

SUPRATHION® 420 EC

Reg. no. L5439 Act/Wet 36 of/van 1947

An emulsifiable concentrate contact insecticide for the control of red scale, soft brown scale, soft green scale, white wax scale and mealybug on citrus; pernicious scale on apples, pears, peaches, cherries, apricots and plums (winter application), Cochineal and Cactoblastis on prickly pear; mealybug on grapes and potato tuber moth on potatoes.

‘n Emulgeerbare konsentraat kontakinsekdoder vir die beheer van rooidopluis, sagtebruin-dopluis, sagtegroendopluis, witwasdopluis en witluis in sitrus; verderflike dopluis in appels, pere, perskes, kersies, appelkose en pruime (winterbespuiting); Cochineal en Cactoblastis op turksvye; witluis in druiwe en aartappelmot in aartappels.

IRAC INSECTICIDE GROUP CODE

1 B

IRAC INSEKODERGRGROEPKODE

ACTIVE INGREDIENT/AKTIEWE BESTANDEEL

methidathion (organophosphate) 420 g/L metidation (organofosfaat)

NET VOLUME/NETTO VOLUME

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REGISTRATION HOLDER/REGISTRASIEHOUER

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**SUPRATHION® is the registered trademark of a company of the ADAMA GROUP.
SUPRATHION® 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: 3017



WARNINGS

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

Citrus

If a total of 100 ml (or less) **SUPRATHION® 420 EC**/100 L water has been applied during the whole growth period of the crop 21 days

If a total of more than 100 ml **SUPRATHION® 420 EC**/100 L of water has been applied during the whole growth period of the crop 56 days

Prickly pears 1 day

Potatoes 6 days

Grapes

If only a single application of 50 ml **SUPRATHION® 420 EC**/100 L of water has been done during the whole growth period of the crop 8 days

If other applications with Methidathion WP were made 56 days

- Handle with extreme care.
- Poisonous by swallowing, inhalation and skin contact.
- Toxic to fish, bees and wildlife.
- Store under lock and key in a cool place.
- 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.**
- **Aerial application:** Notify all inhabitants of the area to be sprayed and issue the necessary warnings. Do not spray over, or allow drift to contaminate water or adjacent areas.

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 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.

PRECAUTIONSF

- Do not inhale spray mist.
- Wear full protective clothing (overalls, rubber boots, gloves and suitable respirator).



- Wash contaminated clothing.
- Wash with soap and water immediately after accidental skin contact.
- Do not eat, drink or smoke whilst mixing or applying this product or before washing hands and face and changing clothing.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator before using with other remedies and dispose of wash water where it will not contaminate crops, grazing, rivers, dams, etc.
- Triple rinse the empty container with a volume of water equal to a minimum of 10 % of the container.
- Discharge the rinsed water with the tank water before the container is disposed of in the prescribed manner.
- Destroy empty container by perforation and flattening and never use for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

Symptoms of human poisoning: Headache, fatigue, faintness, giddiness, excessive sweating, nausea, abdominal pains, vomiting, diarrhoea, tightness of the chest, anxiety, blurred vision, muscle twitching beginning in the eyelids and tongue, small pupils, respiratory distress, convulsions, coma.

First aid treatment: Remove patient from source of poisoning 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 15 minutes. If water diluted mixture has been swallowed, induce vomiting by tickling the back part of the throat. If concentrate has been swallowed, give either a big volume of whipped albumen, starch dilution or Milk of Magnesium, before inducing vomiting. Repeat until vomit fluid is clear and free from smell of poison. Administer artificial respiration or closed chest cardiac 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 5–10 minutes until signs of atropinisation (dry flushed skin and tachycardia) occurs. 2-PAM 50 mg/kg up to a total dose of 1–2 g or 2/3 of this dose of protopam. Repeat oximes if necessary. Do not give morphine.

RESISTANCE WARNING

For the purpose of resistance management **SUPRATHION® 420 EC** is classified as a group code 1B insecticide. Any insect population may contain individuals naturally resistant to **SUPRATHION® 420 EC** and other group code 1B insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly and exclusively in programs. These resistant insects may not be controlled by **SUPRATHION® 420 EC** or any other group code 1B insecticide.

To delay insecticide resistance:

- Avoid exclusive repeated use of insecticides from the same group code. Alternate or tank mix with products from different insecticide group codes.



- Integrate other control methods (chemical, cultural, biological) into insect control programs.
 - No known cross resistance to **SUPRATHION® 420 EC** and other insecticide group codes exist.
- For specific information on resistance management contact the registration holder of this product.

DIRECTIONS FOR USE

Use only as directed.

Compatibility

SUPRATHION® 420 EC is compatible with CIPRON BP (L1603). A physical compatibility test should be carried out prior to application. **SUPRATHION® 420 EC** is not compatible with lime sulphur, Bordeaux mixture, benomyl plus oil, zinc oxide or calcium arsenate.

Mixing instructions

Add the required amount of **SUPRATHION® 420 EC** into an equal volume of water, stirring constantly. Then add this mixture to the total volume of water to be used. Agitate continuously. The spraying apparatus must be thoroughly rinsed with clean water after every day's usage.

APPLICATION

General

Do not spray when temperatures are very high or when plants are wilted or suffer from any physiological abnormality. Do not apply **SUPRATHION® 420 EC** if the plants are wet, or when rain is expected. Do not spray irrigate for two days after application of **SUPRATHION® 420 EC**.

Ground application

SUPRATHION® 420 EC can be applied to potatoes by means of a conventional high volume spraying apparatus fitted with hollow cone nozzles, which deliver medium to fine droplets. The apparatus must be correctly calibrated.

Aerial application

Aerial application of **SUPRATHION® 420 EC** on potatoes may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SANS 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 minimum 30 litres per hectare is recommended.
- Droplet coverage: A minimum of 30 to 40 droplets per cm² must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 280 to 3000 microns is recommended.
- Flying height: Maintain flying height of three metres above the target area at wind speeds of 0–8 km/h and two metres at 8–15 km/h.

- Use only conventional boom fitted with hollow cone nozzles, e.g. D10-45 or equal.
- 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.
- Do not spray during the heat of the day.
 - a) Ensure that the area to be sprayed is accurately marked on 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 TARGET	DOSAGE	REMARKS
<p>Citrus (General information; all citrus treatments.)</p> <p>Apply as a high volume, full cover spray at a pressure of 2800–3500 kPa (400–500 psi). Ensure thorough wetting of the trees, especially the tops and inside of the tree. Do not spray during the flowering stage. To promote biological control later in the season, ant control should be carried out. NOTE: In some areas citrus red scale (<i>Aonidiella aurantii</i>) resistance against organo-phosphate compounds is suspected or has been confirmed. Because SUPRATHION® 420 EC is such a compound, the control achieved with this remedy may vary according to the degree of resistance.</p>		
<p>Red scale and/or mealy bug</p> <p>Will also control soft brown scale, and suppress Brevipalpus mite. A double application will suppress white wax scale.</p>	<p>150 ml/100 L water</p> <p>100 ml/100 L water</p> <p>100 ml/100 L water</p>	<p>Preventive treatment: Before scale infest the fruit</p> <p>Light infestation</p> <p>Warm, low-lying regions: A single cover spray during the period petal drop to 4 weeks after petal drop.</p> <p>Temperate regions: A single cover spray during the period petal drop to 4 weeks after petal drop.</p> <p>Heavy infestation</p> <p>All regions: Two cover sprays. Apply the first application during the period petal drop to 3 weeks after petal drop and the second application 3–4 weeks later.</p>
<p>Red scale</p>	<p>25 ml + 1.4 L narrow range mineral oil/100 L water</p>	<p>Apply a single cover spray during the period 9–12 weeks after 100 % petal drop.</p> <p>Do not spray if the temperature in the shade exceeds 30 °C, or within 35 days before or after a sulphur treatment.</p>



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CROP AND TARGET	DOSAGE	REMARKS
		<p>Fill the spray tank approximately 3/4 with water, add the SUPRATHION® 420 EC and agitate. While agitating add the oil and fill spray tank to the required volume.</p> <p>Do not leave the spray mixture to settle prior to application, and agitate continuously. Do not start spraying if, after mixing, free oil is visible on the surface of the spray mixture.</p> <p>After application, keep orchards under observation and apply a corrective treatment if the scales migrate to the fruit.</p>
<p>NOTE: Applications for the control of thrips and American bollworm should be made in accordance with the official recommendations. Out-of-season fruit, which are infested with red scale, and are still in the trees during the preventive treatment, will have a detrimental effect on the efficacy of the treatment.</p>		
<p>Red scale and suppression of white wax scale</p>	<p>50 ml + 100 ml DIMETHOATE EC/100 L water</p> <p>OR</p> <p>50 ml + 50 ml DIMETHOATE/100 L water</p>	<p>Corrective treatment (fruit infested with scale)</p> <p>Apply as a full cover spray when 25 % of the fruit are infested with 1 or more larvae or adult red scale. This treatment will also suppress white wax scale during application if the nymphs migrate between the leaves and twigs. If DIMETHOATE WP is used, mix the amount of DIMETHOATE with a small amount of clean water to make a smooth cream. Half fill the spray tank with water, and pour the cream through a sieve into the spray tank, and agitate. Add the required amount of SUPRATHION® 420 EC while agitating continuously. Maintain thorough agitation whilst spraying.</p>
<p>Soft brown scale (all regions)</p>	<p>50 ml/100 L water</p>	<p>Apply as a full cover spray when the pest is noticed. A second application may be necessary to control the larvae which may have been protected by crouching underneath the females.</p>
<p>White wax scale (<i>Gascardia sp</i>) (all regions)</p>	<p>150 ml/100 L water</p> <p>150 ml/100 L water</p>	<p>Summer generation: Apply a full cover spray when the nymphs start migrating from the leaves to the twigs.</p> <p>Winter generation: Apply as for the summer generation, but only as a post-harvest application.</p>



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CROP AND TARGET	DOSAGE	REMARKS
Soft green scale (<i>Pulvinaria aethiopica</i>)	150 ml + 0.5 L CIPRON BP/100 L water	Apply as a full cover spray during the period 5–6 weeks after petal drop. The usual precautions regarding applications of oil on citrus should be taken.
Apples, pears, apricots, peaches, plums and cherries Pernicious scale (winter treatment)	75 ml/100 L water	Apply at least twice, and use high volume high-pressure applications. The first application should be made as soon as possible after leaf drop, (prior to pruning), followed by a second application 4 weeks later. In case of a severe infestation, more than two applications might be necessary. These applications will assist with the control of red scale, mealy bug, grey scale and woolly aphid.
Prickly pears Cochineal	50 ml/100 L water	Apply as a cover spray to point of run-off when the pest is noticed. Thoroughly wet the plant.
Cactoblastis	50 ml/100 L water	Apply as a cover spray during the egg-laying period, but before the eggs hatch. The egg batches must be thoroughly wetted. (In the Karoo: apply during the first two weeks in March and the first two weeks of November).
Grapes Mealy bug	50 ml/100 L water	Apply as a cover spray using approximately 6500 L/ha spray mixture. Apply as a once only late corrective treatment supplementary to the standard spraying programme.
Potatoes Potato tuber moth	100 ml/100 L water 500 ml/ha	Ground application: Apply as a full cover spray using at least 500 L/ha of spray mixture when the first moths are sighted. Repeat at 7–10 day intervals. The potatoes should be ridged up at least twice during the season. Aerial application: Apply when the first moths are sighted. Repeat at 7–10 day intervals. The potatoes should be ridged up at least twice during the season.

WAARSKUWINGS

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

Sitrus

Indien 'n totaal van 100 ml (of minder) **SUPRATHION® 420 EC**/100 L water gedurende die hele groeiperiode van die gewas toegedien is 21 dae

Indien 'n totaal van meer as 100 ml **SUPRATHION® 420 EC**/100 L water gedurende die hele groeiperiode van die gewas toegedien is 56 dae

Turskvye 1 dag

Aartappels 6 dae

Druive

Indien net een behandeling van 50 ml **SUPRATHION® 420 EC**/100 L water gedurende die hele groeiperiode van die gewas toegedien is 8 dae

Indien ander toedienings met Metidation WP gemaak was 56 dae

- Hanteer uiters versigtig.
- Giftig wanneer ingesluk, ingeasem of met die vel in kontak kom.
- Giftig vir visse, bye en wild.
- Bêre agter slot en grendel in 'n koel plek.
- Bêre weg van voedsel en voer.
- Hou buite die bereik van kinders, oningeligte persone en diere
- Indien vergiftiging opgedoen word, **kontak 'n geneesheer en toon hierdie etiket aan hom/haar.**
- **Lugtoediening:** Stel al die inwoners in die onmiddellike omgewing, wat bespuit gaan word, in kennis en reik die nodige waarskuwings uit. Moenie oor aangrensende gebiede of water spuit of die spuitnewel toelaat om dit te besoedel 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 aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale 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 plaag 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 die geval van enige onsekerheid.

VOORSORGMAATREËLS

- Moet nie die spuitnewel inasem nie.

- Dra vol beskermende klere (oorpak, rubberstewels, handskoene en 'n geskikte respirator).
- Was besmette klere.
- Was onmiddellik met seep en water na toevallige velkontak.
- Moenie eet, drink of rook, tydens vermenging of toediening van die produk, of voordat hande en gesig gewas en verkleë is nie.
- Vermy oorwaai van die spuitnewel na ander gewasse, weivelde, riviere, damme en areas wat nie behandel word nie.
- Maak toedieningsapparaat skoon voordat dit met ander middels gebruik word en gooi uitspoelwater waar dit nie gewasse, weiveld, riviere, damme ens. besoedel nie.
- Spoel die leë houer 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 op die voorgeskrewe wyse vernietig word.
- Vernietig leë houer deur perforasie en om dit plat te slaan en moet dit nie vir enige ander doel gebruik nie.
- Voorkom die besmetting van voedsel, voer, drinkwater en eetgerei.

Simptome van menslike vergiftiging: Hoofpyn, vermoedheid, swakte, duiseligheid, oormatige sweet, mislikheid, buikpyn, braking, buikloop, beklemde bors, benoudheid, versteurde gesigsvermoë, spiertrekkings, beginnende by die ooglede en tong, verkleinde pupille, asemhalingsnood, stuiptrekkings, bewusteloosheid.

Noodhulpbehandeling: Verwyder die persoon van die bron van vergiftiging, stel hom gerus en hou hom stil. Verwyder besoedelde klere en spoel besmette liggaamsdele met baie seep en koue water af. Moet nie die vel hard vrywe nie. Besmette oë moet vir 15 minute uitgespoel word. Indien die watterverdunde mengsel gedrink is, veroorsaak braking deur die agterste gedeelte van die keel met u vinger te prikkel. Indien die konsentraat gedrink is, gee eers of 'n groot hoeveelheid van geklitste eierwit, styseloplossing of Melk van Magnesia, voordat braking veroorsaak word. Herhaal tot braaksel helder is en nie na gif ruik nie. . Pas kunsmatige asemhaling of geslote hartmassering toe indien nodig. Moet nie direkte mond-tot-mond asemhaling toepas nie. **MOET NOOIT ENIGE IETS PER MOND AAN 'N BEWUSTELOSE PERSOON TOEDIEN NIE.**

Nota aan Geneesheer: Dien Atropien sulfaat binnears (1–4 mg) toe elke 5–10 minute tot die eerste tekens van atropinisasie (droë, gloeiende vel en tachycardea) voorkom. 2-PAM 50 mg/kg tot 'n totale dosis van 1–2 g of Protopam teen 2/3 van hierdie dosis. Herhaal toediening van oksieme indien nodig. Moet geen morfiën toedien nie.

WEERSTANDSWAARSKUWING

Vir die doel van weerstandsbestuur is **SUPRATHION® 420 EC** as 'n groepkode 1B insekdoder geklassifiseer. Enige insekpopulasie mag individue bevat wat 'n natuurlike weerstand teen **SUPRATHION® 420 EC** en ander groepkode 1B insekdoders het. Die weerstandbiedende individue kan uiteindelik die insekpopulasie oorheers as hierdie insekdoders herhaaldelik en eksklusief

gebruik word. Hierdie weerstandbiedende insekte sal waarskynlik nie deur **SUPRATHION® 420 EC** of enige ander groepkode 1B insekdoders beheer word nie.

Om weerstand teen insekdoders te vertraag:

- Vermy die eksklusiewe herhaaldelike gebruik van insekdoders met dieselfde groepkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende insekdodergroepkodes.
- Integreer met ander beheermetodes (chemies, verbouing, biologies) in insekbeheerprogramme
- Geen bekende gevalle van kruisweerstand tussen **SUPRATHION® 420 EC** en ander insekdodergroepkodes is bekend nie.

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

GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui.

Verenigbaarheid

SUPRATHION® 420 EC is verenigbaar met CIPRON BP (L1603). 'n Fisiese verenigbaarheidstoets moet uitgevoer word voor toediening. **SUPRATHION® 420 EC** is nie verenigbaar met sinkoksied kalsiumarsenaat, benomil plus olie, kalkswael of Bordeaux-mengsel nie.

Menginstruksies

Voeg die aanbevole volume **SUPRATHION® 420 EC** in 'n gelyke volume water, meng deeglik en voeg dit daarna by die totale volume water wat benodig word. Roer aanhoudend. Na elke dag se bespuiting moet die spuittoerusting deeglik met skoon water uitgespoel word.

TOEDIENING

Algemeen

Moet nie toedien waneer die temperature baie hoog is of as die plante verwelk is, of aan enige fisiologiese abnormaliteit ly nie. Moenie **SUPRATHION® 420 EC** toedien as plante nat is of as reën ver wag word nie. Na **SUPRATHION® 420 EC** bespuiting moet sprinkelbesproeiing nie vir 2 dae toegedien word nie.

Grondtoediening

SUPRATHION® 420 EC kan op aartappels toegedien word met 'n konvensionele hoë volume spuitapparaat, wat met holkeël spuitpunte toegerus is en wat medium tot fyn druppels lewer. Die apparaat moet korrek gekalibreer wees.

Lugtoediening

SUPRATHION® 420 EC kan op aartappels slegs deur 'n geregistreerde Lugbespuitingsoperateur 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 van spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is daarom belangrik om aan die volgende vereistes te voldoen:

- **Volume:** 'n Spuitvolume van minimum 30 liter per hektaar word aanbeveel.
- **Druppelbedekking:** 'n Minimum van 30–40 druppels per vierkante sentimeter moet op die teikengebied herwin word.
- **Druppelgrootte:** Gebruik 'n druppelspektrum met 'n VMD van 280–300 mikron.
- **Vlieghoogte:** Handhaaf 'n vlieghoogte van drie meter bokant die teikengebied by windsnelhede van 0–8 km/h en twee meter by windsnelhede van 8–15 km/h.
- Gebruik slegs 'n konvensionele spuitbalk wat toegerus is met holkeël spuitpunte, bv. D10-45 of soortgelyk.
- Die verskil tussen die nat- en droë bollesing, soos met 'n swaaihigrometer bepaal, moet nie meer as 8 °C wees nie.
- Staak bespuiting sodra die windsnelheid 15 km/h oorskry.
- Moet nie op die hitte van die dag spuit nie.
- Sorg dat die lande akkuraat gemerk is.
- Dit is noodsaaklik om 'n versekering van die spuitoperateur te verkry dat aan bogenoemde vereistes voldoen sal word.

TOEDIENINGSHOEVEELHEDE

GEWAS EN TEIKEN	DOSIS	OPMERKINGS
<p>Sitrus (Algemene inligting; alle sitrus-behandelings.)</p> <p>Dien toe as 'n hoë volume, volle dekbespuiting teen 'n druk van 2800–3500 kPa (400–500 pvd). Verseker deeglike benatting van die bome, veral die toppe en binnekant van die boom. Moet nie toedien tydens blomstadium nie. Behandelings vir mierbeheer moet verkieslik toegepas word om sodoende biologiese beheer later in die seidoen te bevorder. LET WEL: In sekere gebiede is dit bevestig of word dit vermoed dat die sitrusrooidopluis (<i>Aonidiella aurantii</i>) weerstand teen organofosfaat insekdoders ontwikkel het. Aangesien SUPRATHION® 420 EC so 'n insekdoder is, mag die beheer van rooidopluis wat daarmee verkry word, wissel volgens die graad van weerstand.</p>		
<p>Rooidopluis en/of witluis</p> <p>Sal ook sagtebruindopluis beheer en Brevipalpus-myt onderdruk. Die dubbelbespuiting sal ook witwasdopluis onderdruk.</p>	<p>150 ml/100 L water</p> <p>100 ml/100 L water</p>	<p>Voorkomende behandeling</p> <p>Voordat dopluise die vugte besmet</p> <p>Ligte besmetting</p> <p>Warm, laagliggende streke: Dien 'n enkele dekbespuiting toe gedurende die tydperk blomblaarval tot 4 weke na blomblaarval.</p> <p>Gematigde klimaatstreke: Dien 'n enkele dekbespuiting toe gedurende die tydperk blomblaarval tot 4 weke na blomblaarval.</p>



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GEWAS EN TEIKEN	DOSIS	OPMERKINGS
	100 ml/100 L water	Swaar besmetting Alle streke: Dien twee dekbespuitings toe. Dien die eerste bespuiting toe gedurende die tydperk blomblaarval tot 3 weke na blomblaarval en 'n tweede bespuiting 3–4 weke later.
Rooidopluis	25 ml + 1.4 L smalbestek-mineraal-olie/100 L water	Dien 'n enkele dekbespuiting toe gedurende die tydperk 9–12 weke na 100 % blomblaarval. Moet nie spuit as die skadutemperatuur bo 30 °C is nie en ook nie binne 35 dae voor of na 'n swaelbehandeling nie. Vul die spuitmengsel ongeveer 3/4 met water en voeg dan die SUPRATHION® 420 EC by en roer deeglik. Terwyl aanhoudend geroer word, voeg die olie by en vul die spuitmengsel tot die volume benodig. Moet nie die spuitmengsel laat staan voor gebruik nie en roer dit gedurig terwyl gespuit word. Moet nie begin spuit as daar na vermenging vry olie op die oppervlak van spuitmengsel sigbaar is nie. Hou boorde onder observasie gedurende die tydperk na behandeling en dien 'n korrektiewe behandeling toe indien dopluisbeweging na vrugte plaasvind.
LET WEL: Behandelings vir die beheer van blaaspootjie en Amerikaanse bolwurm moet toegedien word volgens die amptelike aanbevelings. Buite-seisoen vrugte wat met rooidopluis besmet is en tydens voorkomende behandeling aan die bome hang, sal die doeltreffendheid van die behandeling nadelig beïnvloed.		



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GEWAS EN TEIKEN	DOSIS	OPMERKINGS
Rooidopluis en onderdrukking van witwasdopluis	50 ml + 100 ml DIMETOAAT EC/100 L water OF 50 ml + 50 ml DIMETOAAT/100 L water	Korrektiewe behandeling (vrugte besmet met dopluis) Dien toe as 'n volle dekbespuiting wanneer 25 % van die vrugte met een of meer larve of volwasse rooidopluis besmet is. Hierdie behandeling sal ook witwasdopluis onderdruk indien die nimfe tydens bespuiting tussen die blare en takke beweeg. As DIMETOAAT WP gebruik word, meng die benodigde hoeveelheid DIMETOAAT WP met skoon water tot 'n dun pasta. Maak die spuitenk halfvol met water en giet die pasta deur 'n sif in die tenk en roer deeglik. Voeg die benodigde volume SUPRATHION® 420 EC by terwyl aanhoudend geroer word. Roer aanhoudend tydens bespuiting.
Sagtebruindopluis (alle streke)	50 ml/100 L water	Dien 'n volle dekbespuiting toe wanneer die plaag opgemerk word. 'n Tweede bespuiting mag dalk nodig wees om kruipers te beheer wat onder die volwasse wyfies beskut was.
Witwasdopluis (<i>Gascardia sp</i>) (alle streke)	150 ml/100 L water	Somergenerasie: Dien 'n volle dekbespuiting toe sodra die nimfe van die blare na die takke begin beweeg.
	150 ml/100 L water	Wintergenerasie: Dien toe soos vir die somergenerasie, maar slegs as 'n naoesbespuiting.
Sagtegroendopluis (<i>Pulvinaria aethiopica</i>)	150 ml + 0.5 L CIPRON BP/100 L water	Dien toe as 'n volle dekbespuiting gedurende die periode 5–6 weke na blomblaarval. Die normale voorsorgmaatreëls met betrekking tot sitrus-spuitolietoediening moet nagekom word.
Appelkose, appels, pere, kersies, perskes, pruime Verderflike dopluis (winterbehandeling)	75 ml/100 L water	Behandel minstens twee keer en dien hoë volume hoë-druk bespuiting toe. Dien die eerste bespuiting so gou as moontlik na blaarval toe (voordat gesnoei word), gevolg deur 'n tweede bespuiting 4 weke later. Meer as twee bespuitings mag nodig wees indien swaar besmettings voorkom. Hierdie behandelings sal ook bydra tot die beheer van rooidopluis, grysdopluis, witluis en appelbloedluis.



ADAMA

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GEWAS EN TEIKEN	DOSIS	OPMERKINGS
Turksvy Cochineal	50 ml/100 L water	Dien toe as 'n algehele dekbespuiting tot punt van afloop wanneer die plaag teenwoordig is. Benat die plant deeglik.
Cactoblastis	50 ml/100 L water	Dien toe as 'n dekbespuiting gedurende die hoof-eierlêperiode, maar voordat die eiers uitbroei. Die eierstokkies moet deeglik benat word. (In die Karoo: spuit gewoonlik gedurende die eerste 2 weke van Maart en die eerste 2 weke van November).
Druiw Witluis	50 ml/100 L water	Dien toe as 'n dekbespuiting en gebruik ongeveer 6500 L/ha spuitmengsel. Dien toe as 'n eenmalige laat korrektiewe behandeling wat aanvullend is tot die standaard-programme.
Aartappels Aartappelmot	100 ml/100 L water 500 ml/ha	Grondtoediening: Dien toe as 'n dekbespuiting en gebruik 'n spuitvolume van ten minste 500 L/ha sodra die eerste motte voorkom. Herhaal behandeling elke 7–10 dae. Erd aartappels minstens twee maal gedurende die groeiseisoen op. Lugtoediening: Dien toe sodra die eerste motte voorkom. Herhaal behandeling elke 7–10 dae. Erd aartappels minstens twee maal gedurende die groeiseisoen op.