

# COOPERS

## MULTI CARE®

### Reg. No. L10292 Act No. 36 of 1947

AN EMULSIFIABLE CONCENTRATE INSECTICIDE WITH QUICK KNOCKDOWN, FLUSHOUT AND RESIDUAL ACTIVITY FOR CONTROL OF FLYING AND CRAWLING PESTS. FOR USE IN RESIDENTIAL/ COMMERCIAL AND INDUSTRIAL SETTINGS SUCH AS KITCHENS, FOOD HANDLING PREMISES, RESTAURANTS, GARDENS ETC.

**ACTIVE INGREDIENT:** Permethrin (pyrethroid) 25/75 cis/trans isomers.....100 g/l

**NETTO CONTENTS:** Contact supplier for full list of available packaging sizes.

**REGISTRATION HOLDER:** Starplex 83 CC, Reg. No. 2004/015647/23

P. O. Box 14374, Bredell, 1623, SOUTH AFRICA Tel: +27 (11) 979-4246/7

**DISTRIBUTION BY:** Coopers Environmental Science (Pty) Ltd Tel: +27 (86) 030 3003

**WARNINGS:** Handle with care. Keep out of reach of children, uninformed persons and animals. Store in a cool, safe place away from direct sunlight. Store away from food or feedstuffs. Toxic to fish, bees and wildlife. Flammable – do not handle or store near open flame. Concentrate may irritate skin and eyes, harmful through contact or when swallowed.

**PRECAUTIONS:** Do not use in the presence of persons with known sensitivity to pyrethrins. In the case of signs of sensitivity, obtain medical advice. Avoid skin contact with the concentrate. Wear rubber gloves. Wash with soap and cold water after use. Triple rinse and destroy empty container after use and do not re-use for any other purpose.

**DIRECTIONS FOR USE: USE ONLY AS DIRECTED.**

Shake well before use.

PEST	DOSAGE	REMARKS
Ants	100ml/5L 100 – 200ml/5L	<b>Outdoors:</b> Spray directly onto foraging individuals or apply as a drench treatment into nests. Repeat as necessary. <b>Indoors:</b> Apply to non-porous surfaces where ants are regularly observed for a quick knockdown and short-term residual. The higher dose (200ml) should be used in areas where infestation is high or where a longer residual is required. Repeat as necessary.
Northern Harvester Termite ( <i>Hodotermes mossambicus</i> )	80ml	Apply as an overall surface spray in 10L water/100m <sup>2</sup> . Apply at first signs of infestation, preferably while termites are actively attacking the lawn. Ensure that the lawn is mown 24 hours prior to application. The length of control of termite activity may vary depending on the depth, extent and location of nests, the amount of rainfall and specific management practices followed. Repeat application when necessary.
Cockroaches, Bedbugs, Fish-moths, Fleas, Crickets	100ml/5L 200ml/5L	The lower dose can be used in areas where quick knockdown and short residual is required, e.g. for treating camp sites, refuse dumps, market places, areas regularly washed, etc. Apply using 5-10L spray mix/100m <sup>2</sup> or until surface area to be treated is wet. Repeat when necessary.  <b>LASTING CONTROL:</b> This dosage range to be used in areas where long lasting residual control is required. Thoroughly treat places where pests hide (e.g. behind skirting boards, under and behind cooking equipment, sinks, cupboards, etc.), from a short distance to the point of wetness. If pest harborage are not directly accessible, spray an insecticidal barrier onto surrounding surfaces. The higher dosage (200ml) should be used where infestations are severe or where longer intervals between spray applications are required. Repeat application when necessary.
Flies	100ml/5L 200ml/5L	The lower dose can be used in areas where quick knockdown and short residual is required, e.g. for treating camp sites, refuse dumps, market places, areas regularly washed, etc. Apply using 5-10L spray mix/100m <sup>2</sup> on porous surfaces or until the point before runoff from smooth surfaces. Repeat when necessary.  <b>LASTING CONTROL:</b> To be used in areas where long lasting residual control is required. Treat all surfaces where flies settle (e.g. windows, window sills, near rubbish bins, etc.), to the point before runoff.  The higher dosage (200ml) should be used where a large population of flies are present or where longer intervals between spray applications are required. Repeat application when necessary. Up to 4 weeks control can be expected on smooth surfaces.  <b>NOTE:</b> To enhance efficacy against flies in non-sensitive areas, add 125g sugar / 5L spray mix.
Mosquitoes	100ml/5L 200ml/5L	<b>SHORT TERM CONTROL:</b> The lower dose can be used in areas where long lasting control is not required, e.g. for treating camp sites, market places, areas regularly washed, etc. Apply using 5-10L spray mix/100m <sup>2</sup> or until surface area to be treated is wet. Repeat when necessary. Tent material and sleeping nets can also be treated. Allow to dry thoroughly before re-entry.  <b>LASTING CONTROL:</b> To be used in areas where long lasting residual control is required. Spray surfaces where mosquitoes settle (e.g. dark corners, behind and inside cupboards, under beds, etc.), to the point before runoff.  The higher dosage (200ml) should be used where the population is large or where longer intervals between spray applications are required. Repeat application when necessary. Up to 4 weeks control can be expected on smooth surfaces.

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## MULTI CARE®

### Reg. Nr. L10292 Wet Nr. 36 van 1947

'n EMULGEERBARE KONSENTRAAT INSEKDODER MET VINNIGE UITKLOP, UITSPOEL EN RESIDUELE AKSIE VIR BEHEER VAN KUIPENDE EN VLIEËNDE INSEKTE. VIR GEBRUIK IN RESIDENSIËLE/KOMMERSIELLE EN INDUSTRIËLE OMSTANDIGHED SOOS KOMBUISE, VOEDSELVERWERKINGS PERSELE, TUINE, ENS.

**AKTIEWE BESTANDDEEL:** Permetriën (piretroïd) 25/75 cis/trans isomere.....100 g/l

**NETTO INHOUD:** Kontak verskaffer vir volledige lys van verskillende verpakings-groottes waarin produk beskikbaar is.

**REGISTRASIEHOUER:** Starplex 83 CC, Reg. No. 2004/015647/23

P. O. Box 14374, Bredell, 1623, SUID AFRIKA Tel: +27 (11) 979-4246/7

**VERSPREI DEUR:** Coopers Environmental Science (Pty) Ltd Tel: +27 (86) 030 3003

**WAARSKUWINGS:** Hanteer versigtig. Hou buite bereik van kinders, oningesigte persone en diere. Bewaar in 'n koel, veilige area, weg van direkte sonlig. Bewaar verwyderd vanaf enige voedsel en voer. Giftig vir bye, visse en natuurlewe. Vlambaar – moet nie hanteer of stoor in nabijheid van 'n oop vlam nie. Konsentraat kan moontlike irritasie van vel en oog-slymvliese veroorsaak en kan skadelik wees indien in direkte kontak daarmee kom of mondelings ingeneem word.

**VOORSORGMAATREËLS:** Moet nie gebruik/ toegedien word in die teenwoordigheid van mense wat sensitief is vir piretroïede nie. By tekens van sensitiviteit, verkyf mediese hulp. Verminder direkte kontak van die konsentraat met vel. Maak gebruik van rubber-handskoene. Was met water en seep direk na gebruik. Spoel die leë houer drie keer uit na gebruik en moet dit geenisins hergebruik vir enige ander doeleindes nie

**GEBRUIKSAANWYSINGS:** GEBRUIK SLEGS SOOS AANGEDUI. Skud houer deeglik voor gebruik.

PLAAG	TOEDIENINGS-DOSIS	OPMERKINGS
Miere	100ml/5L 100 – 200ml/5L	<b>Buitenhuis:</b> Spuit mengsel direk op die voedende individue, of dien 'n deurdrenkings- behandeling direk in die nes toe. Herhaal toediening soos benodig. <b>Binnenshuis:</b> Dien toe op nie-poreuse oppervlaktes, waar miere gereeld waargeneem word, vir 'n vinnige uitklop-aksie en kort residuale nawerking. Die hoë dosis (200ml) behoort toegedien te word waar besmettings-vlakte/infestasie baie hoog, of waar 'n langer residuale nawerking benodig word. Herhaal toediening soos benodig.
Grasdraertermiete ( <i>Hodotermes mossambicus</i> )	80ml	Dien toe as 'n algehele oppervlakte-spuistof, as 'n oplossing van 10L water/100m <sup>2</sup> . Dien toe nadat eerste tekens van infestasie waargeneem is, terwyl termiete aktief besig is om gras te snij aan te dra na nes-area. Verseker dat die grasperk 24 uur voor aanvang van spuitstof-toediening plaasvind gesny word. Die lengte van die beheer-typerk van van termiet-aktiwiteit, mag varieer afhangende van die diepte, graad van infestasie en die ligging van die nes, hoeveelheid reënval en spesifieke beheer-praktiese wat gevolg is. Herhaal toediening soos benodig.
Kakkerlakke, Weeluisse, Vismotte, Vlooie, Krieke	100ml/5L 200ml/5L	Die laer dosis kan gebruik word in areas waar 'n vinnige uitklop-aksie en kort residuale nawerking vereis word. Behandeling van kamp-terreine, vullis-stortingsterreine, mark-terreine, areas wat gereeld gewas/ skoongemaak word ens. Wend aan deur 5-10L van die spuit-mengsel per 100 m <sup>2</sup> toe dien, of totaal die oppervlak-area deeglik benat is. Herhaal toediening soos benodig.
Vlieë	100ml/5L 200ml/5L	<b>LANGDURIGE BEHEER:</b> Hierdie verskeidenheid dosisse word toegedien in areas waar 'n langdurige residuale nawerking vereis word. Behandel tipiese areas waar plaag-organisme moontlike skul (bv. tussen vloerlyste en die muur, onder en agter kook-toerusting, opwas-areas, kaste ens.) deur areas op 'n kort reik-afstand te bespuit tot deeglike benetting plaasgevind het. Indien skulplekke van plaag-organisme nie direk bereikbaar is nie, spuit dan net 'n insekdodende versperrings-some op die omliggende oppervlaktes. Die hoë dosis (200ml) behoort toegedien te word waar besmettings-vlakte/infestasie baie hoog is, of waar langer intervalle tussen spuit-toedienings benodig word. Herhaal toediening soos benodig.
		<b>LANGDURIGE BEHEER:</b> Word toegedien in areas waar 'n langdurige residuale nawerking vereis word. Bespuit tipiese areas waar vlieë aangetref sal word bv. vensters, vensterbanke, in die nabijheid van vullisdromme etc.), tot net voor die punt waar afloop sal plaasvind. Die verhoogde dosis (200ml) behoort toegedien te word waar 'n groot populasie van vlieë aangetref word, of waar langer intervalle tussen spuit-toedienings benodig word. Herhaal toediening soos benodig. 'n Residuale nawerking van tot en met 4 weke, vanaf toediening, kan verwag word by die spuit van gladde oppervlaktes.
		<b>LET WEL:</b> Om die doeltreffendheid van die behandeling teen vlieë in nie-sensitiewe areas te verhoog, kan 125g suiker bykomend tot die 5L mengsel toegeveug word.

**TURF APPLICATION:** Broad spectrum insecticide for the control of garden insect pests on golf courses, bowling greens, parks, instant lawn farms and home lawns.

**MIXING INSTRUCTIONS:** Pour the required quantity of MultiCare into the water while agitating. Do not allow the MultiCare spray mixture to stand for any length of time before using. Do not use brackish water.

**APPLICATION INSTRUCTIONS:**

1. Use only clean water.
2. A uniform and even distribution of the spray material over the area is essential for the effective application of MultiCare.
3. IRRIGATION REQUIREMENTS DIRECTLY AFTER TREATMENT FOR THE CONTROL OF THE VARIOUS INSECTS ARE INDICATED I.E.:

a) **NO IRRIGATION:** For: Lawn Caterpillars, Aphids, Mealybugs and Harvester Termites.

b) **LIGHT IRRIGATION (2-5mm):** For: Garden crickets.

c) **HEAVY IRRIGATION (25mm):** For: Mole crickets.

1. For the optimal control of the insects it is recommended that all turf grass areas to be treated are mowed on the previous day.
2. Do not mow the turf grass area within 24 hours of treatment.
3. Ensure that all applications for garden cricket control are made during the late afternoon.

PEST	RATE	REMARKS
<b>Lawn Caterpillar</b> ( <i>Spodoptera cilium</i> )	Preventive application: 40ml	Apply as a high volume overall spray (in 10L water/100m <sup>2</sup> ) after the first good rains have fallen in November. Repeat applications at 21-30 day intervals.
<b>Armyworm</b> ( <i>Spodoptera exempta</i> )	Curative application: 80ml	Apply as a high volume spray (in 10L water/100m <sup>2</sup> ) at the first signs of infestation, which usually occurs during moist, warm conditions.
<b>Garden Cricket</b> ( <i>Gryllus bimaculatus</i> )	40 - 80ml	Apply as a high volume spray (in 10L water/100m <sup>2</sup> ) during late afternoon to ensure maximum exposure of crickets to insecticide during their evening activity. Irrigate lightly (2-5mm) after application. Ensure that the lawn is mown 24 hours prior to application. Repeat application after 10-14 days if necessary.
<b>Northern Harvester Termite</b> ( <i>Hodotermes mossambicus</i> )	80ml	Apply as an overall surface spray in 10L water/100m <sup>2</sup> . Apply at first signs of infestation, preferably while termites are actively harvesting the grass. Ensure that the lawn is mown 24 hours prior to application. The length of control of termite activity may vary depending on the depth, extent and location of nests, the amount of rainfall and specific management practices followed. Repeat application when necessary.
<b>Mole Cricket</b> ( <i>Gryllotalpa africana</i> )	100ml	Apply as a high volume spray (in 10L water/100m <sup>2</sup> ). Irrigate heavily (25mm) after application to facilitate insecticide penetration to soil level. Ensure that the lawn is mown 24 hours prior to application. If necessary, repeat after 10-14 days.
<b>Aphids</b> (Including control on Roses)	20ml/5L water	Apply as a direct spray application to affected parts, focusing on the bottom surfaces of leaves.
<b>Mealybug</b>	80ml/5L water	Apply as a direct spray application to affected parts, focusing on the bottom surfaces of leaves. Apply at first signs of infestation (when nymph crawlers are seen), and repeat application as necessary.

<b>Muskiete</b>	100ml/5L  200ml/5L	<b>KORTTERMYN-BEHEER:</b> Die laer dosis kan in areas toegedien word, waar 'n residuale nawerking aksie nie vereis word nie bv. behandeling van kamp-terreine, mark-terreine, areas wat gereeld gewas word ens. Wend aan deur 5-10L sput-mengsel toe te dien om 'n area van 100m <sup>2</sup> te bedek, of totdat die oppervlakte genoegsaam benat is. Herhaal toediening soos benodig. Tent-materiale en muskietnette kan ook bespuit/behandel word. Laat genoegsame tyd toe sodat die materiaal kan droogword, voordat tente of nette weer in gebruik geneem word.  <b>LANGDURIGE BEHEER:</b> Kan gebruik word in areas waar langdurige residuele beheer benodig word. Bespuit oppervlaktes waar muskiete skuil (bv. donker hoekies, agter en binne-in kaste, onder beddens ens.) totdat die punt van afloop teen die oppervlaktes bereik word. Die verhoogde dosis (200ml) moet toegedien word in areas waar daar groot muskiet-populasies aangetref word, of waar lang intervalle tussen opvolg bghespuitingstoedienings verloop. Herhaal toediening soos benodig.  'n Langwerkende residuele aksie van tot en met 4 weke kan verwag word na toediening op gladde oppervlaktes.
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**TURF TOEDIENING:** Kan as n breë spektrum insekbeheer-middel toegedien word vir die beheer van tuinplae op sportvelde, golfbane, rolbal-bane, parke, kists-grasperke en ook grasperke tuis.

**TOEDIENINGS-DOSIS:** Meng die vereiste hoeveelheid MultiCare by die water, terwyl mengsel voortdurend geroer word. Moet nie die reeds vermengde MultiCare oplossing enigsins ongebruik laat staan vir enige periode van tyd voor toediening nie. Gebruik huisdelike water gebruik om die oplossing mee aan te maak nie.

**TOEDIENINGS-INSTRUKSIES:**

1. Gebruik slegs skoon water.
2. 'n Uniforme en eweredige verspreiding van die sputstof oor die teiken area is noodsaaklik vir die effektiewe toediening van MultiCare.
3. **VOORGESKREWE BESPROEINGS-VEREISTES DIREK NA DIE TOEDIENING VAN DIE OPLOSSING IS SOOS VOLG:**

a.) **GEEN BESPROEING:** Vir die beheer van: Grasperk-ruspes, plantluise, Wolluise en Grasdraer-termiete.

b.) **LIGTE BESPROEING (2-5mm):** Vir die beheer van: Tuinkrieke.

c.) **SWAAR BESPROEING (25mm):** Vir die beheer van: Molkrieke.

1. Vir die optimale beheer van genoemde plaag-insekte word aanbeveel dat alle turf-gras areas wat behandel moet word, die vorige dag reeds gesny word.
2. Moet nie die turf-gras areas sny wat gedurende die afgelope 24 uur behandel is nie.
3. Verseker dat alle toedienings vir die beheer van tuinkrieke en molkrieke, gedurende die laat-agtermiddag gedoen word.

PLAAG	TOEDIENINGS-DOSIS	OPMERKINGS
<b>Grasperk-ruspe</b> ( <i>Spodoptera cilium</i> )	Voorkomende behandeling: 40ml	Dien sputstof (verduin in 10L water) toe in 'n hoë volume (100m <sup>2</sup> ) oraloor na afloop van die eerste goeië reënval in November. Herhaal toediening met 21-30 dag-intervalle.
<b>Kommandowurm</b> ( <i>Spodoptera exempta</i> )	Voorkomende en instandhoudings behandeling 80ml	Dien toe as hoë volume sputstof van 10L water/100m <sup>2</sup> met die eerste tekens van besmetting, wat gewoonlik sigbaar word tydens klam, warm omstandighede.
<b>Tuinkrieke</b> ( <i>Gryllus bimaculatus</i> )	40 - 80ml	Dien toe as 'n hoë volume-sputstof (van 10L water/100m <sup>2</sup> ), gedurende die laat-agtermiddag, om te verseker dat die tuinkrieke tydens hul nagtelike bewegings/aktiwiteit maksimale blootstelling kry aan sputstof. Bespoei grasperk slegs ligtelik (2-5mm) na toediening van sputstof. Verseker dat die grasperk 24 uur voor aanvang van sputstof-toediening gesny word. Herhaal toediening soos benodig.
<b>Grasdraer-termiete</b> ( <i>Hodotermes mossambicus</i> )	80ml	Dien oraloor toe as oppervlak-bespuiting (10L water/100m <sup>2</sup> ). Sputstof kan toegedien word sodra eerste tekens van infestasie waargeneem word, verkielslik wanneer termiete aktief besig is om plantmateriaal aan te dra. Maak seker dat die gras 'n dag voor die toediening van sputstof plassa vind, gesny word. Die tydperk van toediening vir beheer van termiet-aktiwiteit, mag wissel afhangende van die diepte, grootte en posisie van die nes/te, die hoeveelheid reënval en spesifieke bestuurs-praktiese wat toegepas word. Herhaal toediening soos benodig.
<b>Molkrieke</b> ( <i>Gryllotalpa africana</i> )	100ml	Dien toe as 'n hoë volume-sputstof (van 10L water/100m <sup>2</sup> ). Swaai bespoeiing (25mm) van die grasperk word aanbeveel na toediening, om inbring van die sputstof te faciliteer tot op die grondvlak. Verseker dat die grasperk, 24 uur voor aanvang van sputstof-toediening gesny word. Herhaal toediening soos benodig, 10-14 dae na aanvanklike toediening.
<b>Plantluise</b> (Insluitend behandeling van rose)	20 ml/5L water	Dien toe as hoë volume sputstof tot geaffekteerde areas, met die fokus op die onderkant van die blare.
<b>Wolluise</b>	80 ml/5L water	Dien sputstof toe as direkte aanwending direk aan die geaffekteerde gedeeltes van die blare, met die fokus op die onderste oppervlakte van die blare. Dien toe sodra eerste tekens van infestasie (kruipende nimfe waar geneem word) en herhaal toediening soos benodig.



For any product enquiry contact Coopers Environmental Science (Pty) Ltd - 011 979 4246/7. For poisoning emergencies only, Griffon Poison Information Centre may be contacted 082 446 8946.

Vir enige produk navrae, skakel Coopers Environmental Science (Pty) Ltd - 011 979 4246/7. Slegs vir vergiftigingsnoodgevalle kan, Griffon Gift Inligtingsentrum ook gekontak word 082 446 8946.