

MESUROL[®]

200 SC

SEE ENCLOSED PAMPHLET FOR FULL PARTICULARS

SIEN INGESLOTE PAMFLET VIR VOLLEDIGE BESONDERHEDE

Reg. No. L9268 (Act No. 36 of 1947)

Reg. Nr. L9268 (Wet Nr. 36 van 1947)

A suspension concentrate molluscicide and insecticide for use as a bait for the control of snails, slugs, millipedes and thrips on citrus.

'n Suspensie konsentraat slak- en insekdoder vir gebruik as 'n lokaas vir die beheer van slakke, duisendpote en blaaspootjies op sitrus.

INSECTICIDE GROUP CODE 1A INSEKDODERGROEPKODE

Active ingredient:
Methiocarb (carbamate)..... 200 g/l

Aktiewe bestanddeel:
Metiokarb (karbamaat)..... 200 g/l

REGISTERED BY / GEREGISTREER DEUR:

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Reg. 1968/011192/07
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IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL: (021) 931-6129

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BATCH NUMBER: See on pack
LOTNOMMER:

DATE OF MANUFACTURE: Sien op houer
DATUM VERVAARDIG:

Bayer

RSA/0318/Mesuro[®] 5L/Sales Panel
Code: 8495500B



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200 SC

Insecticide

A suspension concentrate molluscicide and insecticide for use as a bait for the control of snails, slugs, millipedes and thrips on citrus.

contains:
Methiocarb (carbamate)

Packaging / Verpakking:
5 L



HARMFUL
SKADELIK



Insekdoder

WAARSKUWINGS:

MOENIE DIE LOKAAS OP OF OOR PLANTE WAT VIR MENSLIKE OF DIERLIKE GEBRUIK BEDOEL IS, STROOI NIE.

LAAT 42 DAE TOE TUSSEN LAASTE TOEDIENING EN OES VAN SITRUS.

LET WEL: Die aanbevole onthoudingsperiode tussen laaste toediening en oes voldoen aan die vereistes vir plaaslike residuvlakke maar mag dalk nie voldoen aan die vereistes vir uitvoer nie. Indien die behandelde gewas bestem is vir die uitvoermark, skakel met die betrokke uitvoerliggaam voor toediening van die produk, rakende onthoudingsperiodes.

Hanteer versigtig.

Skadelik wanneer ingeasem en ingesluk.

Baie giftig vir water organismes, mag 'n langtermyn nadelige uitwerking hê op die akwatiese omgewing.

Bewaar weg van voedsel en voer.

Hou buite bereik van kinders, oningeligte persone en diere.

In gevalle van vergiftiging ONTBIED 'N GENEESHEER EN TOON ETIKET AAN HOM/HAAR

HERBETREDING: Moet nie behandelde gebied betree vir 1 dag na die bespuiting nie, tensy beskermende oorklere gedra word.

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 BEÏNVOLOED 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 LAAG TEEN DIE BETROKKE MIDDEL SOWEL AS DIE METODE, TYD EN AKKURAAKTHEID 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 IN DIE GEVAL VAN ENIGE ONSEKERHEID.

VOORSORGMATREËLS:

Moenie die spuitmis inasem nie.

Vermyn langdurige velkontak. Dra handskoene wanneer met die hand toegedien word.

Was hande met seep en warm water na toediening.

Was besoedelde klere daagliks.

Was dadelik met seep en water na toevallige velkontak.

Moet nie eet, drink of rook tydens toediening en voordat hande en gesig gewas is nie.

Maak spuitapparaat skoon na gebruik, raak ontslae van uitspoelwater waar dit nie gewasse, riviere en damme kan besoedel nie.

Spoel leë houër drie keer uit met 'n volume water gelyk aan ten minste een tiende van die van die houër en voeg die uitspoelwater by die inhoud van die spuittenk voordat van die houër op die voorgeskrywe metode ontslae geraak word.

Vernietig leë houër deur gate in te maak en plat te slaan. Moet vir geen doel weer gebruik nie.

Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

NOODHULPBEHANDELING:

Algemene advies: Beweeg uit gevaar sone uit. Plaas die pasiënt op sy/haar sy en vervoer in 'n stabiele posisie. Verwyder onmiddellik besmette klere en raak op 'n veilige manier daarvan ontslae.

Inaseming: Beweeg na vars lug in geval dampe of ontbindings produkte per ongeluk ingeasem is. Dien suurstof of kunsmatige asemhaling toe indien nodig. Kontak 'n geneesheer of die gif beheer sentrum onmiddellik.



Velkontak: Was deeglik af met genoegsame seep en water, indien beskikbaar met polyethyleenglikol 400 en spoel hierna af met water.

Oogkontak: Spoel onmiddellik uit met genoegsame water vir ten minste 15 minute, ook onder die ooglede. Verwyder kontaklense na die eerste 5 minute indien teenwoordig en gaan voort met spoeling. Verkry mediese behandeling indien irritasie ontwikkel en voortduur.

Ingesluk: Spoel mond uit. Verorsaak braking slegs indien: 1. die pasiënt by sy/haar volle bewussyn is, 2. mediese hulp nie gereedlik beskikbaar is nie, 3. 'n beduidende hoeveelheid (meer as 'n mondvol) ingesluk is en 4. die tydsverloop sedert die gifstof ingeluk is minder as een uur is. (braaksel moet nie in die asemhalings kanaal beland nie). Kontak onmiddellik 'n geneesheer of die gif beheer sentrum.

NOTA AAN GENEESHEER:

Simptome

Na oogkontak kom tydelike onduidelike sig voor as gevolg van die pupille wat saamtrek (miose), bradikardie, lae bloed druk, speekselvloei, brongiale hiperafskeiding, braking, maagwerking, sweet, spiertrekkings, spasmas, swaar asemhaling, respiratoriese verlamming, slaperigheid, koma, ophou asemhaal, lae liggaamstemperatuur, stuiptrekkings en naarheid.

Risiko: Hierdie produk is 'n cholinesterase inhiberings karbamaat

Behandeling:

Kontroleer: asemhalings-, hart- en sentrale senuwee stelsels, bloed funksies asook rooi bloedsel en plasma cholinesterase. EKG monitering (elektrokardiogram). Dien suurstof toe of pas kunsmatige asemhaling toe indien nodig. Hou lugweg oop. In gevalle waar produk ingesluk is, kan maagspoeling oorweeg word en as 'n beduidende hoeveelheid ingesluk is, alleenlik binne die eerste 2 ure. Die toediening van geaktiveerde koolstof en natrium sulfaat is egter altyd raadsaam. Die volgende teenmiddel is algemeen aanvaarbaar: atropine.

Alvorens die teenmiddel toegedien word moet óf duidelike simptome van vergiftiging teenwoordig wees óf die cholinesterase aktiwiteit moet laer as 30% van normaal geïnhibeerd wees. In geval van stuiptrekkings behoort 'n bensodiasepiene (bv. diasepam) volgens standaard voorskrif toegedien te word.

Kontraindikasie: oksiem (pralidoksien, obidoksien)

Insekdoder

WEERSTANDBESTUUR:

Mesuroi 200 SC is 'n groepkode 1A insekdoder. Enige populasie van 'n spesifieke insek mag individue insluit wat 'n natuurlike weerstand teen **Mesuroi 200 SC** of enige ander groepkode 1A insekdoder het. Indien hierdie insekdoders herhaaldelik aangewend word kan die weerstandbiedende individue uiteindelik die insekpopulasie oorheers. Hierdie weerstandbiedende insekte sal waarskynlik nie deur **Mesuroi 200 SC** of enige ander groepkode 1A insekdoder beheer word nie.

Om weerstand teen insekdoders te vertraag:

- Vermyn die eksklusiewe herhaaldelike gebruik van insekdoders in dieselfde insekdoder groepkode. Wissel af met produkte in verskillende insekdoder groepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in insekbeheer programme.

Vir spesifieke inligting oor weerstandbestuur kontak die registrasiehouer van hierdie produk.

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANBEVEEL.

MENGINSTRUKSIES:

In die geval van sitrus bespuiting, maak die spuittenk halfvol met water. Voeg dan die benodigde hoeveelheid **Mesuroi 200 SC** by die water terwyl dit geroer word. Voeg die suiker by en vul die tenk verder met die oorblywende water. Meng deeglik. **Moenie** die spuitmengsel laat oorstaan voor gebruik nie.

PLAAG	TOEDIENINGS-HOEVEELHEID	OPMERKINGS
SLAKKE EN DUISENDPOTE	1 ℓ Mesuroi 200 SC + 10 kg semels in 14 ℓ water	<u>Berei die lokaas soos volg:</u> Los die Mesuroi 200 SC in die benodigde hoeveelheid water in 'n gieter op en maak die semels met die oplossing nat terwyl dit deeglik met 'n graaf gemeng word. Gebruik die voorbereide, Mesuroi 200 SC semelmengsel teen 30 kg/ha deur dit breedwerpig te saai of in klein hopies neer te sit. Uitstekende resultate sal verkry word as die lokaas in die laat middag toegedien word. Herhaal na 2-3 weke indien dit nodig is.
SITRUS Blaaspootjies (<i>Scirtothrips aurantii</i>)	<u>Lokaas toedienings</u> 40 ml + 200 g witsuiker per 100 ℓ water	Dien die eerste bespuiting toe op 50-100% blomblaarval as 'n ligte dekbespuiting (±5 ℓ spuitmengsel per volgroeiende boom met 'n maksimum van 10 ℓ). Herhaal met tussenposes van 7-14 dae (afhangende van infestasië druk soos bepaal deur verkenning) en na reën gedurende die tydperk wanneer blaaspootjies skade aanrig. Indien baie hoë infestasië druk binne die eerste 5 weke na aanvang van bespuiting ondervind word kan die Mesuroi 200 SC spuitprogram onderbreek word met 'n ander insekdoder geregistreer teen blaaspootjies.

NOTA:

1. Bespuitingsintervalle moet bepaal word deur behoorlike verkenning vir die teenwoordigheid van blaaspootjies.
2. Moenie **Mesuroi 200 SC** meer as 6 keer per seisoen en later as die einde Januarie toedien nie. Indien verdere beheermaatreëls nodig is, gaan voort met 'n ander insekdoder geregistreer teen blaaspootjies, soos aanbeveel.



Insecticide

WARNINGS:

DO NOT SPRINKLE THE BAIT OVER OR ONTO PLANTS REQUIRED FOR HUMAN OR ANIMAL CONSUMPTION.

ALLOW 42 DAYS BETWEEN LAST APPLICATION AND HARVEST ON CITRUS.

NOTE: The recommended withholding period between last application and harvest meets local residue requirements but may not meet export requirements. If the treated crop is intended for the export market, consult the relevant exporting body before application of the product, regarding pre-harvest interval requirements.

Handle with care.

Harmful by inhalation and if swallowed.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Store away from food and feedstuffs.

Keep out of reach of children, uninformed persons and animals.

In case of poisoning CALL A DOCTOR AND MAKE THIS LABEL AVAILABLE TO HIM/HER.

RE-ENTRY: Do not enter treated area within 1 day after treatment unless wearing protective clothing.

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 PEST 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 inhale fumes or spray mist.

Avoid prolonged skin contact. Wear rubber gloves when applying by hand.

Wash hands with soap and warm water after use.

Wash contaminated clothing daily.

Wash with soap and water immediately after accidental skin contact.

Do not eat, drink or smoke whilst mixing, applying or before washing hands and face.

Clean applicator after use, dispose of wash water where it will not contaminate crops, grazing, rivers and dams.

Rinse empty container three times with a volume of water equal to at least one tenth of that of the container and add the rinsing to the contents of the spray tank before disposing of the container in the prescribed manner.

Destroy empty container by perforation and flattening and never use for any other purpose.

Prevent contamination of food, feedstuffs, drinking water, eating utensils.

FIRST AID TREATMENT:

General advice: Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.



Inhalation: Move to fresh air in case of accidental inhalation of vapours or decomposition products. Give oxygen or artificial respiration if needed. Call a physician or poison control center immediately.

Skin contact: Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400 subsequently rinse with water.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Induce vomiting only, if: 1. patient is fully conscious, 2. medical aid is not readily available, 3. a significant amount (more than a mouthful) has been ingested and 4. time since ingestion is less than 1 hour. (Vomit should not get into the respiratory tract.) Call a physician or poison control center immediately.

NOTE TO PHYSICIAN:

Symptoms

Temporary blurred vision due to contraction of the pupils (miosis) following contact with the eyes., bradycardia, low blood pressure, Salivation, bronchial hypersecretion, Vomiting, Diarrhoea, sweating, Muscular fasciculation, spasm, breathing difficulties, respiratory paralysis, Somnolence, Coma, respiratory failure, hypothermia, Convulsions, Nausea.

Risk: This product contains a cholinesterase inhibitor carbamate.

Treatment

Monitor: respiratory, cardiac and central nervous system, blood picture and red blood cell and plasma cholinesterase. ECG monitoring (Electrocardiogram). Give oxygen or artificial respiration if needed. Keep respiratory tract clear. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.

The following antidote is generally accepted: atropine.

Before antidote is administered, either clear symptoms of poisoning have to be present or the cholinesterase activity is inhibited to below 30% of normal. In case of convulsions, a benzodiazepine (e.g. diazepam) should be given according to standard regimens.

Contraindications: oximes (pralidoxime, obidoxime).

Insecticide

RESISTANCE MANAGEMENT:

For resistance management, **Mesurool 200 SC** is a group code 1A insecticide. Any insect population may contain individuals naturally resistant to **Mesurool 200 SC** and other group code 1A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **Mesurool 200 SC** or any other group code 1A insecticides.

To delay insecticide resistance:

- Avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate with products from different insecticide group codes.
- Integrate other control methods (chemical, cultural, biological) into insect control programs.

For specific information on resistance management contact the registration holder of this product.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED.

MIXING INSTRUCTIONS:

In case of citrus spraying, half fill the tank with water. Then pour the required quantity of **Mesurool 200 SC** into the water while agitating. Add the sugar and fill the tank with the remaining water. Mix thoroughly. **Do not** allow the spray mixture to stand any length of time before using.

PEST	DOSAGE	REMARKS
SNAILS, SLUGS AND MILLIPEDES	1 ℓ Mesurool 200 SC + 10 kg bran in 14 ℓ water	Prepare the bait as follows: Suspend the Mesurool 200 SC in the required amount of water in a watering can and wet the bran, while working it through thoroughly with a spade, with the mixture. Use the prepared Mesurool 200 SC - Bran mixture at 30 kg/ha either broadcasted or put down as small lumps. Best results will be obtained if the bait is applied during late afternoon. Repeat after 2-3 weeks if necessary.
CITRUS Thrips (<i>Scirtothrips aurantii</i>)	Bait sprays 40 ml + 200 g white sugar per 100 ℓ water	Apply the first spray at 50-100 % petal fall as a light brush application (±5 ℓ spray mixture per fully grown tree with a maximum of 10 ℓ). Repeat at 7-14 day intervals (depending on infestation pressure as indicated by scouting results) and after rain during the period when thrip damage can occur. Should very high infestation pressure occur within the first 5 weeks after commencement of the Mesurool 200 SC spray programme, the Mesurool 200 SC spray programme can be interrupted with another insecticide registered against thrips.

NOTE:

1. Spray intervals should be determined by proper scouting for the presence of thrips.
2. Do not apply **Mesurool 200 SC** more than 6 times per season and later than end of January. If additional control measures are necessary, continue with another insecticide registered against thrips as recommended.



