

# CYRUS WG

**BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY**

**VERWYS NA BESONDERHEDE SOOS OP HOUER / SAK GEDRUK**


GEBRUIKSAANWYSINGS INGESLUIT

Lotnummer

Datum van vervaardiging

## CYRUS WG

INSECTICIDE



Reg. No. L9483, Act/Wet No. 36 of/van 1947

1: 24/02/2014

**A systemic water dispersible granule insecticide for the control of the agricultural pests on the crops as listed.**

**'n Sistemiese waterdispergeerbare korrelinsekdoder vir die beheer van landbouplae op gewasse soos aangedui.**

IRAC INSECTICIDE GROUP CODE	4A	IRAC INSEKDODERGROEPKODE
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ACTIVE INGREDIENT / AKTIEWE BESTANDEEL		
Imidacloprid (chloro-nicotinyl)	700 g/kg	Imidaklopried (chloro-nikotiniel)





Registration Holder / Registrasiehouer  
**Meridian Agrochemical Company (Pty.) Ltd. / (Edms.) Bpk.**  
 Reg. No. 2000/010819/07  
 P.O. Box / Posbus 436, Modderfontein, 1645, South Africa / Suid-Afrika

1kg







UN Number: 2588





**HARMFUL / SKADELIK**

## WARNINGS

Withholding period

Allow the following minimum number of days between application and harvest:

Citrus.....	212
Potatoes.....	120

**IMPORTANT:** The recommended withholding period between last application and harvest meets local residue requirements, but may not meet export requirements.

- Handle with care.
- Poisonous when absorbed through the skin or if swallowed or if inhaled.
- Toxic to fish and wildlife.
- Store in a cool, dry place.
- Store away from food, feed, fertilizer and other agricultural products.
- Keep out of reach of children, uninformed persons and animals.
- Do not use this product in any way contrary to the directions on this label.
- **CYRUS WG** has been tested on the most important commercial cultivars without any phytotoxic effects. More susceptible cultivars may be released in future which need to be tested; for this apply **CYRUS WG** to a limited test area before commercial applications are made.
- **Re-entry:** Do not enter treated area within 1 day after treatment unless wearing protective clothing.
- **In case of poisoning call a doctor 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 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 pest 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 man or animal, 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

- Do not inhale dust.
- Avoid skin and eye contact by wearing full protective clothing (protective gloves, boots and face shield) when mixing and applying the product.
- Wash with soap and water immediately after use and accidental skin contact.
- Wash contaminated clothing immediately after use.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face and changing clothing.
- Avoid contamination of other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Containers and packages must be completely emptied before disposal. Shake out contents thoroughly into the mixing tank before destroying the empty container
- Destroy the empty container by perforation and flattening and dispose of it in a safe manner.
- **Never** re-use the empty container for any other purpose.

## SYMPTOMS OF HUMAN POISONING

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

## FIRST AID TREATMENT

**Skin contact:** Remove patient from source of poisoning to a well ventilated area and keep him quiet and reassured.

Remove contaminated clothing as well as shoes and leather goods. Wash body thoroughly with a non-abrasive soap and lots of water. DO not rub the skin. Persons providing first aid must wear gloves to avoid self-contamination. Seek medical advice if necessary.

Eye contact: Flush eyes immediately with large amounts of clean water for at least 15 minutes. Occasionally lift the upper and lower lids. If eye irritation persists, get medical attention.

**Inhalation:** Remove patient from source of poisoning to a well ventilated area and loosen clothing around the neck. Perform artificial respiration and administer oxygen if necessary. Keep patient warm and at rest. **Seek medical advice immediately.**

**Ingestion:**

Have person sip a glass of water if able to swallow. **DO NOT** induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave the victim unattended. Vomit should not get into the respiratory tract. **Seek medical assistance immediately.**

**NOTE TO PHYSICIAN**

Elementary aid, decontamination and symptomatic treatment is indicated. Monitor respiratory functions. Gastric lavage is not normally required. If a significant amount (i.e. more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate. There is no known antidote. The active ingredient belongs to the chloronicotinyl chemical group. The symptoms are similar to those caused by nicotine poisoning.

**MODE OF ACTION**

**CYRUS WG** is a systemic insecticide with translaminar activity and with contact and stomach action. It is readily taken up by the plant and further distributed acropetally, with good root-systemic action.

**RESISTANCE WARNING**

For resistance management, **CYRUS WG** is a group code 4A insecticide. Any insect population may contain individuals naturally resistant to **CYRUS WG** 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 **CYRUS WG** or any other group code 4A insecticide.

**To delay insecticide resistance:**

- Avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate or tank mix with registered products from different insecticide group codes. Do not apply **CYRUS WG** or any other 4A product more than once per season in citrus (bearing, non-bearing and nursery).
- Integrate other control methods (chemical, cultural, biological) into insect control programmes.

Since the occurrence of resistance cannot be forecast, users are advised to keep treated crops under close observation. If treatment is not effective following the use of **CYRUS WG** as recommended, a resistant population may be present. If a resistant population is positively identified, consideration should be given to prompt use of an insecticide with a different mode of action for which there is no record of resistance to the relevant pest. For specific information on resistance management, contact the registration holder of this product.

**DIRECTIONS FOR USE**

**Use only as directed.**

**MIXING INSTRUCTIONS**

Half-fill the spray tank with suitable water. Add the required quantity of **CYRUS WG** to the water in the tank while agitating. Fill the spray tank to the desired volume with water. **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight.** Do not use brackish water. Application equipment must be thoroughly flushed out at the end of the spraying operation.

## RECOMMENDATIONS

CROP/PEST	APPLICATION RATE	REMARKS
<p><b>Citrus</b> (Excluding Kumquat)</p> <p>Bearing trees up to 15 years old. (For trees older than 25 years please refer to Notes below)</p>		Apply during August / September at the green tip to the white bud growth stage of the trees. Mix the required quantity of <b>CYRUS WG</b> in 1 ℓ of water and apply around the base of the trunk using a jug. Irrigate within 24 hours following application. When <b>CYRUS WG</b> is applied on lemon trees, apply only after removal of all the fruit (including immature fruit). In lemons, control can only be expected on the first fruitset after application.
<p><b>Aphid</b> (<i>Toxoptera citricidus</i>), <b>red scale</b> (<i>Aonidiella aurantii</i>),</p>	<p><b>Soil drench</b> 4.5 g / tree</p>	Apply during August/September in 1 ℓ of water and around the base of the trunk using a jug. Irrigate within 24 hours following application.
<p><b>Aphid</b> (<i>Toxoptera citricidus</i>)</p>	3 g / tree	
<p><b>Non-bearing trees:</b> <b>Aphid</b> (<i>Toxoptera citricidus</i>)</p>	<p><b>Soil drench</b> 3 g / tree</p>	Apply <b>CYRUS WG</b> in 200 ml of water 2 days after transplanting of the grafted rootstock seedlings into plastic bags. Ensure that the <b>CYRUS WG</b> application does not take place prior to grafting.
<p><b>Nursery Trees</b> <b>Aphid</b> (<i>Toxoptera citricidus</i>)</p>	<p><b>Soil drench</b> 0.75 g / seedling</p>	

## NOTES

- Trees should be healthy, stress-free and regularly irrigated before and following application.
- Do not apply to trees immediately after pruning.
- **Trees older than 15 years:** When **CYRUS WG** is applied to trees older than 15 years, the pest control can be inconsistent. Some pest damage must therefore be expected and crop losses may occur.
- **Application through drip – or micro-irrigation systems:** When **CYRUS WG** is applied through irrigation systems, pest control can be inconsistent. Some pest damage must therefore be expected and crop losses may occur.

CROP/PEST	APPLICATION RATE	REMARKS
<p><b>Apples</b></p> <p>Woolly aphid (<i>Eriosoma lanigerum</i>)</p>	<p><b>Soil application</b></p> <p><b>Trees up to 6 years old:</b> 0.5 g/tree</p> <p><b>Trees 7-15 years old:</b> 1.5 g/tree</p>	<p><b>Non-flowering trees:</b> apply in September. <b>Flowering trees:</b> Apply within three weeks after flowering.</p> <p>Apply within three weeks after flowering.</p>

## NOTES

- Trees should not be older than 15 years.
- Trees should be healthy, stress-free and regularly irrigated before and following application. Any factor which may cause stress to the tree will adversely affect the uptake as well as the distribution of the active ingredient in the tree.
- Do not the soil drench treatment through the irrigation systems.

CROP/PEST	APPLICATION RATE	REMARKS
<p><b><u>Potatoes</u></b></p> <p>Woolly aphid (<i>Myzus persicae</i>)</p>	<p>2.25 g / 100 m row length</p>	<p>Spray the <b>CYRUS WG</b> mixture into the planting furrow from ridge-tip to ridge-tip <b>before</b> planting of the tubers. Use a 8006 or 8008 flat fan nozzle to apply 3 to 4 l of water / 100 m furrow length. The application can also be made, after planting but before emergence over the row. Immediately irrigate after application with <math>\pm</math> 15 mm water.</p>

## WAARSKUWINGS

### Onthoudingsperiode

#### Laat die volgende minimum dae toe tussen toediening en oes:

Sitrus.....	212
Aartappels.....	120

**BELANGRIK:** Die aanbevole onthoudingsperiode tussen die laaste toediening en oes voldoen slegs aan die plaaslike residu vereistes, maar mag nie aan die uitvoervereistes voldoen nie.

- Hanteer versigtig.
- Giftig indien geabsorbeer deur die vel, ofingesluk of ingeasem word.
- Giftig vir visse en wildlewe.
- Stoor in 'n koel, droë plek.
- Stoor weg van enige voedsel, voere, kunsmis en ander landbouprodukte.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Moet nie die produk gebruik op enige manier in teenstelling met die etiket nie.
- **CYRUS WG** is getoets op die mees belangrikste kommersiële kultivars sonder enige fitotoksiteit. Meer vatbare kultivars mag in die toekoms beskikbaar gestel word wat uit die aard van die saak getoets moet word. Vir hierdie doeleinde moet **CYRUS WG** slegs op 'n beperkte area getoets word voordat enige kommersiële toedienings gemaak word.
- **Her-betreding:** Moet nie die behandelde area 1 dag na behandeling betree nie behalwe as beskermde klere gedra word.
- **In die geval van vergiftiging moet 'n dokter ontbied word en hierdie etiket moet vir hom/haar aangebied 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. Die werking en doeltreffendheid daarvan kan beïnvloed word deur faktore soos abnormale 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 onkruid teen die betrokke middel sowel as die tyd, metode en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei en die omgewing, of nadelige invloed op mens of dier, 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.**

## VOORSORGSMATREËLS

- Moet nie die stof inasem nie.
- Verhoed vel- en oogkontak deur volledige beskermde klere te dra (beskermde handskoene, boots, en gesigskerm) wanneer die produk vermeng- en toegedien word.
- Was met seep en water onmiddellik na gebruik asook met toevallige vel kontak.
- Was gekontamineerde klere onmiddellik na gebruik.
- Moet nie eet, drink of rook terwyl die toediening van die produk plaasvind nie of voordat hande en gesig gewas word, of klere verander word nie.
- Verhoed die kontaminasie van gewasse, weidings, riviere, damme en areas wat nie onder behandeling is nie.
- Maak die toedieningsapparaat na gebruik skoon. Beskik oor die spoelwater waar dit nie gewasse, weidings, riviere, damme en boorgate sal kontamineer nie.
- Verhoed die kontaminasie van voedsel, voere, drinkwater en eetgerei.
- Die houers/ verpakings moet deeglik uitgespoel word, drie keer, voordat die houers vernietig word. Maak seker dat die inhoud ten volle in die spuitenk uitgeloopt het en daarna drie keer uitgespoel word voordat die houers vernietig word.
- Vernietig die houer deur dit te perforeer en plat te trap en daarna te beskik op 'n veilige manier
- **Moet nooit** die houer vir enige ander doelwit gebruik nie.

## SIMPTOME VAN MENSLIKE VERGIFTING

Apatiese toestand, verswakte spierfunksies, asemhalingsversteurings, bewing, spierkrampe en uiterste gevalle van vergiftiging.

#### **NOODHULP- EN BEHANDELING**

**Velkontak:** Verwyder die pasiënt van die punt van vergiftiging na 'n goed geventileerde area en hou die persoon kalm en gerus.

Verwyder die besmette klere, skoene en ander leer bykomstighede. Was die liggaam deeglik met 'n gladde seep en genoeg water. Die persone wat eerste hulp aanbied moet handskoene dra om self besmetting te verhoed. Versoek mediese hulp indien nodig.

**Oogkontak:** Spoel die oë met groot volumes skoon water vir ten minste 15 minute. Lig die boonste ooglid en laer ooglede soms tydens spoeling. Indien oog irritasie voorduur, kontak die geneesheer.

**Inaseming:** Verwyder die pasiënt van die bron van vergiftiging na 'n goed geventileerde area en maak die klere los rondom die pasiënt se nek. Voorsien kunsmatige asemhaling en voorsien suurstof indien nodig. Hou die pasiënt warm en so rustig as moontlik. **Verkry mediese hulp indien moontlik.**

#### **Inname:**

Indien die persoon kan sluk, gee aan hom 'n glas water om te sluk. **MOET NIE** braking veroorsaak indien dit nie deur die geneesheer of gifsentrum versoek is nie. Moet niks per mond aan 'n bewustelose persoon gee nie. Braking moet nie in die lugweë kom nie. Moet nie die slagoffer sonder toesig laat nie. **Verkry onmiddellike mediese bystand.**

Braking moet nie in die lugweë kom nie. **Verkry onmiddellike mediese bystand.**

#### **NOTA AAN DIE GENEESHEER**

Basiese noodhulp, dekontaminasie en simptomatiese behandeling word aangedui. Moniteer respiratoriese funksies. Maagspoeling is normaalweg nie nodig nie. Indien 'n voldoende volume (i.e. meer as 'n mondvol) ingeneem is, moet mediese houtskool en sodiumsulfaat gebruik word. Daar is geen bekende teenmiddel nie. Die aktiewe bestanddeel behoort aan die chloro-nikotiniel groep. Die simptome is soortgelyk wat deur nikotien vergiftiging veroorsaak word.

#### **METODE VAN WERKING**

**CYRUS WG** is 'n sistemiese insekdoder met translaminêre aktiwiteit tesame met kontak- en maagaksie. Dit word geredelik deur die plant oopgeneem en voorts akropetaal versprei, met 'n goeie wortel-sistemiese aksie

#### **WEERSTANDSWAARSKUWING**

Vir weerstandsbestuur, word **CYRUS WG** as 'n groeppode 4A insekdoder aangedui. Enige insekpopulasie mag individue bevat wat natuurlik weerstandbiedend is teen **CYRUS WG** en ander groeppode 4A insekdoders. Die weerstandbiedende individue kan uiteindelik die insekpopulasie domineer indien hierdie insekdoders herhaaldelik gebruik word. Hierdie weerstandbiedende insekte mag nie deur **CYRUS WG** of enige ander groeppode 4A insekdoder beheer word nie.

#### **Om insekweerstand te vertraag:**

- Verhoed die eksklusiewe herhaalde gebruik van insekdoders van dieselfde insekdoder groeppode. Wissel af of voeg geregistreerde produkte in die tenkmengsel van verskillende insekdoder groeppodes. Moet nie **CYRUS WG** of enige ander 4A produk meer as een keer per seisoen in sitrus toedien nie. (draende, nie draende en kwekery).
- Integreer ander beheermetodes (chemise, meganiese of biologies) in die insekbeheerprogramme.

Vanweë die feit dat weerstand nie voorspel kan word nie, word die gebruikers van die produk versoek om die behandelde gewasse onder naby observasie te hou. Indien die behandelings nie effektief is nadat **CYRUS WG** toegedien is nie, mag dit moontlik wees dat 'n weerstandbiedende populasie teenwoordig is.

Indien 'n weerstandbiedende populasie positief geïdentifiseer is, moet onmiddellike aandag gegee word aan die gebruik van 'n insekdoder met 'n verskillende werkingsmetode en waarvan daar geen rekord is van weerstand teen die relevante insek nie. Vir spesifieke informasie rakende weerstandsbestuur moet die registrasiehouer van die produk gekontak word.

#### **GEBRUIKSAANWYSINGS**

**Gebruik slegs soos aangedui.**

## MENGINSTRUKSIES

Vul die spuitenk half met voldoende skoon water. Voeg die verlangde volume **CYRUS WG** by die water terwyl die mengsel geroer word. Vul die tenkmengsel dan op tot die verlangde watervolume. Tenkmengsels moet onmiddellik uitgespuit word en nie toegelaat word om oornag te staan nie. Moet nie brakwater gebruik nie. Toedieningsapparate moet deeglik afgespoel word aan die einde van die spuit operasies.

## AANBEVELINGS

GEWAS	TOEDIENING	OPMERKINGS
<p><b>Sitrus</b> (Koemkwat uitgesluit)</p> <p>Draende bome tot en met 15 jaar oud (vir bome ouer as 25 jaar verwys na notas hieronder)</p>		<p>Dien toe gedurende Aug/ Sept by groenpunt tot die witblomknopgroei stadium van bome. Meng die verlangde hoeveelheid <b>CYRUS WG</b> in 1 l water en dien toe om die basis van die stam deur beker te gebruik. Besproei 24 uur na die toediening. Wanneer <b>CYRUS WG</b> op suurlemoen bome toegedien word, dien slegs toe nadat al die vrugte (insluitend onderontwikkelde vrugte) verwyder is, beheer kan slegs verwag word op die eerste vrugset na toediening.</p>
<p><b>Plantluis</b> (<i>Toxoptera citricidus</i>), <b>rooi dopluis</b> (<i>Aonidiella aurantii</i>),</p>	<p><b>Grond drenking</b> 4.5g / boom</p> <p>3 g / boom</p>	<p>Dien toe gedurende Aug/ Sept in 1 l water rondom die basis van die stam deur gebruik te maak van 'n beker. Besproei binne 24 uur na toediening.</p>
<p><b>Plantluis</b> (<i>Toxoptera citricidus</i>)</p>	<p><b>Grond drenking</b> 3 g / boom</p>	<p>Dien <b>CYRUS WG</b> toe in 200 ml water 2 dae na oorplanting van die ingeënte saailinge in plastieksakke.</p>
<p><b>Nie-draende bome</b> Plantluis (<i>Toxoptera citricidus</i>)</p>	<p><b>Grond drenking</b> 0.75 g / saailing</p>	
<p><b>Kwekery bome</b> <b>Plantluis</b> (<i>Toxoptera citricidus</i>)</p>		

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## NOTAS

- Die bome moet gesond en stres vry wees en gereeld besproei word voor en na toediening
- Moet nie toedien op bome onmiddellik na snoei nie.
- **Bome ouer as 15 jaar:** Wanneer **CYRUS WG** toegedien word op bome ouer as 15 jaar, sal die plaagbeheer wisselvallig wees.
- **Toediening deur drippers – of mikro besproeiingsisteme:** Wanneer **CYRUS WG** toegedien word deur besproeiingsisteme, kan plaagbeheer wisselvallig wees. Sommige insekskade moet as gevolg hiervan verwag word asook gewasskade

GEWAS	TOEDIENING	OPMERKINGS
<p><b>Appels</b></p> <p>Bloedluis (<i>Eriosoma lanigerum</i>)</p>	<p><b>Grondtoediening</b></p> <p><b>Bome tot 6 jaar oud:</b> 0.5 g / boom</p> <p><b>Bome 7 – 15 jaar oud:</b> 1.5g / boom</p>	<p><b>Bome wat nie blom nie:</b> dien toe in September.</p> <p><b>Blomdraende bome:</b> Dien toe binne 3 weke na blom.</p> <p>Dien toe binne 3 weke na blom.</p>

## NOTAS

- Bome met nie ouer wees as 15 jaar nie.



- Bome moet gesond wees, stres vry en gereeld besproei word voor en na toediening. Enige factor wat stress vir die boom mag veroorsaak sal nadelig wees vir opname en die verspreiding van die aktiewe bestanddeel in die boom.
- Moet geensins grond drenking deur die besproeiingsisteme doen nie.

GEWAS	TOEDIENING	OPMERKINGS
<b>Aartappels</b>	2.25g / 100 m rylengte	Sput die <b>CYRUS WG</b> mengsel binne die plantvoor van rif tot rif <b>voordat</b> die moere geplant word. Gebruik 'n 8006 of 8008 platwaaier spuitneus om 3 tot 4 l water / 100m plantvoor lengte toe te dien. Die toediening kan ook gemaak word na plant, maar voor-opkoms oor die rye. Besproei onmiddellik na toediening met +- 15mm water.