

SAYONARA


BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY

GEBRUIKSAANWYSINGS INGESLUIT
VERWYS NA BESONDERHEDE
SOOS OP HOUER / SAK GEDRUK

Lotnummer
Datum van vervaardiging

SAYONARA

INSECTICIDE



Reg. No. L9384, Act/Wet No. 36 of/van 1947 1: 08/10/2013

A suspension concentrate systemic insecticide with stomach and contact action for the control of pests on the crops as listed.


'n Suspensiekonsentraat sistemiese insekdoder met maag en kontak werking vir die beheer van plae op gewasse soos gelys.

IRAC INSECTICIDE GROUP CODE	4A	IRAC INSEKDODER GROEPKODE
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ACTIVE INGREDIENT / AKTIEWE BESTANDEEL		
Thiamethoxam (neonicotinoid)	240 g/ℓ	Tiametoksam (neonikotinoïed)

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

5ℓ



UN Number: NA

DIRECTIONS FOR USE ENCLOSED
 Batch Number
 Date of manufacture

REFER TO DETAILS AS PRINTED
ON CONTAINER / BAG

WARNINGS

Withholding periods:

Allow the following minimum number of days between last treatment and harvesting:

Apples.....	119 days
Citrus.....	176 days

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

- Handle with care.
- Toxic to bees, do not apply as a foliar spray when honey bees are present.
- Store away from sun and damp.
- Store in the original closed container in a cool and well-ventilated area.
- Avoid storage above 35 °C and below 0°C
- Effective mite control must be performed on crops treated with this chemical class.
- Store away from feed, food and drinking water.
- Keep out of reach of children, uninformed persons as well as animals.
- Do not use this product in any way contrary to the directions on this label
- **SAYONARA** has been tested on the most important commercial cultivars without any phyto toxic effects. However, more susceptible cultivars may be released in future which will need to be tested; for this, apply **SAYONARA** to a limited test area before commercial applications are made.
- **Re-entry:** Not applicable when the product is applied as a drench treatment.

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 any spray mist.
- Avoid skin and eye contact by wearing rubber and face shield when handling the concentrate and applying the product.
- Wash contaminated clothing after use.
- Wash with soap and cold water immediately after use and accidental skin contact.
- In the case of eye contact: Rinse **immediately** with running water for at least 15 minutes.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Avoid drift of spray onto other crops, grazing, rivers, dams and other areas not under treatment.
- Clean equipment after use. Dispose of rinsate where it will not contaminate the environment.
- In the case of spillages: Soak up with sand, sawdust or soil and shovel into waste containers.
- Triple rinse the empty container in the following manner: Invert the container over the spray tank or mixing tank and allow to drain for at least 30 seconds after flow has slowed down to a drip. Thereafter, rinse the empty container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsate to the contents of the spray tank or container used for drench application before destroying the container.
- Dispose of excess pesticide, spray mixture and/or rinsate where it will not contaminate any crops, grazing, dams, boreholes or rivers.
- Destroy the empty container by perforation and flattening.
- **Never** re-use the empty container for any other purpose.

MODE OF ACTION:

SAYONARA is an insecticide with contact, stomach and systemic activity. It is rapidly taken up into the plant and transported acropetally in the xylem.

RESISTANCE WARNING

For resistance management **SAYONARA** is a group code 4A insecticide. Any insect population may contain individuals naturally resistant to **SAYONARA** and any other group code 4A insecticides. These resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly and exclusively. These resistant insects may not be controlled by **SAYONARA** or any other group code 4A insecticides.

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.
- 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 **SAYONARA** as recommended, a resistant population may be present. If a resistant population is positively identified, consideration should be given to the prompt use of an insecticide with a different mode of action for which there is no record of resistance from the relevant pest. For specific information on resistance management, contact the registration holder of this product. Meridian Agrochemical Company will not accept liability for performance failures in the event of a build-up of resistant insects resulting from inadequate resistance management practices as indicated on the label.

USE RESTRICTIONS

Ensure that the pH is below 8.5 before application of **SAYONARA** as a soil drench.

Do not apply **SAYONARA** to any crop or situation not mentioned in this label.

Do not apply this product in combination or tank mixture with any other product or agricultural remedy which is not specifically listed on this label. Meridian Agrochemical Company (Pty) Ltd accepts no responsibility for any negative effects experienced if the instructions on this label are not adhered to, unless a Meridian representative was consulted beforehand.

Apples:

- **SAYONARA** must only be applied as a drench application if a micro irrigation system is present.
- Overhead and drip irrigation systems are not suitable for drench applications.
- Do not apply **SAYONARA** through the irrigation system.
- **SAYONARA** must only be applied to healthy, actively growing trees.

Citrus:

- **SAYONARA** must only be applied as a drench application if a micro irrigation system is present.
- Overhead, flooding and drip irrigation systems are not suitable for drench applications
- **SAYONARA** must only be applied to healthy, actively growing, stress-free trees that have a well-developed root system.
- The efficacy of **SAYONARA** may be reduced on soils with a clay content above 25%
- The efficacy of **SAYONARA** can be limited by any factor that impairs optimal sap flow in the trees, e.g. drought stress or branches that are bent or were bent earlier on.
- Sometimes, poor red scale control may occur on a branch or side-shoot of a tree, despite treatment with **SAYONARA**.
- **SAYONARA** must not be used in limes or lemons.

DIRECTIONS FOR USE

Use only as directed

MIXING INSTRUCTIONS

Half-fill the spray tank with clean, suitable water and add the required quantity of **SAYONARA** to the water in the spray tank while agitating.

Fill the spray tank to the desired volume with water while maintaining agitation. Maintain agitation during application. **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray**

tank overnight. Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

COMPATIBILITY

The compatibility of **SAYONARA** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made. Do not make tank mixtures with other agricultural remedies or foliar feed products without first ensuring that the combination is physically compatible and that no reduction in efficacy or crop damage will result. If mixing **SAYONARA** with other products, follow all label instructions of that product carefully. Do not tank mix when applied as a soil drench.

APPLICATION METHODS

- Ensure that the equipment is correctly calibrated and is checked regularly during application to ensure even and accurate application at the correct volume. **Constant agitation throughout the spray operation is essential.** Only clean water should be used.
- Wet the entire plant while avoiding run-off and drift onto non-target sites.
- Do not overdose by overlapping applications or by exceeding the recommended application rate.
- Do not spray during the heat of the day or if the foliage is wet

FOLIAR APPLICATION

- It is recommended to use knapsack sprayers and motorised mist blowers. Ensure thorough wetting of the plants. Plants with dense foliage will need higher spray volumes in order to ensure thorough wetting.

DRENCH APPLICATION

- Remove all weeds and plant debris from under the tree and make a well around the trunk. Apply around the entire base of the trunk.
- Irrigate within one day of application in order to wash the product into the soil.
- A slightly damp soil will enhance the movement of **SAYONARA** in the soil.
- **SAYONARA** should be applied and incorporated into the soil before fertilizer application.

RECOMMENDATIONS

CROP/PEST	APPLICATION RATE	REMARKS
APPLES Woolly apple aphid <i>(Eriosoma lanigerum)</i>	3 m ℓ / tree	Drench application: Apply SAYONARA during the last two weeks of September. Mix with 1 ℓ of water and apply using a jug. Refer to the "Use Restrictions" and "Application Techniques" above.
CITRUS Red scale <i>(Aonidiella aurantii)</i>	18 m ℓ / tree	Drench application: Apply SAYONARA from mid August to mid September when the trees are in the green bud to white bud growth stage. The best results are obtained when applications are made 4-6 weeks before the first crawler movement. Mix with 1 ℓ water and apply using a jug. Refer to the "Use Restrictions" and "Application Techniques" above Note: Effective mite control must be performed on crops treated with this chemical class

ACKNOWLEDGEMENT OF TRADEMARKS

SAYONARA is a registered trademark of Meridian Agrochemical Company (Pty) Ltd.

WAARSKUWINGS

Onthoudingsperiode:

Laat die volgende minimum aantal dae toe tussen die laaste toediening en oes:

Appels.....	119 dae
Sitrus.....	176 dae

BELANGRIK: Die aanbevole onthoudingsperiode tussen die periode van die laaste toediening en oes mag voldoen aan plaaslike residu vereistes, maar mag dalk nie aan vereistes vir uitvoer voldoen nie.

- Hanteer die produk versigtig.
- Giftig vir bye, moenie toedien as blaarbespuiting waar heuningbye teenwoordig is nie.
- Berg die produk op 'n veilige plek weg van sonlig en vog.
- Berg die produk in die oorspronklike houer in 'n koel geventileerde area.
- Vermyn opberging bokant 35°C of onderkant 0°C.
- Effektiewe mytbeheer moet toegepas word op gewasse wat met hierdie chemiese klas toegedien word.
- Berg weg van enige voer, voedsel of drinkwater.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Moet nie produk op enige manier anders gebruik as wat die aanwysings op die etiket aandui nie.
- **SAYONARA** is sonder enige fitotoksiseitskade op die mees belangrikste kommersiële kultivars getoets. Meer vatbare kultivars mag in die toekoms vrygestel word wat eers getoets moet word; hiervoor moet **SAYONARA** eers op 'n klein toetsoppervlakte aangewend word, alvorens groot kommersiële bespuitings gemaak word.
- **Herbetreding:** Nie van toepassing by gronddeurdrenkingsbehandeling 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 grond-, klimaats- en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die 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 die etiketaanwysings na te kom of om die 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

- Moet geen spuitnewel inasem nie.
- Vermyn vel en oogkontak deur beskermde oorklere en gesigsbeskerming te dra wanneer die produk vermeng en toegedien word.
- Was besoedelde klere na gebruik.
- Was met seep en koue water onmiddellik na gebruik en vermyn toevallige velkontak.
- In die geval van oogkontak: Spoel **onmiddellik** uit met lopende water vir 'n minimum van 15 minute.
- Moenie drink, eet of rook tydens die vermenging van die produk of met die toediening daarvan nie; of eet, drink of rook voordat hande en gesig gewas is nie.
- Verhoed die besmetting van voedsel, voer, drinkwater en eetgerei.
- Verhoed die wegdrywing van spuitnewel na aangrensende gewasse, weidings, riviere, damme en ander areas wat nie onder behandeling is nie.
- Maak alle toerusting skoon na gebruik. Raak ontslae van spoelwater waar dit nie die omgewing sal besoedel nie.
- In die geval van stortings: Droog op met sand, saagsels of grond en skep in afvalhouers.
- Spoel die leë houer uit op die volgende manier: Keer die leë houer om oor die spuittenk of mengbak en dreineer vir ten minste 30 sekondes totdat die vloei tot 'n druppel verminder het. Die houer moet hierna **drie keer** uitgespoel word met 'n hoeveelheid water gelykstaande aan 'n

minimum van 10% van die houer se volume. Gooi die spoelwater by die inhoud van die tenk of by die houer wat vir deurdrenking gebruik gaan word, voordat die houer vernietig word.

- Raak ontslae van oortollige spuitmengsel waar dit nie enige gewasse, weidings, damme, boorgate of riviere sal besoedel nie.
- Vernietig die leë houer deur die houer vol gate te maak en plat te trap.
- **Moet nooit** die houer vir enige ander doel gebruik nie.

METODE VAN WERKING

SAYONARA is 'n insekdoder met kontak-, maag- en sistemiese werking. Die produk word vinnig deur die plant opgeneem en in die xileem akropetaal getranslokeer.

WAARSKUWING TEEN WEERSTAND

Vir weerstandsbestuur is **SAYONARA** 'n Groep kode 4A insekdoder. Enige insekpopulasie mag individue bevat wat natuurlik weerstandbiedend is teen **SAYONARA** en ander groepkode 4A insekdoders. Hierdie weerstandbiedende individue kan uiteindelik die insekpopulasie domineer indien hierdie insekdoders herhaaldelik en eksklusief gebruik word. Hierdie weerstandbiedende insekte sal waarskynlik nie deur **SAYONARA** of enige ander groepkode 4A insekdoders beheer word nie.

Om weerstand teen insekdoders te vertraag:

- Verhoed die eksklusiewe herhaaldelike gebruik van insekdoders van dieselfde groepkode. Wissel af met, of gebruik tenkmengsels van, geregistreerde produkte in verskillende insekdodergroepkodes.
- Integreer ander beheermetodes (chemies, verbouing, biologiese) in insekbestuurprogramme.

Vanwee die feit dat weerstand nie voorspel kan word nie, word gebruikers versoek om behandelde gewasse noukeurig dop te hou. Indien behandeling nie effektief is na die gebruik van **SAYONARA** nie, kan 'n weerstandbiedende populasie teenwoordig wees. Indien 'n weerstandbiedende populasie positief geëdentifiseer is, moet daar onmiddellik oorweging geskenk word aan die gebruik van 'n insekdoder met 'n verskillende metode van werking waarvan daar geen rekord is van weerstand t.o.v die relevante plaag nie. Vir spesifieke inligting oor weerstandsbestuur moet die registrasiehouer van die produk gekontak word. Meridian Agrochemical Company (Edms.) Bpk. aanvaar geen verantwoordelikheid vir enige swak beheer indien die opbou van weerstandbiedende insekte a.g.v. die onvoldoende weerstandsbestuurspraktyke soos op etiket aangedui, gevolg is nie.

GEBRUIKSBEPERKINGS

Verseker dat die pH van die mengsel onder 8.5 is voordat **SAYONARA** as 'n gronddeurdrenking toegedien word.

Moenie **SAYONARA** op enige gewas of situasie toedien wat nie in die etiket verskyn nie.

Moenie die produk toedien in kombinasie of tenkmengsel met enige ander produk of landboumiddel wat nie spesifiek op die etiket gelys is nie. Meridian Agrochemical Company (Edms.) Bpk. aanvaar geen verantwoordelikheid vir enige negatiewe gevolge ervaar indien die instruksies op die etiket nie nagekom word nie, tensy 'n Meridian verteenwoordiger vooraf geraadpleeg is.

Appels:

- **SAYONARA** mag slegs toegedien word as 'n gronddeurdrenkingstoediening indien 'n mikro-besproeiingsstelsel teenwoordig is.
- Oorhoofse en driebesproeiingsstelsels is nie geskik vir deurdrenkingstoedienings nie.
- Moet geensins **SAYONARA** deur 'n besproeiingsstelsel toedien nie.
- **SAYONARA** moet slegs toegedien word op gesonde, aktief groeiende bome.

Sitrus:

- **SAYONARA** mag slegs toegedien word as 'n deurdrenkingstoediening indien 'n mikro-besproeiingsstelsel teenwoordig is;
- Oorhoofse-, vloed- en driebesproeiingsstelsels is nie geskik vir deurdrenkingstoedienings nie.
- **SAYONARA** moet slegs toegedien word op gesonde, aktief groeiende, stresvrye bome met 'n goed ontwikkelde wortelsisteam.
- Die effektiwiteit van **SAYONARA** mag verminder op gronde met 'n klei-inhoud van 25%.

- Die effektiwiteit van **SAYONARA** kan beperk word deur enige toestand wat optimale sapvloei in die boom benadeel soos bv. droogte stres, of takke wat gebuig is of voorheen gebuig was.
- Soms mag swak rooidopluisbeheer op 'n tak of sy-loot van die boom voorkom, ten spyte van 'n behandeling met **SAYONARA**.
- **SAYONARA** mag nie op lemmetjies of suurlemoene gebruik word nie.

GEBRUIKSAANWYSINGS

Gebruik soos aangedui

MENGINSTRUKSIES

Vul die tenk halfvol met skoon, geskikte water en voeg die benodigde volume **SAYONARA** by die tenk terwyl die mengsel aanhoudend geroer word.

Vul die tenkmengsel tot die verlangde watervolume terwyl die mengsel deurlopend geroer word.

Verseker deurlopende roering met toediening. **Tenkmengsels moet uitgespuit word en nie toegelaat word om oornag te staan nie.**

Alle spuittoerusting moet deeglik uitgespoel en skoongemaak word na afloop van die spuitsessie.

MENGBAARHEID

Die mengbaarheid van **SAYONARA** met ander produkte hang van die formulering van daardie produkte af, sowel as van die gehalte van die spuitwater wat gebruik word. Deurdat formulering van tyd tot tyd verander word dit aanbeveel om 'n fisiese mengbaarheidstoets te doen alvorens in 'n tenkmengsel gemaak word. Moet nie tenkmengsels met ander landbouprodukte of blaarvoedingprodukte maak, alvorens seker gemaak is dat die effektiwiteit van die produk nie sal verlaag, of gewasskade sal voorkom nie.

Indien **SAYONARA** met ander produkte gemeng word, moet die etiket-aanwysings van daardie produkte noukeurig gevolg word. Moenie 'n tenkmengsel maak as die produk as 'n gronddeurdrenkingsmiddel toegedien word nie.

TOEDIENINGSMETODES

- Verseker dat die toerusting korrek gekalibreer is en deurlopend tydens toediening nagegaan word om egalige en korrekte toediening te verseker. **Konstante roering gedurende toediening is noodsaaklik.** Slegs skoon water van goeie gehalte moet gebruik word.
- Benat die totale plant en verhoed die afloop of wegdrywing na nie-teikengebiede.
- Moet nie oordoseer deur oorvleuel van toedienings of deur oorskryding van die aanbevole dosis nie.
- Moet nie produk op die hitte van die dag toedien nie, of wanneer die blare nat is nie.

BLAARTOEDIENING

- Dit word aanbeveel om rugsakspuite en gemotoriseerde newelblasers te gebruik. Verseker deeglike benatting van die plante. Plante/bome met digte blare het egter hoër spuitvolumes nodig ten einde optimale benatting te verseker.

GRONDDEURDRENKING

- Verwyder alle onkruid en plantreste onder die boom en maak 'n dammetjie rondom die stam van die boom. Dien rondom die hele basis van die stam toe.
- Besproei binne een dag na toediening om te verseker dat die produk in die grond gewas word.
- Klammerige grond sal die beweging van **SAYONARA** in die grond verbeter.
- **SAYONARA** moet toegedien word en in die grond ingeloo word voordat plantvoeding toegedien word.

AANBEVELINGS

GEWAS/ PLAAG	DOSIS	OPMERKINGS
APPELS Appelbloedluis (<i>Eriosoma lanigerum</i>)	3 ml / boom	Deurdrenkingstoediening: Dien SAYONARA toe tydens die laaste twee weke van September. Meng met 1 l water en dien met 'n maatbeker toe. Verwys na die "Toedieningsmetodes" hierbo.
SITRUS Rooidopluis (<i>Aonidiella aurantii</i>)	18 ml / boom	Deurdrenkingstoediening: Dien SAYONARA toe vanaf middel Augustus tot middel September wanneer die bome in groenbot- tot witbotgroeifase is. Die beste resultate word verkry wanneer die toedienings 4 – 6 weke voor die eerste kruiperbewegings gemaak word. Meng met 1 l water en dien met maatbeker toe. Verwys na die "Gebruiksaanwysings" en "Toedieningsmetodes" hierbo. Nota: Effektiewe mytbeheer moet toegepas word op gewasse wat met hierdie chemiese klas behandel word.

ERKENNING VAN HANDELSMERKE

SAYONARA (L9384) is 'n geregistreerde handelsmerk van Meridian Agrochemical Company (Edms.) Bpk.