Bayer Environmental Science

Before using this product read the label carefully. / Lees die etiket noukeurig alvorens die produk gebruik word.

STARYCIDE® SC

Reg. No. L 5256 Act No. 36 of 1947
Namibian Reg. No. N-AR 1045

Reg. Nr. L 5256 Wet Nr. 36 van 1947
Namibiese Reg. Nr. 1045

AN INSECT GROWTH REGULATOR FOR THE CONTROL OF IMMATURE COCKROACHES, FISHMOTHS, FLIES, MOSQUITOES, LITTER BEETLES AND FLEAS.

‘N INSEKGROEIREGULEERDER VIR DIE BEHEER VAN ONVOLWASSE KAKKERLAKKE, VISMOTTE, VLIEË, MUSKIETE, KLEINMEELWURMS EN VLOOIE.

ACTIVE INGREDIENT: / AKTIEWE BESTANDDEEL:

Triflumuron (benzoyl phenyl urea)	480 g/ℓ	Triflumuron (bensoïel feniel ureum)

NET CONTENTS: / NETTO INHOUD: 200 ml, 500 ml

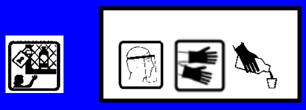
REGISTRATION HOLDER/REGISTRASIEHOUER:

Bayer (Pty.) Ltd. / (Edms.) Bpk.
Reg. No. / Nr. 1968/011192/07
P.O. Box / Posbus 143
ISANDO1600
SOUTH AFRICA / SUID-AFRIKA
TEL: (011) 921 5911

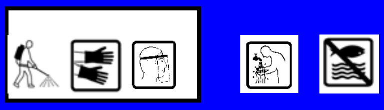
Batch No: / Lotnommer:
Date manufactured: / Datum vervaardig:

STARYCIDE® is a registered trademark of Bayer / is ‘n geregistreerde handelsmerk van Bayer.

UN No. / VN Nr. 3082



CAUTION
VERSIGTIG



STARYCIDE® SC

Reg. No. L5256 Act No. 36 of 1947
Namibian Reg. No. N-AR 1045

AN INSECT GROWTH REGULATOR WHICH INTERFERES WITH CHITIN SYNTHESIS AND INTERRUPTS THE LARVAL MOULTING PROCESS. CONTROLS THE IMMATURE STAGES OF COCKROACHES, FISHMOTHS, FLIES, MOSQUITOES, LITTER BEETLES AND FLEAS.

ACTIVE INGREDIENT: TRIFLUMURON (BENZOYL PHENYL UREA) 480 g/ℓ

REGISTRATION HOLDER:
Bayer (Pty.) Ltd.
Reg. No. 1968/011192/07
P.O. Box 143
ISANDO 1600
SOUTH AFRICA
TEL: (011) 921 5911

CAUTION

WARNINGS:

Handle with care.
May cause slight skin irritation.
Toxic to fish, crustacea and other aquatic and soil arthropods.
Store in original container, in a cool place and away from food and feedstuffs.
Keep out of reach of children, uninformed persons and animals.
Keep at temperatures not exceeding 40 ºC.
Do not apply to animals.

PRECAUTIONS:

Do not inhale the spray mist.
Wear protective clothing during application.
Wash with soap and water after use or accidental skin contact.
Wash clothing after day's work.
Do not eat, drink or smoke whilst mixing or applying and before washing hands and face.
Avoid contamination of food, feed, drinking water and eating utensils.
Clean applicator thoroughly after use and do not leave pesticide mixture standing in applicators overnight.
Dispose of wash water where it will not contaminate food, grazing or water.
Triple rinse the empty pesticide container by inverting it over the spray or mixing tank and allowing it 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. Do not use the empty container for any other purpose.
Do not walk across treated areas (e.g. carpets) until application has dried thoroughly.
Remove pets and cover or remove aquaria.
Do not contaminate dams, sewerage systems, drains, ponds, streams and other waterways with the product or used containers.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED.

Starycide® SC can be used indoors and outdoors, in commercial and industrial premises, farms, food handling and processing establishments, restaurants, offices, store rooms, hospitals, schools, barracks, homes, hotels, ships, market places and warehouses.

PEST	DOSAGE	REMARKS
Flea immatures	10 mℓ/ 10 ℓ water. Spray at a rate of 50-100 mℓ spray mixture/m^2.	Thoroughly spray all infested areas. Use higher rate on absorbent surfaces. 1. It is recommended that the premises are vacuumed and that the vacuum bag contents are removed before treatment takes place. This is of particular importance where adult fleas are present. 2. Ensure that pets are treated with a suitable insecticide to ensure that no re-infestation of the premises occurs. 3. When adult fleas are present, **Starycide® SC** must be applied with an adulticide knockdown product (e.g. **Tempo® SC***). Concurrent use of procedures 1-3 is necessary to achieve satisfactory control. 4. Repeat when necessary. **Exterior use:** Pre-wetting the soil with a garden hose may be required on very dry soil.
Fly maggots (larvae)	a. 10 mℓ/ 10 ℓ water/ 10 m^2. b. Initial treatment: 4 mℓ/ 10 ℓ water/ 1000 ℓ manure. Continuous treatment: 2 mℓ/ 10 ℓ water/ 1000 ℓ manure.	Treat the surfaces of infested organic materials (dung, liquid manure, etc.) as soon as the first flies appear. **Starycide® SC** will then prevent the development of the younger larval stages into pupae or adults. Initially adults will emerge from the existing pupae. The treatment surface must be thoroughly soaked. Repeat the treatment when fresh layers of dung have accumulated on top of the treated layer, or when larger (older) larvae appear. **Drip treatment of bunkered liquid manure:** Establish the quantity of liquid manure produced per day. Mix **Starycide® SC** with sufficient water and pour it into the manure (e.g. 4 mℓ of product in 10 ℓ water for 1000 ℓ manure). Ensure that this is mixed well. When the fly population decreases (after about 2-3 weeks) reduce the dose to 2 mℓ/ 1000 ℓ manure. If there are infested parts of a floating layer prior to drip treatment, treat these as for surface treatment.
Immature cockroaches and fishmoths	10-20 mℓ/ 10 ℓ water. Spray at 100 mℓ spray	1. Apply thoroughly to cracks, crevices and other places where

	mixture/m^2.	cockroaches and fishmoths may hide. Apply to the point of run-off. 2. For a quick initial result **Starycide® SC** must be applied together with an adulticide (e.g. **Tempo® SC***). 3. Use higher rate for high infestations or longer action.
Litter beetle larvae	125 mℓ/ 75 ℓ water/ 1500 m^2. Spray at 50 mℓ spray mixture/ m^2.	1. Place the litter in each house after the house has been cleaned and disinfected. For best results allow disinfectant to dry before placing the litter into each house. 2. Spray the **Starycide® SC** mixture to deliver 50 mℓ/m^2 over the litter area of each house. Rake all spray treatments into the litter. 3. When adult litter beetles are present **Starycide® SC** must be applied with a suitable adulticide such as **Baythroid® WP****.
Mosquito larvae: 1. *Aedes* spp. 2. *Culex, Anopheles* or other species and mixed populations	 67.5 mℓ/ 10 ℓ water/ha. 250 mℓ/ 10 ℓ water/ha.	Surface treatment of pools, ponds, marshes and other bodies of water. **Starycide® SC** is effective against the youngest larval stages, which die when shedding their exoskeleton in preperation for transformation to the next instar. Treatment does not affect the transformation of older larvae or pupae into adults. The efficacy of **Starycide® SC** should therefore be determined by detection of new fourth instar larvae or pupae. The detection of first instar larvae is irrelevant, as these will die as they attempt to pass into the second instar. **Application:** For treatment of mixed populations: 1. Manual sprayers: Mix 12.5 mℓ with 10 ℓ water, sufficient for 500 m^2 water area. 2. Pump sprayers: Mix 125 mℓ with 10 ℓ water, sufficient for 5000 m^2 water area. 3. ULV ground equipment (foggers, etc.): Mix 500 mℓ product with 10 ℓ water, sufficient for 2 ha of water area. 4. ULV arial application (aircraft, helicopter, etc.): Mix 250 mℓ product with 10 ℓ water, sufficient for 1 ha of water area.

Starycide® SC is a slow acting insecticide which has its greatest effect on the early juvenile stages of insects. Where quick action is required the use of a knockdown product as tank mix with **Starycide® SC** is recommended.

*__Tempo__® __SC__, Reg. No. L4544 (Act No. 36 of 1947).
**__Baythroid__® __WP__, Reg. No. L2198 (Act No. 36 of 1947)

For any product enquiry, contact Bayer Environmental Science - 011 921 5911. For poisoning emergencies only, Griffon Poison Information Centre may also be contacted - 082 446 8946.

STARYCIDE® is a registered trademark of Bayer.

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www.bayeres.co.za

STARYCIDE® SC

Reg. Nr. L5256 Wet Nr. 36 van 1947
Namibiese Reg. Nr. 1045

‘N INSEKGROEIREGULEERDER WAT DIE SINTESE VAN CHITIEN INHIBEER EN DIE LARFVERVELLINGSPROSES ONDERBREEK. BEHEER DIE ONVOLWASSE STADIA VAN KAKKERLAKKE, VISMOTTE, VLIEË, MUSKIETE, KLEINMEELWURMS EN VLOOIE.

AKTIEWE BESTANDDEEL: Triflumuron (bensoïel feniel ureum) 480 g/ℓ

REGISTRASIEHOUER:
Bayer (Edms.) Bpk.
Reg. Nr. 1968/011192/07
Posbus 143
ISANDO 1600
SUID-AFRIKA
TEL: (011) 921 5911

VERSIGTIG

WAARSKUWINGS:

Hanteer versigtig.
Kan ligte velirritasie veroorsaak.
Giftig vir visse, skaaldiere en ander akwatiese- en grondgeleedpotige diere.
Berg in die oorspronklike houer in ‘n koel plek weg van voedsel en voer.
Hou buite bereik van kinders, oningeligte persone en diere.
Berg teen temperature wat nie 40 ºC oorskry nie.
Moenie op diere toedien nie.

VOORSORGMAATREËLS:

Moenie die spuitnewel inasem nie.
Dra beskermende klere tydens aanwending.
Was met seep en water na toevallige velkontak.
Klere moet na die dag se werk gewas word.
Moet nie eet, drink of rook tydens vermenging, toediening en voordat hande en gesig gewas is nie.
Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.
Maak toediener deeglik skoon na gebruik en moenie die mengsel oornag in die toediener laat staan nie.
Raak van uitspoelwater ontslae waar dit nie voedsel, weiding of water sal besoedel nie.
Spoel die leë plaagdoderhouer drie keer uit deur dit oor die spuittenk of mengbak om te keer en dit toe te laat om vir minstens 30 sekondes te dreineer nadat die vloei tot ‘n drup verminder het.
Spoel die houer daarna drie keer uit met ‘n volume water gelykstaande aan ‘n minimum van 10 % van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat die houer vernietig word.
Moenie die leë houer vir enige ander doel gebruik nie.
Moenie oor behandelde areas (bv. tapyte) loop voordat die behandeling deeglik droog geword het nie.
Verwyder troeteldiere en bedek of verwyder akwaria.
Moenie damme, rioolstelsels, afvoerpype, dammetjies, riviere of ander waterweë met die produk of gebruikte houers besoedel nie.

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI.

Starycide® SC kan binne- en buitenshuis, in handels- en nywerheidspersele, plase, voedselverbruik- en vervaardigingsinstansies, restourante, kantore, stoorkamers, hospitale, skole, barakke, huise, hotelle, skepe, markplekke en pakhuise gebruik word.

PLAAG	DOSIS	OPMERKINGS
Vlooi onvolwassenes	10 mℓ/ 10 ℓ water. Wend aan teen 50-100 mℓ spuitmengsel/m^2.	Bespuit alle besmette areas deeglik. Gebruik hoër dosis op absorberende oppervlakke. 1. Dit word aanbeveel dat die perseel gestofsuig en die inhoud van die stofsuiersakke verwyder word voor bespuiting. Dit is van spesifieke belang wanneer volwasse vlooie teenwoordig is. 2. Maak seker dat alle troeteldiere met 'n geskikte insekdoder behandel word om herbesmetting van die perseel te voorkom. 3. In die teenwoordigheid van volwasse vlooie moet **Starycide® SC** saam met 'n volwasse uitklop produk aangewend word (bv. **Tempo® SC***). Gelyktydige gebruik van prosedures 1-3 is nodig om bevredigende kontrole te verkry. 4. Herhaal wanneer nodig. **Buitenshuise gebruik:** As die grond baie droog is mag dit nodig wees om dit vooraf deeglik met 'n tuinslang te benat.
Vliegmaaiers (larwes)	a. 10 mℓ/ 10 ℓ water/ 10 m^2. b. Eerste behandeling: 4 mℓ/ 10 ℓ water/ 1000 ℓ mis.	Behandel die oppervlakke van besmette organiese materiaal (mis, vloeibare mis, ens.) sodra die eerste vlieë waargeneem word. **Starycide® SC** sal dan die ontwikkeling van die jong larf stadia na papies of volwassenes verhoed. Aanvanklik sal volwassenes uit die bestaande papies ontwikkel. Die behandelingsoppervlak moet volledig deurweek word. Herhaal die behandeling wanneer 'n laag vars mis bo-op die behandelde mis gevorm het, of wanneer groter (ouer) larf stadia gevind word. **Drup behandeling van 'n vloeibare miskuil:** Bepaal die hoeveelheid vloeibare mis wat elke dag geproduseer word. Meng **Starycide® SC** met genoeg water en voeg dit by die mis (bv. 4 mℓ produk in 10 ℓ water vir 'n 1000 ℓ mis). Verseker goeie vermenging.
	Deurlopende behandeling: 2 mℓ/ 10 ℓ water/ 1000 ℓ mis.	Wanneer die vliegbevolking begin afneem (na 2-3 weke), verminder die dosis tot 2 mℓ/ 1000 ℓ mis. As daar besmette dele van 'n drywende oppervlak is voordat die mis behandel word, behandel soos vir oppervlak behandeling.

Onvolwasse kakkerlakke en vismotte	10-20 mℓ/ 10 ℓ water. Spuit teen 100 mℓ spuitmengsel/m^2.	1. Dien deeglik toe in krake, skeure en ander plekke waar kakkerlakke en vismotte mag wegkruip. Wend aan tot op die punt van afloop. 2. Vir ‘n vinnige aanvangs-resultaat moet **Starycide® SC** saam met ‘n insekdoder vir volwasse insekte aangewend word (bv. **Tempo® SC***). 3. Gebruik hoër dosis vir hoë infestasies of vir langer nawerkende beheer.
Kleinmeelwurm larwes	125 mℓ/ 75 ℓ water/ 1500 m^2. Spuit teen 50 mℓ spuitmengsel/ m^2.	1. Plaas die vloerbedekking in elke huis nadat die huis skoon gemaak en ontsmet is. Vir beste resultate laat ontsmettingsmiddel toe om behoorlik droog te word voor die vloerbedekking gegooi word. 2. Spuit 50 mℓ/m^2 **Starycide® SC** mengsel oor die vloerbedekking van elke huis. Vermeng die vloerbedekking deur dit te hark. 3. Wanneer volwasse meelwurm-kewers teenwoordig is, moet **Starycide® SC** saam met ‘n geskikte volwasse insekdoder soos **Baythroid® WP**** toegedien word.
Muskiet larwes: 1. *Aedes* spp. 2. *Culex, Anopheles* of ander spesies en gemengde bevolkings	 67.5 mℓ/ 10 ℓ water/ha. 250 mℓ/ 10 ℓ water/ha.	Oppervlakbehandeling van kuile, damme, moerasse en ander waterliggame. **Starycide® SC** is doeltreffend teen die jongste larf stadia, wat doodgaan terwyl hulle vervel in voorbereiding vir hulle metamorfose na die volgende stadia. Behandeling beïnvloed nie die metamorfose van die ouer larf stadia of papies na volwassenes nie. Die effektiwiteit van **Starycide® SC** word met die waarneming van nuwe vierde stadia larwes of papies bepaal. Die waarneming van eerste stadia larwes is nie belangrik nie, omdat hulle eers vrek terwyl hulle vervel na die tweede stadia. **Toediening:** Vir behandeling van gemengde bevolkings: 1. Handsproeiers: Meng 12.5 mℓ met 10 ℓ water, genoeg vir 500 m^2 water area. 2. Pompsproeiers: Meng 125 mℓ met 10 ℓ water, genoeg vir 5000 m^2 water area. 3. ULV grond toerusting (misopwekkers, ens.): Meng 500 mℓ produk met 10 ℓ water, genoeg

		vir 2 ha water area. 4. ULV lugaanwending (vliegtuig, helikopter, ens.): Meng 250 mℓ produk met 10 ℓ water, genoeg vir 1 ha water area.

Starycide® SC is ‘n stadigwerkende insekdoder wat veral teen die onvolwasse stadia van insekte werk. Waar onmiddellike aksie verlang word, word die gebruik van ‘n aanbevole uitklopproduk as ‘n tenkmengsel met **Starycide® SC** aanbeveel.

*__Tempo® SC__, Reg. Nr. L4544 (Wet Nr. 36 van 1947)
**__Baythroid® WP__, Reg. Nr. L2198 (Wet No. 36 van 1947)

Vir enige produk navrae, skakel Bayer Environmental Science - 011 921 5911. Slegs vir vergiftigingsnoodgevalle kan Griffon Gif Inligtingsentrum ook gekontak word - 082 446 8946.

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