



HRAC Herbicide Group Code	C1	HRAC Onkruidodergroepkode
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PRAMITOL 4 L

Reg. No. L 7889 Wet / Act 36 / 1947

A suspension concentrate residual herbicide
for total vegetation control in non-crop areas

'n Suspensiekonsentraat nawerkende
onkruidoder vir die totale beheer van plante
in gebiede waar geen gewasse aangeplant
word nie.

ACTIVE INGREDIENT:	/	AKTIEWE BESTANDDEEL:
Prometon (triazine)	480 g / ℓ	Prometon (triasien)

NET VOLUME / NETTO VOLUME

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REGISTRATION HOLDER / REGISTRASIEHOUER:

MAKHTESHIM-AGAN SA (PTY) LTD

Reg. No. 1992/001741/07

21 Viben Road, BRACKENFELL

PO box 498, BRACKENFELL 7561

Tel: (021) 982 1460

Fax: (021) 982 5810

Batch number Lotnommer

Date of Manufacture Datum van Vervaardiging

PRAMITOL® is the registered trade mark of Makhteshim-Agan Ltd, Israel
PRAMITOL® is die geregistreerde handelsmerk van Makhteshim-Agan Ltd, Israel



**CAUTION
VERSIGTIG**



GROUP III

Blue colour band

WAARSKUWINGS:

- Skadelik indien ingesluk, ingeasem of deur die vel geabsorbeer word.
- Kan matige irritasie van oë veroorsaak
- Skadelik vir visse
- Berg in 'n koel, droë plek 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 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 onkruid teen die betrokke middel sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versuim van die gebruiker om etiketaanwysings 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.

VOORSORGMAATREËLS:

- Moet nie eet, drink of rook terwyl die produk hanteer word nie.
- Vermoed besoedeling van voedsel, voer, drinkwater en eetgerei.
- Spoel die leë houder minstens drie keer uit met 'n volume water gelykstaande aan minstens 10 % van die houder. Gooi die spoelwater in die spuitenk.
- Moet nie in die wortelones van gewenste plante gebruik of toelaat dat dit kan wegspoel na sulke gebiede nie.
- Moet nie op gebiede toedien wat vir toekomstige gewasaanplantings gebruik gaan word nie.
- Moet die produk nie binne 60 m van damme, riviere, boorgate of ander waterbronne gebruik nie.
- Voorkom dat die spuitnewel oorwaai na gebiede wat nie onder behandeling is nie.
- Vernietig die leë houder deur gate daarin te maak en plat te druk en moet vir geen ander doel hergebruik nie.

Bestandheidswaarskuwing :

PRAMITOL[®] 4 L is 'n groepkode C1 onkruidodder. Enige populasie van 'n spesifieke onkruid mag individueel insluit wat 'n natuurlike weerstand het teen PRAMITOL[®] 4 L of enige ander groepkode C1 onkruidodder. Indien hierdie onkruidodders herhaaldelik aangewend word, kan weerstandbiedende individue uiteindelik die onkruidpopulasie oorheers. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur PRAMITOL[®] 4 L of enige ander groepkode C1 onkruidodders beheer word nie. Om weerstand teen onkruidodders te vertraag kan die volgende tegnieke toegepas word:

- 1) Vermoed die eksklusiewe herhaaldelike gebruik van onkruidodders met dieselfde groepkode

Wissel af met of gebruik tenkingsels van produkte in verskillende onkruidodder groepkodes

- 2) Integreer ander beheermaatreëls (chemiese, verbouing en biologies) in onkruidodder programme.

Vir meer inligting oor weerstandbestuur, skakel met u plaaslike verspreider of die registrasiehouer.

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.

Gebruiksbeperkings:

- PRAMITOL[®] 4 L is 'n industriële onkruidodder en moet nie in gebiede gebruik word waar gewasse moontlik in die toekoms geplant gaan word nie.
- PRAMITOL[®] 4 L moet nie in die wortelzones van gewenste plante aangewend word of in gebiede waar dit moontlik na die wortelzones kan spoel nie.
- PRAMITOL[®] 4 L kan voor- en na-opkom van plantegroei aangewend word. Alhoewel PRAMITOL[®] 4 L ook deur blare van plante opgeneem word is die belangrikste opname daarvan deur die wortels. Genoegsame reën na toediening is dus noodsaaklik om die middel na die wortelzone te loog om effektiewe beheer te verseker.

Verenigbaarheid:

PRAMITOL[®] 4 L is verenigbaar met produkte soos DIUREX 800 SC (Reg no L533), GLYPHOGAN 360 SL (Reg no L5393), en formulاسies wat imasapir bevat.

Toediening:

PRAMITOL[®] 4 L kan met enige geskikte trekkerspuit, rugsakspuit of spuite met handstange aangewend word mits die spuitapparaat 'n doeltreffende roermeganisme het, korrek gekalibreer is en die spuitmengsel eweredig oor die teikenoppervlak versprei word. Gebruik in 200 – 300 l water per ha. Reën van 15 – 25 mm na toediening is nodig om die PRAMITOL[®] 4 L in die grond te loog aangesien die belangrikste opname deur die wortels van plante is.

TOEDIENINGSHOEVEELHEDE:

Tabel 1:

BEHANDELINGS- GEBIED	TOEDIENINGS- HOEVEELHEID	OPMERKINGS
Industriële gebiede, Padskouers, Spoorweg werwe en spore, Draadheinings, Brandpaaie ens.	18 – 36 l / ha	Dien verkieslik vooropkom of vroeg na-opkom op aktiefgroeiende onkruid toe. Gebruik die hoër dosis op gronde met meer as 30 % klei of vir die beheer van moeilik beheerbare onkruid soos hieronder aangedui. Dit mag nodig wees om PRAMITOL [®] 4 L in 'n tenkmengsel met DIUREX 800 SC, GLYPHOGAN 360 SL of formulاسies wat imasapir as aktiewe bestanddeel bevat te gebruik vir die beheer van sekere onkruid soos hieronder aangedui.

TENKMENGSELS:

Beheer van die volgende onkruid kan verkry word met PRAMITOL® 4 L in kombinasie met die volgende onkruidodders:

Tabel 2:

ONKRUID	PRAMITOL® 4 L en Tenkmengsel toedieningshoeveelhede
<i>Arctotis venusta</i>	PRAMITOL® 4 L, 36 ℓ / ha + DIUREX 800 SC, 18 ℓ / ha of PRAMITOL® 4 L, 18 ℓ / ha + DIUREX 800 SC 11,25 ℓ / ha + GLYPHOGAN 360 SL, 10 ℓ / ha of PRAMITOL® 4 L, 18 ℓ / ha + DIUREX 800 SC, 11,25 ℓ / ha + imasapir 250 EC, 2,0 ℓ / ha
<i>Chamaesyce hirta</i>	PRAMITOL® 4 L, 18 ℓ / ha + DIUREX 800 SC 11,25 ℓ / ha + imasapir 250 EC 2,0 ℓ / ha
<i>Flaveria bidentis</i>	PRAMITOL® 4 L 18 ℓ / ha + DIUREX 800 SC 18 ℓ / ha Of PRAMITOL® 4 L 18 ℓ / ha + DIUREX 800 SC 11,25 ℓ / ha + imasapir 250 EC 2,0 ℓ / ha.
<i>Phragmites australis</i>	PRAMITOL® 4 L 18 ℓ + DIUREX 800 SC 18 ℓ / ha + GLYPHOGAN 360 SL 10 ℓ / ha Of PRAMITOL® 4 L 18 ℓ / ha + DIUREX 800 SC 18 ℓ / ha + imasapir 250 EC 2,0 ℓ / ha
<i>Trichodesma zeylanicum</i>	PRAMITOL® 4 L 36 ℓ / ha of PRAMITOL® 4 L 18 ℓ / ha + DIUREX 800 SC 18 ℓ / ha
<i>Urochloa panicoides</i>	PRAMITOL® 4 L 18 ℓ / ha + DIUREX 800 SC 11,25 ℓ / ha + imasapir 250 EC 2,0 ℓ / ha

SOMMIGE ONKRUIDE WAT NORMAALWEG DEUR PRAMITOL® 4 L BEHEER WORD:

<i>Amaranthus spp</i>	Misbredie
* <i>Arctotis venusta</i>	Witgousblom
<i>Cenchrus ciliaris</i>	Bloubuffelgras
* <i>Chamaesyce hirta</i>	Rooimelkkruid
<i>Ciclospermum leptophyllum</i>	Wildeseldery
<i>Cirsium vulgare</i>	Skotsedissel
<i>Conyza spp.</i>	Skraalhans spp
<i>Coronopus didymus</i>	Peperkruid

<i>Cynodon dactylon</i>	Kweek
<i>Eleusine coracana</i>	Jongosgrass
* <i>Flaveria bidentis</i>	Smeltersbossie
<i>Guilleminea densa</i>	-
<i>Parthenium hysterophorus</i>	Demoina kruid
* <i>Phragmites australis</i>	Gewone fluitjiesriet
<i>Sutera caerulea</i>	Ruikbossie
* <i>Trichodesma zeylanicum</i>	-
* <i>Urochloa panicoides</i>	Tuinurochloa

- Verwys na bostaande Tabel 2

DIUREX 800 SC (Reg no L5334) en GLYPHOGAN 360 SL (Reg no L 5393) is die geregistreerde handelsmerke van Makhteshim-Agan Ltd, Israel

WARNINGS:

- Harmful if swallowed
- Can cause moderate eye irritation
- Harmful to fish.
- Store in a cool, dry place away from food, feed 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 thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the 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 in the event of any uncertainty.

PRECAUTIONS:

- Do not eat, drink or smoke while handling this product.
- Avoid contamination of food, feed, drinking water and eating utensils
- Wear rubber gloves and face shield when handling the concentrate. If you get it in your eyes, flush it out at once. If you get it on your skin, wash it off at once. If you spill it on your clothes, change and wash them.
- Rinse empty container three times with a volume of water equal to at least 10 % to the volume of the container. Add the rinsate to the spray tank.
- Do not use in the root zones of desirable vegetation or where it could be washed to such areas.
- Do not use on areas which will be used in the future for crop production.
- Do not use the product within 60 m of dams, rivers, boreholes or any water sources.
- Ensure that the spray mist does not drift on to areas that is not under treatment.
- Destroy the empty container by perforating and flattening it. Do not re-use the empty container for any other purpose.

Resistance warning:

PRAMITOL[®]4 L is a group code C1 herbicide. Any population of a specific weed may contain individuals naturally resistant to PRAMITOL[®]4 L and other group code C1 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by PRAMITOL[®]4 L or any group code C1 herbicides. To delay herbicide resistance:

- 1) Avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank mix with products from different herbicide group codes.
- 2) Integrate control methods (chemical, cultural and biological) into weed control programs.

For specific information on resistance management contact your local agent or distributor of the registration holder.

DIRECTIONS FOR USE: Use only as indicated

Use restrictions:

- PRAMITOL[®] 4 L is a herbicide for industrial use and should not be applied to areas where crops may be planted in the future
- PRAMITOL[®] 4 L should not be applied in the root zones or to areas where it can be washed into the root zones of desirable plants.
- PRAMITOL[®] 4 L can be applied pre-emergence or post-emergence on target plants.
- Although PRAMITOL[®] 4 L is absorbed by leaves and roots of plants, it is mainly taken up by the roots of plants. To ensure effective control, sufficient rain to leach the product to the root zone is necessary.

Compatibility:

PRAMITOL[®] 4 L is compatible with products such as DIUREX 800 SC (Reg no L5334), GLYPHOGAN 360 SL (Reg no L5393) and formulations containing imazapyr.

Application:

PRAMITOL[®] 4 L can be applied by means of any suitable tractor mounted sprayer, knapsack sprayer or sprayers fitted with hand guns, provided it is fitted with an effective agitation system, it is correctly calibrated and is able to distribute the spray mixture evenly over the target area. Use in 200 – 300 ℓ water per ha. Rain of between 15 – 25 mm is necessary to leach the PRAMITOL[®] 4 L into the soil to ensure absorption by roots which is the main mode of action for effective control by the product.

APPLICATION RATES:**Table 1:**

LOCATION	APPLICATION-RATE	REMARKS
Industrial areas, Road verges, Railway yards and railway lines, Fences, Fire breaks, etc.	18 – 36 ℓ / ha	Apply preferably pre-emergence or early post-emergence on actively growing weeds. Use the higher dosage rate on soils with more than 30 % clay or for the control of hard-to-kill weeds as indicated below. It may be necessary to use PRAMITOL® 4 L in a tank mixture with DIUREX 800 SC, GLYPHOGAN 360 SL or formulations containing imazapyr to control weeds as listed below.

TANK MIXTURES

Control of the following weeds can be achieved by the following tank mixes with PRAMITOL® 4 L:

Table 2:

WEED	PRAMITOL® 4 L and tankmix dosage rates
<i>Arctotis venusta</i>	PRAMITOL® 4 L, 36 ℓ / ha + DIUREX 800 SC, 18 ℓ / ha Or PRAMITOL® 4 L, 18 ℓ / ha + DIUREX 800 SC 11,25 ℓ / ha + GLYPHOGAN 360 SL, 10 ℓ / ha Or PRAMITOL® 4 L, 18 ℓ / ha + DIUREX 800 SC, 11,25 ℓ / ha + imazapyr 250 EC, 2,0 ℓ / ha
<i>Chamaesyce hirta</i>	PRAMITOL® 4 L, 18 ℓ / ha + DIUREX 800 SC 11,25 ℓ / ha + imazapyr 250 EC 2,0 ℓ / ha
<i>Flaveria bidentis</i>	PRAMITOL® 4 L 18 ℓ / ha + DIUREX 800 SC 18 ℓ / ha Or PRAMITOL® 4 L 18 ℓ / ha + DIUREX 800 SC 11,25 ℓ / ha + imazapyr 250 EC 2,0 ℓ / ha.
<i>Phragmites australis</i>	PRAMITOL® 4 L 18 ℓ + DIUREX 800 SC 18 ℓ / ha + GLYPHOGAN 360 SL 10 ℓ / ha Or

	PRAMITOL® 4 L 18 ℓ / ha + DIUREX 800 SC 18 ℓ / ha + imazapyr 250 EC 2,0 ℓ / ha
<i>Trichodesma zeylanicum</i>	PRAMITOL® 4 L 36 ℓ / ha Or PRAMITOL® 4 L 18 ℓ / ha + DIUREX 800 SC 18 ℓ / ha
<i>Urochloa panicoides</i>	PRAMITOL® 4 L 18 ℓ / ha + DIUREX 800 SC 11,25 ℓ / ha + imazapyr 250 EC 2,0 ℓ / ha

SOME OF THE WEEDS WHICH ARE NORMALLY CONTROLLED BY PRAMITOL® 4 L:

<i>Amaranthus spp</i>	Pigweed
* <i>Arctotis venusta</i>	Free State Daisy
<i>Cenchrus ciliaris</i>	Blue Buffalo grass
* <i>Chamaesyce hirta</i>	Red milkweed
<i>Ciclospermum leptophyllum</i>	Wild celery
<i>Cirsium vulgare</i>	Scotch thistle
<i>Conyza spp.</i>	Fleabane spp
<i>Coronopus didymus</i>	Carrot weed
<i>Cynodon dactylon</i>	Quickgrass
<i>Eleusine coracana</i>	Goosegrass
* <i>Flaveria bidentis</i>	Smelters bush
<i>Guilleminea densa</i>	-
<i>Parthenium hysterophorus</i>	Demoina weed
* <i>Phragmites australis</i>	Common reed
<i>Sutera caerulea</i>	Sutera
* <i>Trichodesma zeylanicum</i>	Late weed
* <i>Urochloa panicoides</i>	Herringbone grass

* Refer to Table 2 above

DIUREX 800 SC (Reg no L5334) and GLYPHOGAN 360 SL (Reg No L5393) are the registered trade names of Makhteshim-Agan Ltd, Israel