gekalibreer word. Om die onkruidodder egalig te versprei oor die teikenarea, word dit aanbeveel dat minstens 200 l water/hektaar gebruik word.

TOEDIENING:

Vermyn druppels deur lae-druk platwaaierspuitpunte van 80° of ekwivalente anti-wegdrywing tipe, te gebruik. Die spuitdruk moet nie 200 kPa oorskry nie. Moenie 'n spuithoogte van 50 cm bokant die teikenonkruid en 'n grondspoed van 10 km/h oorskry nie. Moenie toedien indien die windspoed 15 km/h oorskry (sien **GEBRUIKSBEPERKINGS** hierbo). Wat humiditeit betref, moet die verskil tussen die nat- en droëbollesing, soos met 'n swaaihgrometer bepaal, moet nie meer as 8 °C wees nie.

TOEDIENINGSHOEVEELHEDE:

OMSTANDIGHEDE	DOSIS/100m²	OPMERKINGS
Op setperke en rolbalbane	20 ml/4 l water	Moenie hierdie dosis oorskry nie. Herhaal indien nodig, maar nie meer as een keer elke ses weke nie.
Op sportterreine, gholfbaan-skoonvelde en grasperke	50 – 70 ml/4 l water	Vir kleiner oppervlakte gebruik 50 ml/100 m². Gebruik die hoër dosis vir <i>Alternanthera pungens</i> en <i>Brayulinea densa</i> . 'n Opvolgbehandeling mag nodig wees.
Voor-opkomsbeheer van onkruid in pas aangeplante grasperke	70 ml/4 l water	VERSUS 457,5 SL kan ook vir voor-opkomsbeheer van onkruid in pas aangeplante gras (nie saad nie) gebruik word. Dit behoort teen 'n konsentrasie van 70 ml/4 l water toegedien te word, onmiddellik nadat die gras-lopers geplant is en voordat die onkruid opkom. Hierdie behandeling sal eenjaar-grassoorte asook die onkruid hieronder genoem beheer vir 'n tydperk van 3 – 6 weke, afhangende van die reënval en/of besproeiing.

SOMMIGE ONKRUIDE WAT NORMAALWEG BEHEER WORD TEEN 50 ml/100m²

Botaniese Naam	Gewone Naam	Botaniese Naam	Gewone Naam
<i>Bidens spp.</i>	Knapsekêrel	<i>Lepidium spp.</i>	Peperbossie
<i>Chenopodium album</i>	Withondebossie	<i>Medicago polymorpha</i>	Klitsklawer
<i>Coronopus didymus</i>	Peperkruid	<i>Plantago spp.</i>	Weëblaar
<i>Emex australis</i>	Kaapse dubbeltjie	<i>Tagetes minuta</i>	Kakiebos
<i>Conyza spp.</i>	Vaal skraalhans	<i>Taraxacum officinale</i>	Perdeblom
<i>Chamaesyce spp.</i>	Melkkruid spp.	<i>Tribulus terrestris</i>	Dubbeltjie

SOMMIGE ONKRUIDE WAT NORMAALWEG BEHEER WORD TEEN 70 ml/100m²

Botaniese Naam	Gewone Naam
<i>Alternanthera pungens</i>	Kakiedubbeltjie
<i>Brayulinea densa</i>	Wortelonkruid
<i>Oxalis corniculata</i>	Tuinranksuring

NOTA: Opvolgbehandelings met tussenposes van drie weke mag nodig wees vir vokome beheer van die bogenoemde drie onkruidsoorte.