

COMPLETE 350 SC

Reg. No.: L 7959 Act No. 36 of 1947
Namibia: N-AR 1031

A systemic suspension concentrate insecticide for the control of aphids, red scale, thrips, leafminer and psylla on citrus trees, aphids on cucurbits, roses and potatoes and white fly on tomatoes.

IRAC INSECTICIDE GROUP CODE: 4A

ACTIVE INGREDIENT:

Imidachloprid (chloro-nicotinyl) 350 g/l

REGISTRATION HOLDER:

Arysta LifeScience South Africa (PTY) LTD
Co. Reg. No.: 2009/019713/07
7 Sunbury Office Park , Off Douglas Saunders Drive
La Lucia, 4019 • Tel: (031) 514-5600

DISTRIBUTOR:

PROTEK, a division of PE-BEE Agri (PTY) LTD
Co. Reg. No.: 2005/036308/07
P.O. Box 72, Heidelberg, 1438
Tel: (011) 812 9800 or 0861 PROTEK (0861 77 68 35)
www.proteksa.co.za

EMERGENCY NO.: 082 446 8946

UN No.: 2902



WARNINGS: Withholding periods:

Allow the following minimum number of days between the last application and harvest:					
Citrus:	212 days	Potatoes:	120 days	Broccoli:	76 days
Cucurbits:	100 days	Brussel sprouts:	91 days	Tomatoes:	23 days

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 with regard to pre-harvest interval requirements.

- Handle with care.
- Harmful when absorbed through the skin, swallowed or inhaled.
- Toxic to fish and wildlife.
- Store in a cool place away from food and feedstuffs.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry:** Do not enter a treated area within one day after treatment unless protective clothing is worn.
- **In case of poisoning call a physician and make this label available to him/her.**

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; incompatibility 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.
- Wash contaminated clothing daily.
- Wash with soap and water after use or 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.
- Triple rinse the empty container in the following manner: Invert the empty container over the spray tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter 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 tank before disposing of the container in the prescribed manner.
- Dispose of the empty container in a safe manner, according to local regulations and do not re-use for any other purpose.
- Prevent contamination of food, feedstuffs, drinking water and eating utensils.

SYMPTOMS OF HUMAN POISONING:

Apathetic state, depressed muscular tone, respiratory disturbances and trembling and muscular cramps in severe cases of poisoning.

FIRST AID TREATMENT:

Inhalation: Remove patient from source of poisoning to a cool and well ventilated area and keep him quiet and reassured.

Skin contact: Removed contaminated clothing and rinse contaminated body area thoroughly with plenty of soap and cold water. Do not rub skin.

Eye contact: Flush contamination out of eyes with clean water for 15 minutes or longer.

Ingestion: If swallowed induce vomiting by tickling the back part of the throat. Repeat until vomit is clear and free from smell of poison. Administer 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. Immediately take the patient to the nearest physician.

NOTE TO PHYSICIAN:

Treat symptomatically. Check blood pressure and pulse rate frequently as brachycardia and hypotonia are possible. Provide supportive measures for respiratory and cardiac action. Give respiration if signs of paralysis appear. Additional measures involve the elimination of the substance from the body or acceleration of its excretion e.g. gastrolavage and saline laxatives.

RESISTANCE WARNING:

For resistance management **COMPLETE 350 SC** is a group code 4A insecticide. Any insect population may contain individuals naturally resistant to **COMPLETE 350 SC** and other group code 4A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **COMPLETE 350 SC** or any other group code 4A 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.
- Do not apply **COMPLETE 350 SC** or any product that belongs to the same chemical group more than once per year on citrus (bearing, non-bearing and nursery trees).
- Integrate other control methods (chemical, cultural, biological) into insect control programs.

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

DIRECTIONS FOR USE: Use only as indicated.

Compatibility:

- The of **COMPLETE 350 SC** with other agrochemicals is unknown.
- It is therefore recommended to do a compatibility test on a small scale before using **COMPLETE 350 SC** in a tank mixture with other agrochemicals.

Mixing Instructions:

- Pour the required quantity of **COMPLETE 350 SC** into the water while agitating.
- Do not allow the **COMPLETE 350 SC** mixture to stand any length of time before using.
- Do not use brackish water.

APPLICATION DOSAGE RATES:

CROP / PEST:	DOSAGE RATE:	REMARKS:
CITRUS Bearing Trees not older than 15 years (excluding Kumquat) Aphids (<i>Toxoptera citricidus</i>), Red scale (<i>Aonidiella aurantii</i>) & Psylla (<i>Trioza erythrae</i>)	9 ml / tree	Soil drench: Apply during August/September at green tip to white bud growth stage of the trees. Dilute in 1 litre water and apply around the base of the trunk with a jug. Irrigate within 24 hours after application. When used on lemon trees apply only after removal of all fruit (including immature fruit). With lemons control can only be expected on the fruit set after application.
Aphids (<i>Toxoptera citricidus</i>)	6 ml / tree	
Non-bearing Trees Aphids (<i>Toxoptera citricidus</i>)	6 ml / tree	Soil drench: Apply during August/September. Dilute in 1 litre water and apply around the base of the trunk with a jug. Irrigate within 24 hours after application.
Leaf miner (<i>Phyllocnistis citrella</i>)	8 ml / tree	
Nursery Trees Aphids (<i>Toxoptera citricidus</i>) & Leaf miner (<i>Phyllocnistis citrella</i>)	1,5 ml / seedling	Soil drench: Dilute in 200 ml water and apply 2 days after transplanting of the grafted root stock seedlings into plastic bags. Ensure that the COMPLETE 350 SC application does not take place prior to grafting.
Thrip (<i>Scirtothrips aurantii</i>)	3,0 ml / seedling	

NOTES:

- Trees should be healthy, stress free and regularly irrigated before and after application.
- Do not apply the soil drench treatment through the irrigation system.
- Do not apply to trees immediately after pruning.

CUCURBITS Aphids (various spp.)	20 ml /10 l water	Apply 30 ml of the mixture per planting hole during planting or immediately after planting. Should aphids appear later in the season, apply additional sprays with suitable registered products.
ROSES Aphids (<i>Macrosiphum rosae</i> & <i>Metopolophium porosum</i>)	0,5 ml /plant (for 4 to 6 weeks control)	Soil drench: Apply as a soil drench in spring or at the signs of infestation. Mix 5 ml COMPLETE 350 SC with 10 litres water and apply 1 litre of this mixture on the soil around the base of the stem of each plant. Irrigate within 24 hours after application.
	1,0 ml /plant (for season-long control)	Soil drench: Apply as a soil drench in spring. Mix 10 ml COMPLETE 350 SC with 10 litres water and apply 1 litre of this mixture on the soil around the base of the stem of each plant. Irrigate within 24 hours after application. Follow-up applications may be necessary, depending on the amount of rainfall or irrigation and soil type.
POTATOES Aphids (<i>Myzus persicae</i>)	4,5 ml / 100 m row length	Spray the COMPLETE 350 SC mixture in the planting furrow from ridge tip to ridge tip before planting of the tubers. Use a 8006 or 8008 flat fan nozzle and apply in 3 to 4 litres water per 100 metre furrow length. The application may also be made after planting but before emergence over the row. Irrigate immediately afterwards with ± 15 mm water. COMPLETE 350 SC may also be used in a tank mixture with fenamiphos 400 EC or pencyeuron 250 SC or with both for the simultaneous control of aphids, <i>Rhizoctonia</i> and nematodes.
	3,0 ml / 100 m row length	When COMPLETE 350 SC is mixed with fenamiphos 400 EC, the COMPLETE 350 SC dosage can be reduced to 3,0 ml per 100 metres row length. Warning: When the above-mentioned mixtures are applied, the application should be in such a manner that the tubers are not covered by the spray mixture containing COMPLETE 350 SC . Apply in open furrow before planting of the tubers.
TOMATOES Whitefly nymph (<i>Trialeurodes vaporariorum</i>) For use on tomatoes in enclosed areas only, e.g. glass houses, tunnels, etc	0,05 ml / plant	Soil drench: Apply as a soil drench, 1 day after transplanting. Mix 10 ml COMPLETE 350 SC with 20 litres water and apply 100 ml of this mixture to the soil around the base of the stem of each plant. Irrigate within 24 hours after application. Repeat application 28 days later.

COMPLETE 350 SC

Reg. Nr.: L 7959 Act NR. 36 van 1947
Namibia: N-AR 1031

'n Systemiese suspensie konsentraat insekdoder vir die beheer van plantluise, rooidopluise, blaaspootjie, blaarmyner en bladvlooi op sitrus bome, plantluise op pampoengewasse, rose en aartappels en witvlieg op tamaties.

IRAC INSEKDODER GROEP: 4A

AKTIEWE BESTANDEEL:

Imidakloprid (chloro-nikotiniel) 350 g/l

REGISTRASIEHOUER:

Arysta LifeScience South Africa (EDMS) BPK
Mpy. Reg. Nr.: 2009/019713/07
7 Sunbury Office Park , Douglas Saunders Rylaan
La Lucia, 4019 • Tel: (031) 514-5600

VERSPREIDER:

PROTEK, 'n divisie van **PE-BEE Agri (PTY) LTD**
Mpy. Reg. Nr: 2005/036308/07
Posbus 72, Heidelberg, 1438
Tel: (011) 812 9800 of 0861 PROTEK (0861 77 68 35)
www.proteksa.co.za

NOOD NR.: 082 446 8946

UN Nr.: 2902



WAARSKUWINGS: Onthoudingsperiodes:

Laat die volgende minimum aantal dae toe tussen laaste toediening en oes:					
Sitrus:	212 dae	Aartappels:	120 dae	Broccoli:	76 dae
Pampoengewasse:	100 dae	Brussels spruitjies:	91 dae	Tamaties:	23 dae

NOTA: 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, deur die vel opgeneem of deur die mond ingeneem word.
- Giftig vir vis en wild.
- Bewaar in 'n koel plek, weg van voedsel en voer.
- Hou buite bereik van kinders, oningeligte persone en diere.
- **Herbetreding:** Moet nie behandelde gebied betree vir een dag na die bespuiting nie, tensy beskermende oorklere gedra word.
- **In die geval van vergiftiging ontbied 'n geneesheer en toon etiket aan hom/haar.**

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 gronds-, klimaats- en bergingstoestande; kwaliteit van verdunningswater; onverenigbaarheid 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.

VOORSORGMATREËLS:

- Verhoed inaseming van dampe.
- Was besoedelde klere daaglik.
- Was met seep en water na gebruik of toevallige velkontak.
- Moenie eet, drink of rook tydens vermenging, toediening of voordat hande en gesig gewas is nie.
- Maak spuitapparaat skoon na gebruik, raak ontslae van uitspoelwater waar dit nie gewasse, weiding, riviere en damme kan besoedel nie.
- Spoel die leë houer driekeer as volg uit: Keer die leë houer om oor die spuittenk en dreineer vir minstens 30 sekondes na die vloei tot 'n drup verminder het. Daarna spoel die leë houer drie keer uit met 'n volume water gelyk aan ten minste een tiende van die houer en voeg die uitspoelwater by die inhoud van die spuittenk voordat van die houer op die voorgeskrewe metode ontslae gemaak word.
- Doen weg met die leë houer op 'n veilige manier, volgens plaaslike regulasies en moet nie hergebruik vir enige ander doel nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

SIMPTOME VAN VERGIFTIGING:

Apatiese toestand, verlaagde spierfunksie, asemhalingsversteurings, bewing, spierkrampe in gevalle van ernstige vergiftiging.

NOODHULPBEHANDELING:

Inaseming: Verwyder die pasiënt van die oorsaak van vergiftiging na 'n koel en goed geventileerde omgewing en stel hom gerus en hou hom stil.
Velkontak: Verwyder besoedelde klere en spoel die besmette liggaamsdele deeglik met baie seep en koue water af. Moet nie die vel hard vrywe nie.
Oogkontak: Besmette oë moet vir 15 minute of langer met skoon water uitgespoel word.

Ingesluk: Indien ingesluk is, veroorsaak braking deur die agterste gedeelte van die keel te prikkel. Herhaal totdat braaksel helder is en nie langer na gif ruik nie. Pas kunsmatige asemhaling of geslote hartmassering toe indien nodig. Moet nie direkte mond-tot-mond asemhaling toepas nie. Moet nooit iets per mond aan 'n bewustelose persoon toedien nie. Neem die pasiënt onmiddellik na die naaste geneesheer.

NOTA AAN GENEESHEER:

Behandel simptome. Monitor bloeddruk en polsslag gereeld, aangesien hartvertraging en hipotonia kan voorkom. Dien ondersteunende maatreëls toe om asemhaling- en hartfunksie te ondersteun. Gee kunsmatige asemhaling indien verlamming intree. Addisionele maatreëls soos maagspoeling en soutpurgasie om die gif uit die liggaam te verwyder kan gebruik word.

WEERSTANDSWAARSKUWING:

COMPLETE 350 SC is 'n groepkode 4A insekdoder. Enige populasie van 'n insek mag individue insluit wat 'n natuurlike weerstand teen **COMPLETE 350 SC** of enige ander groepkode 4A insekdoder het. Indien hierdie insekdoders herhaaldelik aangewend word kan die weerstandbiedende individue uiteindelik die insekpopulasie oorheers. Hierdie weerstandbiedende insekte sal waarskynlik nie deur **COMPLETE 350 SC** of enige ander groepkode 4A insekdoder beheer word nie.

- Om weerstand teen insekdoders te vertraag:
- Vermoë die eksklusiewe herhaaldelike gebruik van insekdoders met dieselfde groepkode. Wissel af met, of gebruik tenkingsels van produkte in verskillende insekdodergroep kodes.
 - Moet nie **COMPLETE 350 SC** of enige ander produk wat in dieselfde chemiese groep behoort meer as een keer per jaar op sitrus (draende, nie-draende en kwekery bome) toedien nie.
 - Integreer ander beheermaatreëls (chemies, verbouing, biologies) in insekbeheer programme.

Vir inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.

Verenigbaarheid:

- Die verenigbaarheid van **COMPLETE 350 SC** met ander landbouchemikalieë is onbekend.
- Dit word dus aanbeveel om verenigbaarheid op 'n klein skaal te toets voor dit in 'n tenkingsel met ander landbouchemikalieë gebruik word.

Menginstruksies:

- Voeg die nodige hoeveelheid **COMPLETE 350 SC** by die water terwyl dit geroer word.
- Moet nie die **COMPLETE 350 SC** mengsel vir 'n tyd lank laat staan voor gebruik nie.
- Moet nie brakwater gebruik nie.

TOEDIENINGSHOEVEELHEDE;

GEWAS / PLAAG	DOSIS	OPMERKINGS
SITRUS Draende Bome nie ouer as 15 jaar nie (uitsluitend Koemkwat) Plantluise (<i>Toxoptera citricidus</i>), Rooidopluise (<i>Aonidiella aurantii</i>) & Bladvlooi (<i>Trioza erythrae</i>)	9 ml / boom	Gronddeurdrinking: Dien toe in Augustus/September tydens groen- tot witblomknopgroei stadium van die bome. Verdun met 1 liter skoon water en dien toe rondom die basis van die stam met 'n beker. Besproei binne 24 uur na toediening. Wanneer op suurlemoene gebruik word moet alle vrugte (selfs klein onvolwasse vrugte) eers verwyder word. Op suurlemoene kan beheer slegs verwag word op die eerste vrugset na toediening.
Plantluise (<i>Toxoptera citricidus</i>)	6 ml / boom	
Nie-draende Bome Plantluise (<i>Toxoptera citricidus</i>)	6 ml / boom	Gronddeurdrinking: Dien toe gedurende Augustus/September. Verdun met 1 liter water en dien toe rondom die basis van die stam met 'n beker. Besproei binne 24 uur na toediening.
Blaarmyner (<i>Phyllocnistis citrella</i>)	8 ml / boom	
Kwekery Boompies Plantluise (<i>Toxoptera citricidus</i>) & Blaarmyner (<i>Phyllocnistis citrella</i>)	1,5 ml / saailing	Gronddeurdrinking: Verdun met 200 ml water en dien toe 2 dae na uitplanting van die alreeds geënte wortelstoksaailinge in plastieksakke. Die COMPLETE 350 SC behandeling moet nie voor enting plaasvind nie.
Blaaspootjie (<i>Scirtothrips aurantii</i>)	3,0 ml / saailing	

NOTAS:

- Bome moet gesond en stremmingsvry wees en gereeld besproei word voor en na toediening.
- Moet nie die gronddeurdrinkingbehandeling toedien deur die besproeiingssisteme nie.
- Moet nie toedien op pas gesnoeië bome nie.

PAMPOENGWASSE Plantluise (verskeie spp.)	20 ml / 10 water	Dien 30 ml van die mengsel toe per plantgat tydens plant of onmiddellik na plant. Indien plantluise later in die seisoen voorkom, dien addisionele bespuitings toe met geskikte geregistreerde produkte.
ROSE Plantluise (<i>Macrosiphum rosae</i> & <i>Metopolophium porosum</i>)	0,5 ml / plant (vir 4 tot 6 weke beheer)	Gronddeurdrinking: Dien toe as 'n gronddeurdrinking in die lente of by die eerste tekens van infestasië. Meng 5 ml COMPLETE 350 SC met 10 liter water en dien 1 liter van hierdie mengsel toe op die grond om die basis van die stam van elke plant. Besproei binne 24 uur na toediening.
	1,0 ml / plant (vir seisoenlange beheer)	Gronddeurdrinking: Dien toe as 'n gronddeurdrinking in die lente. Meng 10 ml COMPLETE 350 SC met 10 liter water en dien 1 liter van hierdie mengsel toe op die grond om die basis van die stam van elke plant. Besproei binne 24 uur na toediening. Opvolgtoedienings mag nodig wees afhangende van die hoeveelheid reënval of besproeiing en grond tipe.
AARTAPPELS Plantluise (<i>Myzus persicae</i>)	4,5 ml / 100 m ry lengte	Spuit die COMPLETE 350 SC mengsel in die plantvoor van rif tot rif voordat die moere geplant word. Gebruik 'n 8006 of 8008 platwaaiër spuitneus en dien in 3 tot 4 liter water per 100 meter ry lengte toe. Die toediening kan ook oor die ry toegedien word na plant, maar voor opkoms en operd. Besproei onmiddellik daarna met ± 15 mm water. COMPLETE 350 SC mag ook in 'n tenkingsel met fenamiphos 400 EC of pencycuron 250 SC of met beide toegedien word vir gelyktydige beheer van plantluise, <i>Rhizoctonia</i> en aalwurms.
	3,0 ml / 100 m ry lengte	Wanneer COMPLETE 350 SC gemeng word met fenamiphos 400 EC, kan die COMPLETE 350 SC dosis verminder word na 3,0 ml per 100 meter ry. Waarskuwing: Wanneer bogenoemde mengsels toegedien word, moet toediening op so 'n wyse geskied dat die aartappelmoere nie met die spuitmengsel wat COMPLETE 350 SC bevat, benat word nie. Dien dus toe in die plantvoor voor die lant van die moere.
TAMATIES Witvlieg nimf (<i>Trialeurodes vaporariorum</i>) Slegs vir gebruik op tamaties in bedekte areas bv. glashuise, tunnels, ens.	0,05 ml / plant	Gronddeurdrinking: Dien toe as 'n gronddeurdrinking, 1 dag na uitplanting. Meng 10 ml COMPLETE 350 SC met 20 liter water en dien 100 ml van hierdie mengsel toe op die grond om die basis van die stam van elke plant. Besproei binne 24 uur na toediening. Herhaal toediening 28 dae later.