



METHOMEX[®] 200 SL

Reg. no. L5253 Act/Wet 36 of/van 1947

A water soluble liquid insecticide for the control of pests in crops as indicated.

'n Wateroplosbare vloeistof insekdoder vir die beheer van plae in gewasse soos aangedui.

IRAC INSECTICIDE GROUP CODE

1A

IRAC INSEKDODER GROEPKODE

ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL

methomyl (carbamate) 200 g/L metomil (karbamaat)

NET VOLUME/NETTO VOLUME

..... L

REGISTRATION HOLDER/REGISTRASIEHOUER

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METHOMEX[®] is the registered trademark of a company of the ADAMA GROUP.
METHOMEX[®] is die geregistreerde handelsmerk van 'n maatskappy van die ADAMA GROEP.

CONTACT IN EMERGENCY/KONTAK IN NOOD

Griffon Poison Information Centre: +27 82 446 8946
Tygerberg Poison Information Centre: +27 861 555 777

Batch number
Date of manufacture

Lotnommer
Datum van vervaardiging

UN no.: 2758





WARNINGS

Withholding periods (minimum number of days between last application and harvest or grazing):

Citrus: 90 g/100 l dosage	2 days
Citrus: greater than 90 g/100 l dosage	28 days
Cruciferae	4 days
Grain sorghum, maize, pastures, wheat, lupins, lucerne, tobacco (flue-cured)	7 days
Green beans	14 days
Hops	14 days
Peaches	16 days
Potatoes	3 days
Tobacco (air-cured)	14 days
Tomatoes	2 days

Export crops: The local maximum residue levels (MRLs) will not be exceeded if **METHOMEX® 200 SL** is used according to the label instructions. However, ADAMA South Africa (Pty) Ltd cannot be held responsible if export MRLs are exceeded. The local export marketing bodies must be consulted regarding application timing, withholding periods and specific tolerances of countries where produce will be exported to.

METHOMEX® 200 SL MAY CAUSE YELLOWING OF THE LEAF TIPS WHEN USED ON CERTAIN CARNATION VARIETIES.

DO NOT USE METHOMEX® 200 SL IN COMBINATION WITH WETTING AGENTS ON TOBACCO SEEDBEDS OR ON CITRUS.

- Handle with extreme care.
- Poisonous by contact, swallowing or inhalation: a small quantity may be fatal if swallowed or inhaled.
- Toxic to fish, bees and wildlife.
- Store under lock and key, away from foodstuffs and feed.
- Keep container well closed. Keep out of reach of children, animals and uninformed persons.
- In case of poisoning, call a doctor immediately and make this label available to him/her.
- **Aerial application:** Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not apply over water or adjacent areas that are not under treatment, or allow the spray mist to drift over these areas.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not guarantee that it will be effective under all conditions. The activity 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 pests against the remedy 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 humans or animals or for lack of performance of the remedy concerned due to failure by 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

- Avoid inhalation of spray mist and fumes and contact with eyes, skin or clothing.
- Wear protective clothing (overall, rubber boots, gloves and respirator).
- Wash contaminated clothing daily.
- In case of skin contact wash thoroughly with soap and water.
- Do not eat, drink or smoke while applying or preparing the spray mix, or before washing face and hands.
- Prevent drift of spray onto other crops, grazing, rivers, dams and any area not under treatment.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Clean applicator before using for other materials and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- Rinse empty container three times with a volume of water that is equal to 10 % of the container. Add the rinsings to the spray tank.
- Destroy empty container in the prescribed manner and never use for any other purpose.

SYMPTOMS OF HUMAN POISONING

Headache, fatigue, faintness, giddiness, excessive sweating, nausea, abdominal pains, vomiting, tightness of the chest, blurred vision, muscle twitching, small pupils, respiratory distress and coma.

FIRST AID TREATMENT

- Remove patient from source of poisoning to a cool, well-ventilated area and keep him quiet and reassured.
- Remove contaminated clothing and rinse contaminated body area thoroughly with plenty of soap and cold water. Do not rub skin.
- Flush contamination out of eyes with clean water for at least 15 minutes.
- If swallowed, induce vomiting by tickling the back part of the throat. Repeat until vomit fluid is clear and free from smell of poison. Take the patient immediately to the nearest physician. Administer artificial respiration or closed chest massage if necessary.
- Do not apply direct mouth-to-mouth respiration.
- Never give anything by mouth to an unconscious person.



NOTE TO PHYSICIAN

Administer Atropine sulphate intravenously (1-4 mg) every 5 to 15 minutes until signs of atropinization (dry flushed skin and tachycardia). Pralidoxyme (2-PAM, Protopam) and other oximes are contra-indicted.

RESISTANCE WARNING

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

To delay insecticide resistance:

- Avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate or tank mix with products from different insecticide codes.
- For tank mixing or alternation with products in other insecticide group codes, refer to applicable product labels.
- Integrate control methods (chemical, cultural and biological) into disease control programs.

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

DIRECTIONS FOR USE

Use only as indicated.

Mixing instructions

Add the required amount to a half-full spray tank and mix thoroughly and fill up slowly while agitating (mechanical or hydraulic). Commence agitating of mixture a few minutes before starting to spray. Agitation is necessary to ensure thorough mixing of insecticide.

APPLICATION

Aerial application

Aerial application of **METHOMEX® 200 SL** may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- Volume: A spray mixture volume of 30 litres per hectare is recommended. As this product has not been evaluated at a reduced rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume than recommended above.
- Droplet coverage: 30 to 40 droplets per cm² must be recovered at the target area.

- **Droplet size:** A droplet spectrum with a VMD of 250 to 280 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- **Flying height:** Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8 °C.
- Stop spraying if the wind speed exceeds 15 km/h.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following:
 - a) Reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - b) Damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.
- Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

APPLICATION RATES

CROP AND DISEASE	DOSAGE	REMARKS
Carnations Carnation worm <i>(Epichoristodes acerbella)</i>	450 ml/100 L water	Ensure good coverage of the whole plant. Repeat weekly.
Citrus Aphids <i>(Toxoptera citricida;</i> <i>Aphis gossypii)</i> African bollworm (American bollworm) <i>(Helicoverpa armigera)</i>	90 ml/100 L water	Apply as a full cover spray when aphids and/or worms appear. Repeat when necessary.
Mealybugs <i>(Planococcus citri;</i> <i>Nipaecoccus vastator;</i>	90 ml/100 L water	Apply as a full cover spray with a high-pressure sprayer as soon as young nymphs appear on the fruit. Repeat if necessary.



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CROP AND DISEASE	DOSAGE	REMARKS
<p><i>Paracoccus burnerae</i></p> <p>Orange dog caterpillar (<i>Papilio spp</i>)</p> <p>Red scale (<i>Aonidiella aurantii</i>)</p> <p>Soft green scale (<i>Pulvinaria aethiopica</i>)</p>	<p>115 ml/100 L water</p> <p>450 ml plus 3 L light narrow range mineral oil per 100 L water</p> <p>90 ml plus 500 ml narrow range mineral oil/100 L water</p>	<p>Apply as a light cover spray as soon as larvae are noticed.</p> <p>Corrective treatment: Apply when 25 to 40 % of the fruit is infested with one or more live nymphs or adult scale.</p> <p>WARNING: Fruit bearing trees: Only one application must be made between December and March for late cultivars. Early cultivars may only be sprayed in December or January and not later than January. Application must be made with high pressure air compressor handguns. Do not apply with conventional citrus spray rigs.</p> <p>Apply as a full cover spray with a high-pressure pump when the first visible signs of infestation are seen. Do not use less than 500 ml oil/100 L water.</p>
<p>Citrus (continued)</p> <p>Waxy scale (<i>Gascardia destructor</i>)</p>	115 ml/100 L water	Apply as a full cover spray with a high-pressure pump as young nymphs of a new generation move from the leaves to the twigs. This treatment will not be successful against adult waxy scale.
<p>Cruciferae</p> <p>Larvae of the diamond back moth (<i>Plutella xylostella</i>)</p> <p>Greater cabbage moth (<i>Crociodolomia binotalis</i>)</p> <p>Aphids (<i>Brevicoryne brassicae</i>)</p> <p>African bollworm (American bollworm) (<i>Helicoverpa armigera</i>)</p>	<p>225 ml/100 L water</p> <p>1125 ml/ha</p>	<p>Apply when worms first appear on the leaves. Use up to 500 L spray mixture/ha. During hot weather and peak infestations, shorten the spray intervals to between 3 to 5 days. Ensure thorough wetting of the plants.</p> <p>Ground application: Apply in sufficient water to ensure good coverage.</p> <p>Aerial application: Apply in 30 L water as soon as worms appear. Repeat if necessary.</p>
<p>Grain sorghum, wheat, lupins and lucerne</p> <p>African bollworm</p>	<p>900 ml/ha</p> <p>900 ml/ha</p>	<p>Aerial application: Apply in 30 L water when pests are noticed. Repeat as necessary.</p> <p>Ground application:</p>



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CROP AND DISEASE	DOSAGE	REMARKS
(American bollworm) (<i>Helicoverpa armigera</i>)	225 ml/100 L water	Low volume. Apply in 100 to 200 L water. High volume: Apply up to 400 L spray mixture/ha.
Grazing and other crops Army worm (<i>Spodoptera exempta</i>)	225 ml/ha	Ground application: Apply in 400 L water as soon as pest is noticed.
Green beans African bollworm (American bollworm) (<i>Helicoverpa armigera</i>)	225 ml/100 L water 1125 ml/ha	Ground application: Ensure good coverage on the plants and apply up to 500 L spray mixture/ha. Aerial application: Apply in 30 L water as soon as infestation appears. Repeat if necessary.
Hops African bollworm (American bollworm) (<i>Helicoverpa armigera</i>)	150 ml/100 L	Commence application as soon as the eggs or the first larvae are noticed, when hop bines are emerging and starting to grow on the hop string. If necessary, a second application may be done during the cone development of the hops. Applications are usually done during November/December and February/March. Do not apply more than 2 applications per season.
Maize African bollworm (American bollworm) (<i>Helicoverpa armigera</i>)	900 ml/ha 900 ml/ha 225 ml/100 L water	Aerial application: Apply in 30 L water as soon as worms are noticed on the silks. METHOMEX® 200 SL will not control worms which have already entered the cob. Ground application: Low volume: Apply in 100–200 L water. High volume: Apply up to 400 L spray mixture/ha.
Peaches False codling moth (<i>Cryptophlebia leucotreta</i>)	225 ml/100 L water	Early cultivars: Apply two sprays ensuring that the tree is thoroughly wetted. Apply the first spray 4 weeks before harvest and the second 10 days later. Also apply a registered product for fruit fly control. Late cultivars: Apply three sprays beginning 6 weeks before harvest and repeat at 10 day intervals. Ensure good coverage of the trees. Also apply registered product for fruit fly control.
Potatoes Potato tuber moth (<i>Phthorimaea operculella</i>) African bollworm	1350–2250 ml/ha	Aerial application: Apply in 30 L water. Use the higher dosage if the spray interval exceeds one week. For tuber moth, begin application as soon as the plant is one month old and repeat applications weekly throughout the growing season. Potatoes must be ridged at least twice



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CROP AND DISEASE	DOSAGE	REMARKS
(American bollworm) (<i>Helicoverpa armigera</i>)	225 ml/100 L water	during the growing season. For American Bollworm one application is enough to control one outbreak. If further outbreaks occur, repeat application as necessary. Ground application: Ensure good coverage and wetting of the plant. Apply to 1000 L spray mixture/ha.
Roses Aphids (<i>Macrosiphum rosae</i>)	115 ml/100 L water	Apply as a full cover spray. Repeat as necessary. Apply up to 500 L spray mixture/ha.



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CROP AND DISEASE	DOSAGE	REMARKS
Tobacco Leafminer (<i>Phthorimaea operculella</i>) African bollworm (American bollworm) (<i>Helicoverpa armigera</i>) Tobacco slug (<i>Oulema bilineata</i>) Stinkbug (<i>Pentatomidae spp</i>)	225 ml/100 L water	Ground application: Apply when pests are noticed. For leafminer, spray weekly and ensure thorough wetting of plants. Apply up to 500 L spray mixture/ha.
African bollworm (American bollworm) (<i>Helicoverpa armigera</i>) Tobacco slug (<i>Oulema bilineata</i>) Stinkbug (<i>Pentatomidae spp</i>)	1125 ml/ha	Aerial application: Apply in 30 L water when pests are noticed. Repeat as necessary.
Tomatoes African bollworm (<i>Helicoverpa armigera</i>) Leafminer (<i>Phthorimaea operculella</i>) Aphids (<i>Aphididae spp</i>) Thrips (<i>Thrips tabaci</i>)	225 ml/100 L water	Apply as a full cover spray as soon as fruit begin to set or earlier if necessary and repeat at 7 to 10 day intervals during the growing season.

WAARSKUWINGS

Onthoudingsperiodes (minimum aantal dae tussen laaste toediening en oes of weiding):

Aartappels	3 dae
Graansorghum, mielies, weidings, koring, lupine, lusern, tabak (oondroog).....	7 dae
Groen bone	14 dae
Hops	14 dae
Koolgewasse	4 dae
Perskes	16 dae
Sitrus – 90 g/100 l dosis.....	2 dae
Sitrus – hoër as 90 g/100 l dosis.....	28 dae
Tabak (lugdroog).....	14 dae
Tamaties	2 dae

Uitvoergewasse: Die plaaslike maksimum residuvlakke (MRV's) sal nie oorskry word nie indien **METHOMEX® 200 SL** volgens etiketaanbevelings gebruik word. ADAMA South Africa (Pty) Ltd kan egter nie verantwoordelik gehou word indien uitvoer-MRV's oorskry sou word nie. Skakel die plaaslike uitvoerorganisasies rakende tyd van toediening, onthoudingsperiodes en spesifieke toleransievereistes van lande waarheen produkte uitgevoer gaan word.

METHOMEX® 200 SL MAG OP SEKERE ANGELIERVARIËTEITE VERGELING VAN DIE BLAARPUNTE VEROORSAAK.

MOET NIE METHOMEX® 200 SL IN KOMBINASIE MET BENATTINGSMIDDEL OP TABAKBEDDINGS OF OP SITRUS GEBRUIK NIE.

- Hanteer uiters versigtig.
- Giftig deur kontak, inname of inaseming : 'n baie klein hoeveelheid mag dodelik wees.
- Giftig vir visse, bye en wild.
- Stoor agter slot en grendel en weg van voedsel en voer.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Hou houder dig toe.
- In geval van vergiftiging, ontbied 'n geneesheer en toon hierdie etiket aan hom/haar.

- **Lugtoediening:** Stel alle inwoners in die onmiddellike omgewing van die gebied wat bespuit gaan word in kennis en reik die nodige waarskuwings uit. Moet nie oor water of aanliggende gebiede wat nie behandel word toedien of toelaat dat die spuitnewel oor die gebiede dryf nie.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie. Die werking en doeltreffendheid daarvan kan beïnvloed word deur faktore soos abnormale grond, klimaats- en bergingstoestande, kwaliteit van die verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui word nie en die voorkoms van weerstand van die plaë teen die betrokke middel sowel as die tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei en die omgewing of nadelige invloede op mense of diere of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van 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.

VOORSORGMAATREËLS

- Voorkom inaseming van dampe en sproeinewel en kontak met die oë, vel of klere.
- Dra beskermende klere (oorpak, rubberstewels, handskoene en respirator).
- Was besoedelde klere daaglik.
- In geval van toevallige velkontak was met seep en water.
- Moet nie eet, drink of rook tydens toediening of vermenging nie, of voordat gesig en hande gewas is nie.
- Voorkom oorwaai van spuitnewel na ander gewasse, weiding, riviere, damme en enige ander gebied wat nie behandel word nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.
- Maak die apparaat skoon voordat dit vir ander middels gebruik word en raak ontslae van die spoelwater waar dit nie gewasse, weidings, riviere of damme sal besoedel nie.
- Spoel die leë houer driekeer uit met 'n volume water gelykstaande aan 10 % van die houer. Gooi die spoelwater in die spuittenk.
- Vernietig die leë houer deur voorgestelde metode en dit moet vir geen ander doel gebruik word nie.

SIMPTOME VAN MENSLIKE VERGIFTIGING

Hoofpyn, vermoeidheid, floute, duiseligheid, oormatige sweet, mislikheid, buikpyn, braking, benoudheid, versteurde gesigsvermoë, spiertrekkings, gewoonlik verkleinde pupille, asemhalingsnood en bewusteloosheid.

NOODHULPBEHANDELING

- Verwyder pasiënt van die oorsaak van vergiftiging na 'n koel, goed geventileerde omgewing. Stel hom gerus en hou hom stil.



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- Verwyder besoedelde klere en spoel die besmette liggaamsdele met baie seep en koue water af. Moenie die vel hard vryf nie.
- Besmette oë moet vir tenminste 15 minute met skoon water uitgespoel word.
- Indien per mond ingeneem, veroorsaak braking deur die agterste gedeelte van die keel te prikkel met u vinger. Herhaal totdat braaksel helder is en nie langer na gif ruik nie. Neem die pasiënt onmiddellik na die naaste genesheer.
- Pas kunsmatige asemhaling of geslote hartmassering toe indien nodig.
- Moenie direkte mond-tot-mond asemhaling toepas nie. Moet nooit iets per mond aan 'n bewustelose persoon toedien nie.

NOTA AAN DIE GENEESHEER

Dien atropiensulfaat binnears (1-4 mg) toe elke 5 tot 15 minute tot die eerste teken van atropinisasie (droë gloeiende vel en tachycardia) voorkom. Palidoxime (2-PAM, Protopam) en ander oksieme moet nie gebruik word nie.

WEERSTANDSWAARSKUWING

Vir die doel van weerstandbestuur word **METHOMEX® 200 SL** as 'n groepkode 1A insekdoder geklassifiseer. Enige populasie van 'n spesifieke insek individue insluit wat 'n natuurlike weerstand teen **METHOMEX® 200 SL** of enige ander groepkode 1A insekdoder het. Indien hierdie insekdoders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die insekpopulasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur **METHOMEX® 200 SL** of enige ander groepkode 1A insekdoder beheer word nie.

Om insekdoderweerstand te vertraag:

- Vermyn die eksklusiewe herhaaldelike gebruik van insekdoders met dieselfde groepkode. Wissel af met of gebruik tenkmengsels van produkte in verskillende insekdoder groepkodes.
- Raadpleeg toepaslike individuele produketikette wanneer daar afgewissel word, of tenkmengsels gemaak word, met produkte in ander insekdoder groepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing en biologies) in insekdoderprogramme.

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

GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui.

Menginstruksies

Voeg die benodigde hoeveelheid by die half vol spuittenk en meng deeglik deur roering terwyl die spuittenk stadig volgemaak word (meganies of hidrolies). Roering is noodsaaklik om die insekdoder goed te vermeng tydens die mengproses en toediening.

TOEDIENING

Lugtoediening

METHOMEX® 200 SL kan slegs deur 'n geregistreerde Lugbespuitingsperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SANS 10118 (Aerial Application of Agricultural Pesticides) uit die lug bespuit word. Verseker dat die spuitmengsel eweredig oor die teikenarea versprei word, en die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is daarom belangrik om aan die volgende vereistes te voldoen:

- Volume: 'n Spuitmengsel volume van 30 liter per ha word aanbeveel. Hierdie produk is nie teen 'n verlaagde volume getoets nie. Die registrasiehouer kan nie effektiwiteit waarborg, of verantwoordelik gehou word vir enige nadelige effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, toegedien word nie.
- Druppel bedekking: 30 tot 40 druppels per cm² moet op die teikenarea herwin word.
- Druppelgrootte: 'n Druppelspektrum met 'n VMD van 250 tot 280 mikrons word aanbeveel. Beperk die produksie van druppels kleiner as 150 mikrons (hoë drywing en verdampingspotensiaal) tot 'n minimum.
- Vlieghoogte: Handhaaf die hoogte van die spuitbalk bo die teiken op 3 tot 4 meter. Moet nie spuit wanneer die vliegtuig duik nie, uitklim of draai nie.

- Gebruik geskikte atomiseringsapparaat wat die vereiste druppelgrootte en bedekking sal produseer, maar die minste verlies van produk verseker. Die spuitstelsel moet 'n druppelspektrum met die kleinste moontlike Relatiewe Span produseer.
- Plaas al die atomiseerders in die binnste 60 tot 75 % van die vlerkspan om te verhoed dat druppels binne-in die vlerkpuntvorteks beweeg.
- Die verskil in temperatuur tussen die nat- en droëboltermometer van 'n swaaihigrometer, moet nie 8 °C oorskry nie.
- Stop bespuiting indien die windspoed 15 km/h oorskry.
- Stop bespuiting tydens turbulente, onstabiele en droë toestande gedurende die hitte van die dag.
- Bespuiting onder temperatuur inversie toestande (deur bo of binne die inversie laag te spuit) en/of hoë lugvog toestande (relatiewe humiditeit 80 % en meer) mag tot volgende probleme aanleiding gee:
 - a) Verlaagde effektiwiteit aangesien die druppels as 'n wolk in die lug bly hang en moontlik verdamp (onvoldoende bedekking op teiken).
 - b) Skade aan nie-teiken gewasse of sensitiewe areas as gevolg van wegdrywing van die spuitwolk na nie-teiken area.
- Verseker dat die Lugbespuitingsoperateur presies weet watter lande bespuit moet word.
- Dit is noodsaaklik om 'n versekering van die Lugbespuitingsoperateur te verkry dat aan al die bogenoemde vereistes voldoen sal word en dat data van belang in 'n logboek saamgevat is vir toekomstige verwysing.

TOEDIENINGSHOEVEELHEDE

GEWAS EN TEIKEN	DOSIS	OPMERKINGS
Aartappels Aartappelmot <i>(Phthorimaea operculella)</i> Afrika bolwurm (Amerikaanse bolwurm) <i>(Helicoverpa armigera)</i>	1350–2250 ml/ha 225 ml/100 L water	Lugtoediening: Dien toe in 30 L water. Gebruik die hoë dosis as die spuit tussenpose langer as een week is. Vir aartappelmot begin toediening sodra die plant een maand oud is en herhaal toedienings weekliks gedurende die groeiseisoen. Aartappels moet ten minste twee maal gedurende die groeiseisoen opge-erd word. Vir Amerikaanse bolwurm is een toediening genoeg om een infestasië te beheer. Indien verdere infestasië plaasvind herhaal toediening soos nodig. Grondtoediening: Sorg vir 'n goeie bedekking en benatting van die plant. Dien tot 1000 L spuitmengsel/ha toe.
Angeliere	450 ml/100 L water	Sorg vir goeie bedekking van die hele plant. Herhaal weekliks.



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GEWAS EN TEIKEN	DOSIS	OPMERKINGS
Angelierwurm (<i>Epichoristodes acerbella</i>)		
Graansorghum, koring, lupiene en lusern Afrika bolwurm (Amerikaanse bolwurm) (<i>Helicoverpa armigera</i>)	900 ml/ha 900 ml/ha 225 ml/100 L water	Lugtoediening: Dien in 30 L water toe sodra die plaag opgemerk word. Herhaal indien nodig. Grondtoediening Lae volume. Dien in 100-200 L water toe. Hoë volume: Dien tot 400 L spuitmengsel/ha toe.
Groenbone Afrika bolwurm (Amerikaanse bolwurm) (<i>Helicoverpa armigera</i>)	1125 ml/ha 225 ml/100 L water	Lugtoediening: Dien in 30 L water toe sodra infestasië verskyn. Herhaal soos nodig. Grondtoediening: Sorg vir goeie benatting van plante en dien tot 500 L spuitmengsel/ ha toe.
Hops Afrika bolwurm (Amerikaanse bolwurm) (<i>Helicoverpa armigera</i>)	150 ml/100 L	Dien toe sodra die eerste eiers of larwes opgemerk word, wanneer die hopranke verskyn en op na die draad begin groei. Indien nodig, kan 'n tweede bespuiting gedoen word tydens die ontwikkeling van keëls. Toedienings geskied normaalweg in November/Desember en weer tydens Februarie/Maart. Moenie meer as 2 toedienings per seisoen toedien nie.
Koolgewasse Larwes van die Ruitrusmot (<i>Plutella xylostella</i>) Grootkoolmot (<i>Crocidolomia binotalis</i>) Plantluise (<i>Brevicoryne brassicae</i>) Afrika bolwurm (Amerikaanse bolwurm) (<i>Helicoverpa armigera</i>)	225 ml/100 L water 1125 ml/ha	Dien toe wanneer die wurms vir die eerste keer op die blare verskyn. Gebruik tot 500 L spuitmengsel/ha. Gedurende warm weer en hoë infestasië, verkort die spuitintervalle na tussen 3 tot 5 dae. Sorg dat plante deeglik benat word. Lugtoediening: Dien toe in 30 L water sodra die wurms hulle verskyning maak. Herhaal indien nodig. Grondtoediening: Dien toe in voldoende water om 'n goeie bedekking te verseker.



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GEWAS EN TEIKEN	DOSIS	OPMERKINGS
Mielies Afrika bolwurm (Amerikaanse bolwurm) (<i>Helicoverpa armigera</i>)	900 ml/ha 900 ml/ha 225 ml/100 L water	Lugtoediening: Dien toe in 30 L water sodra ruspes op die baard opgemerk word. METHOMEX® 200 SL sal nie ruspes wat reeds die kop binnegedring het, doodmaak nie. Grondtoediening Lae volume: Dien in 100–200 L water toe. Hoë volume: Dien tot 400 L spuitmengsel/ha toe.
Perskes Valkodling mot (<i>Cryptophlebia leucotreta</i>)	225 ml/100 L water	Vroeë kultivars: Dien twee bespuitings toe en sorg dat die boom deeglik benat word. Dien die eerste bespuiting tot 4 weke voor oes en die tweede 10 dae later. Dien ook 'n geregistreerde produk vir die beheer van vrugtevlieg toe. Laat kultivars: Dien drie bespuitings toe en begin 6 weke voor oes en herhaal met tussenposes van 10 dae. Verseker goeie bedekking van die bome. Dien ook 'n geregistreerde produk toe vir die beheer van vrugtevlieg.
Rose Plantluise (<i>Macrosiphum rosae</i>)	115 ml/100 L water	Dien toe as 'n volle dekbespuiting. Herhaal soos nodig. Dien tot 500 L spuitmengsel/ha toe.
Sitrus Plantluise (<i>Toxoptera citricida</i> <i>Aphis gossypii</i>) Afrika bolwurm (Amerikaanse bolwurm) (<i>Helicoverpa armigera</i>) Witluise (<i>Planococcus citri</i> ; <i>Nipaecoccus vastator</i> ; <i>Paracoccus burnerae</i>) Lemoenvlinder (<i>Papilio spp</i>) Rooidopluis (<i>Aonidiella aurantii</i>)	90 ml/100 L water 90 ml/100 L water 115 ml/100 L water 450 ml plus 3 L ligte smalbestek olie/100 L water	Dien toe as 'n volle dekbespuiting wanneer die plantluise en/of ruspes verskyn. Herhaal indien nodig. Dien toe as 'n volle dekbespuiting met 'n hoëdrukspuitpomp sodra die jong nimfe op die vrugte verskyn. Herhaal indien nodig. Dien toe as 'n ligte dekbespuiting sodra die larwes opgemerk word. Korrektiewe behandeling: Dien toe wanneer 25 tot 40 % van die vrugte besmet is met een of meer lewendige nimfe of volwasse dopluise. WAARSKUWING: Vrugdraende bome: Slegs een behandeling moet op laat kultivars tussen



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GEWAS EN TEIKEN	DOSIS	OPMERKINGS
Sagte groendopluis (<i>Pulvinaria aethiopica</i>)	90 ml plus 500 ml smalbestek minerale olie/100 L water.	Desember en Maart toegedien word. Vroeë kultivars mag slegs in Desember of Januarie en ook nie later as Januarie, bespuit word nie. Behandeling moet met 'n hoëdruk lugperspomp/handapparaat toegedien word. Moet nie met die konvensionele sitrusspuittoestelle toedien nie. Dien toe as 'n volle dekbespuiting met 'n hoëdrukpomp wanneer eerste tekens van infestasië opgemerk word. Moet nie minder as 500 ml minerale olie/100 L water gebruik nie.
Wasdopluis (<i>Gascardia destructor</i>)	115 ml/100 L water	Dien toe as 'n volle dekbespuiting met 'n hoëdrukpomp sodra die jong nimfe van 'n nuwe geslag van die blare na die takkies beweeg. Hierdie behandeling sal nie suksesvol teen volwasse wasdopluis wees nie.



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GEWAS EN TEIKEN	DOSIS	OPMERKINGS
<p>Tabak</p> <p>Blaarmyner (<i>Phthorimaea operculella</i>)</p> <p>Afrika bolwurm (<i>Helicoverpa armigera</i>)</p> <p>Tabakslak (<i>Oulema bilineata</i>)</p> <p>Stinkbesie (<i>Pentatomidae spp</i>)</p>	225 ml/100 L water	<p>Grondtoediening: Dien toe wanneer plaag opgemerk word. Vir blaarmyner spuit weekliks en verseker deeglike benatting van plante. Dien 500 L spuitmengsel/ha toe.</p>
<p>Afrika bolwurm (<i>Helicoverpa armigera</i>)</p> <p>Tabakslak (<i>Oulema bilineata</i>)</p> <p>Stinkbesie (<i>Pentatomidae spp</i>)</p>	1125 ml/ha	<p>Lugtoediening: Dien toe in 30 L water wanneer plaag opgemerk word. Herhaal soos nodig.</p>
<p>Tamaties</p> <p>Afrika bolwurm (Amerikaanse bolwurm) (<i>Helicoverpa armigera</i>)</p> <p>Plantluise (<i>Aphididae spp</i>)</p> <p>Blaarmyner (<i>Phthorimaea operculella</i>)</p> <p>Blaaspootjies (<i>Thrips tabaci</i>)</p>	225 ml/100 L water	<p>Dien toe as 'n volle dekbespuiting met vrugset of vroeër indien nodig en herhaal met tussenposes van 7 tot 10 dae gedurende die groeiseisoen.</p>
<p>Weiding en ander gewasse</p> <p>Kommandowurm (<i>Spodoptera exempta</i>)</p>	225 ml/ha	<p>Grondtoediening: Dien in 400 L water toe sodra die plaag opgemerk word.</p>