EVOLVE 480 SC

Act No. 36 of 1947 / Wet Nr. 36 van 1947
SA Reg. No. L10644 / NAM Reg. No. N-AR 2275 / BWA Reg. No. W1301827

READ ATTACHED PACKAGED LEAFLET BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS

GROUP	11	12	FUNGICIDES

PRODUCT INFO:
A suspension concentrate, broad spectrum systemic fungicide with contact and translaminar action for the preventative control of diseases on crops as listed.

PRODUK INFO:
'n Suspensie konsentraat, breë spektrum sistemiese swamdoder met kontak en translaminêre aksie vir die voorkomende beheer van siektes op gewasse soos aangedui.

WARNING

HAZARD STATEMENTS:
Harmful if swallowed.
May be harmful in contact with skin.
Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:
Wear protective gloves, protective clothing, eye, and face protection.
Wash hands, face, and exposed skin thoroughly after handling.

Active Ingredients / Aktiewe Bestanddele

Azoxystrobin (strobilurin)	240 g/ℓ	Asoksistrobien (strobilurien)
Fludioxonil (phenylpyrrole)	240 g/ℓ	Fludioxonil (fenielpirool)

Net (ℓ) SEE CONTAINER

Registration Holder / Registrasiehouer

ICA INTERNATIONAL CHEMICALS (PTY) LTD

ICA International Chemicals (Pty) Ltd. • Reg. No. 2001/013319/07
28 Planken Street • Plankenbrug Industrial • STELLENBOSCH • 7600 • SOUTH AFRICA
Tel. +27-21 886 9812 • www.icaonline.co.za

What is GHS?

Batch No. Date of Manufacture Expiry Date	SEE CONTAINER	Lot Nr. Datum van Vervaardiging Vervaldatum

In case of poisoning, call the following number: Human Poison Helpline +27-861 555 777
Emergency Number: Griffon Poison Information Centre +27-82 446 8946

Group III UN No. / VN Nr. 3082 AZFD004

EVOLVE 480 SC

Wet Nr. 36 van 1947
SA Reg. Nr. L10644 / NAM Reg. Nr. N-AR 2275 / BWA Reg. Nr. W1301827

'n Suspensie konsentraat, breë spektrum sistemiese swamdoder met kontak en translaminêre aksie vir die voorkomende beheer van siektes op gewasse soos gelys.

AKTIEWE BESTANDDELE:
Asoksistrobien (strobilurien) ..... 240 g/ℓ
Fludioxonil (fenielpirool) ..... 240 g/ℓ

GEREGISTREER DEUR:
ICA International Chemicals (Pty) Ltd. Reg. Nr. 2001/013319/07
Plankenstraat 28 • Plankenbrug Industrieël • Stellenbosch • 7600 • Suid-Afrika
Tel. +27-21 886 9812 • www.icaonline.co.za

WAARSKUWINGS

Skadelik indien ingesluk
Moontlik skadelik in aanraking met vel
Baie giftig vir waterlewende organismes met langdurige gevolge

Onthoudingsperiodes (Minimum aantal dae tussen laaste toediening en verbruik):
Sitrus ..... 0 Dae
Mango's (voor-oes) ..... 21 Dae
Mango's (na-oes) ..... 0 Dae

Nakoming van hierdie onthoudingsperiodes en toedieningsmetodes sal verseker dat die plaaslike maksimum residu limiete (MRL) nie oorskry word nie, maar mag dalk nie voldoen aan die invoervereistes van ander lande nie. Indien die gewas wat behandel word bestem is vir uitvoer, raadpleeg die betrokke in- of uitvoerder rakende die gebruik van hierdie produk, die MRL en aanbevole onthoudingsperiodes. Alhoewel **EVOLVE 480 SC** as gewasveilig beskou word op die meeste belangrike kultivars, beteken dit nie dat 'n meer sensitiewe kultivar in die toekoms op die mark kan kom nie. **EVOLVE 480 SC** moet eers getoets word op nuwe kultivars voordat dit oor groot areas (voor-oes) of op groot volumes vrugte (na-oes) aangewend 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, aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander produkte wat nie op die etiket aangedui is nie en die voorkoms van weerstand 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 effekte op mens of dier of vir 'n gebrek aan doeltreffendheid, as gevolg van die versuim van die gebruiker 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 geval van enige onsekerheid.

VOORSORGMAATREËLS

Indien mediese advies benodig word, hou die produkhouer of -etiket byderhand.
Hou buite bereik van kinders.
Lees sorgvuldig en volg alle instruksies.
Was hande en blootgestelde vel deeglik na hantering.
Vermy vrystelling in die omgewing.
Dra beskermende handskoene, beskermende klere, oog- en gesigbeskerming.
INDIEN INGESLUK: Spoel mond uit. Kry mediese hulp.
INDIEN OP VEL: Was met baie seep en water. Kry mediese hulp.
Trek alle besoedelde klere uit en was dit voor hergebruik.
Maak stortsel bymekaar.
Berg agter slot en grendel.
Raak ontslae van inhoud en houer volgens nasionale regulasies.

SPOEL DIE LEË HOUER DRIE MAAL SOOS VOLG: Keer die leë houer om oor 'n meng- of spuittenk en laat vir ten minste 30 sekondes leegloop totdat die vloei stadiger word tot 'n gedrup. Spoel die leë houer drie maal met skoon water gelyk aan 'n minimum van 30 % van die volume van die houer. Voeg spoelwater by die inhoud van die spuittenk. Bied houer aan vir herwinning of perforeer dit en raak daarvan ontslae by 'n gemagtigde opvulterrein (www.croplife.co.za). Moenie houer vir enige ander doel gebruik nie.

RELEVANTE STOWWE:
Asoksistrobien (Cas no: 131860-33-8) Akute Giftigheid Inaseming Kategorie 3, H331; Waterlewend Akuut Kategorie 1, H400; Waterlewend Kronies Kategorie 1, H410 (24 % m/v).
Fludioxonil (Cas no: 131341-86-1) Waterlewend Akuut Kategorie 1, H400; Waterlewend Kronies Kategorie 1, H410 (24 % m/v).
1,2-bensisotiasolien-3-oon (Cas no: 2634-33-5) Vel Allergie Kategorie 1, H317 (< 1 % m/v).

NOODHULPBEHANDELING

Ingeval van 'n ongeluk of as u onwel voel, verkry mediese hulp dadelik en wys ETIKET indien moontlik.

INGEASEM:
- Neem die slagoffer weg van die onmiddellike bron van blootstelling. Verskuif die slagoffer na vars lug as dit veilig gedoen kan word en hou gemaklik.
- Indien die slagoffer ophou asemhaal, pas kunsmatige asemhaling toe. Dien suurstof toe as die slagoffer se asemhaling moeilik of onreëlmatig is. Kry mediese hulp.

VEL:
- Verwyder en isoleer besmette klere, skoene en leergoedere dadelik en gaan stort.
- Spoel aangetaste areas (vel) met nieskurende seep of sagwerkende wasmiddel en groot hoeveelhede lopende water. Was besmette klere voor hergebruik. Kry mediese hulp indien irritasie ontwikkel en voortduur.

OË:
- Spoel oë versigtig met skoon lopende water vir ten minste 15 minute terwyl die ooglede vanmekaar gehou word. Verwyder kontaklense na 5 minute indien aanwesig en maklik om te doen.
- Hou aan met spoel terwyl ooglede vanmekaar gehou word. Kry mediese hulp indien irritasie voortduur.

OPNEMING:
- Indien ingesluk MOENIE vomering aanmoedig nie, tensy deur 'n gifbeheersentrum of dokter aangesê word om dit te doen. Laat persoon slukkies van 'n glas water neem indien in staat om te sluk.
- Moet nooit iets per mond aan 'n bewustelose persoon toedien nie. Kry mediese hulp.

NOTA AAN GENEESHEER:
- Daar is nie 'n spesifieke teenmiddel nie. Alle behandeling moet gebaseer word op waargenome tekens en simptome van nood by die pasiënt.

WEERSTANDSWAARSKUWING

Vir weerstandsbestuur: **EVOLVE 480 SC** bevat groepkode (**11** + **12**) swamdoders. Enige populasie van 'n spesifieke swam mag individue insluit wat 'n natuurlike weerstand teen **EVOLVE 480 SC** of enige ander groepkode (**11** + **12**) swamdoders het. Indien hierdie swamdoders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die swampopulasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur **EVOLVE 480 SC** of enige ander groepkode (**11** + **12**) swamdoders beheer word nie.

Om weerstand teen swamdoders te vertraag:

- vermy die eksklusiewe herhaaldelike gebruik van swamdoders met dieselfde groepkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende swamdoder groepkodes,
- raadpleeg toepaslike individuele produketikette wanneer daar afgewissel word, of tenkmengsels gemaak word, met produkte in ander swamdoder groepkodes,
- integreer ander beheermaatreëls (chemies, verbouing, biologies) in swamdoder programme.

EVOLVE 480 SC moet altyd voorkomend toegedien word. Wissel **EVOLVE 480 SC** toedienings af met geregistreerde middels wat nie strobilurien en fenielpirool bevat nie.

WERKINGSWYSE

Asoksistrobien behoort aan die strobilurien klas swamdoders (FRAC-groep 11). Strobiluriene, ook bekend as QoI swamdoders, inhibeer mitokondriale respirasie wat lei tot 'n energietekort in die swamselle deur energieproduksie te staak wat swamdood veroorsaak (inhibeer spoorontkieming, miseliumgroei en sporulering).

Fludioxonil is 'n sintetiese verbinding van die fenielpirroolgroep (FRAC-groep 12). Fludioxonil is nie-sistemies met lang residuele aktiwiteit. Die werkingswyse is die inhibisie van transport-geassosieerde fosforilering van glukose, wat die groeitempo van miselium verminder, sowel as die voorkoming van gliserolsintese.

GEBRUIKSBEPERKINGS

- Dit is belangrik dat **EVOLVE 480 SC** voorkomend toegedien word, voordat simptome voorkom, soos voorgeskryf in die toedieningstabel.
- Hou by die dosisse wat op die etiket aanbeveel word, MOENIE die dosis verminder nie.
- **EVOLVE 480 SC** moet as 'n voldekbespuiting in die boord toegedien word.
- Indien dit binne twee uur na toediening reën, moet die toediening herhaal word.

GEBRUIKSAANWYSINGS

(Gebruik slegs soos aangedui)

VERENIGBAARHEID:

Hoewel **EVOLVE 480 SC** verenigbaar is met meeste landbouchemiesemiddels word 'n fisiese mengbaarheidstoets altyd aanbeveel voor gebruik.

MENGINSTRUKSIES:

Toediening in water: Maak mengtenk halfvol met skoon water. Skud die **EVOLVE 480 SC** houer deeglik voor gebruik en meng die aanbevole hoeveelheid vooraf in ten minste 10 liter water. Meng enige ander produk vooraf *afsonderlik* op dieselfde wyse. Terwyl mengtenk geroer word voeg die vooraf gemengde produkte in die volgende volgorde by: benatbare poeiers, water oplosbare korrels, suspensie konsentrate, emulsifiseerde konsentrate en oplosbare konsentrate laaste. Vul mengtenk met skoon water tot by verlangde vlak terwyl voortdurend geroer word. Roer mengsel deeglik voor en deurgaans tydens toediening. Aangemaakte spuitmengsel **MOENIE** in spuittenk gelaat word vir onbepaalde tyd, bv. oornag, sonder dat dit nie deurgaans geroer word nie. Maak alle toerusting deeglik skoon na gebruik en gooi afvalwater weg sonder om die omgewing te besoedel.

Sitruswaks aanwending: EVOLVE 480 SC meng nie maklik met koue waterbasis sitruswakse nie. Vir eenvormige residu lading is dit belangrik om eers **EVOLVE 480 SC** deeglik met ± 350 mℓ louwarm water (± 40 °C) te meng voordat dit by die 25 ℓ waks in die toediener gevoeg word. Na die verdunning van **EVOLVE 480 SC** in die waks, meng die mengsel deeglik vir ten minste 15 minute met mengapparaat. Die voorbereide mengsel moet konstant gemeng word.

TOEDIENINGSTABEL		
GEWAS en SIEKTE	**DOSIS**	**OPMERKINGS**
SITRUS Na-oes bederf veroorsaak deur *Penicillium digitatum* (Groenskimmel) en *Penicillium italicum* (Blouskimmel)	**HOË VOLUME WATER AANWENDING:** 250 mℓ/100 ℓ water (600 dpm asoksistrobien + 600 dpm fludioxonil)	*Doop/dompel behandeling:* Spoel en ontsmet vrugte deeglik volgens voorgeskrewe prosedure met **Sporekill®** (L7115) of ander geregistreerde produkte, voor **EVOLVE 480 SC** toediening. Dien die **EVOLVE 480 SC** suspensie toe as 'n doop- of drenkbehandeling. Moenie vrugte afspoel na toediening nie. Droog vrugte na behandeling, moenie nat vrugte verpak nie. Dit is belangrik dat vrugte so spoedig moontlik na oes behandel word. Tenke kan aangevul word met 250 mℓ **EVOLVE 480 SC** vir elke 100 ℓ vars water wat bygevoeg word. Vervang wanneer mengsel te vuil is. Roer **EVOLVE 480 SC** mengsel voor en tydens toediening om uitsakking te voorkom.
Na-oes sporulasie beheer van *Penicillium digitatum* (Groenskimmel) en *Penicillium italicum* (Blouskimmel)	**LAE VOLUME SITRUSWAKS AANWENDING:** 375 mℓ in 25 ℓ waks **Toedienings Dosis** ~ 1 ℓ waksmengsel per 1 ton vrugte	*Waks aanwending:* Dien waks eweredig op droë vrugte toe wat vooraf ontsmet en/of met 'n swamdoder behandel is. (*sien menginstruksies*)
MANGO'S **Boord aanwending** Sagte bruinvrot (*Botryosphaeria* spp.) Antraknose (*Colletotrichum* spp.)	750 mℓ/ha	*Spuitaanwending in water:* **EVOLVE 480 SC** moet as 'n hoë volume spuitaanwending, teen 5 – 15 ℓ per boom (afhangende van die boomgrootte), in 'n geïntegreerde voorkomende spuitprogram met swamdoders van ander FRAC-groepe, toegedien word. Dien **EVOLVE 480 SC** toe in 'n program saam met 'n geregistreerde koperswamdoder soos **CopperKill SC** (L10999). Dien eerste toediening by vrugset (albaster grootte) toe, gevolg deur twee tot drie **CopperKill SC** toedienings. Dien 'n tweede toediening van **EVOLVE 480 SC** 21 dae voor oes toe. Hierdie behandelings sal ook tot die beheer van stingel-ent vrot en bloeiselskroei (*Dothiorella dominicana*, *Lasiodiplodia theobromae* en *Phomopsis mangiferae* kompleks) en poeieragtige meeldou (*Oidium mangiferae*) bydra. Om volle beheer van poeieragtige meeldou te verkry, dien **EVOLVE 480 SC** in 'n poeieragtige meeldou voorkomende program met geregistreerde produkte van ander FRAC-groepe, bv. **ICA-Prochloraz 450 EC** (L8478), **SunFlo 800 SC** (L11000) en/of **TebuCure 250 EW** (L7992) toe. Voltooi die geïntegreerde voorkomende swamdoderbeheerprogram op die vrugte met 'n na-oes toediening van 'n geregistreerde swamdoder.
MANGO'S **Na-oes aanwending** Antraknose (*Colletotrichum* spp.) Stingel-ent vrot (*Lasiodiplodia theobromae*, *Botryodiplodia theobromae*) Sagte bruinvrot (*Botryosphaeria* spp.)	150 mℓ/100 ℓ water	*Doop/dompel behandeling:* Spoel en saniteer vrugte volgens vasgestelde prosedures voor behandeling met **EVOLVE 480 SC**. Dien die **EVOLVE 480 SC** suspensie as 'n doop- of dompelbehandeling so gou moontlik na oes toe en verseker vrugkontak van ten minste 30 sekondes. Die dompelmengsel moet verhit word en by 50 °C gehou word. Moenie vrugte na behandeling afspoel nie. Droog vrugte na behandeling en moenie die vrugte verpak terwyl dit nat is nie. Die **EVOLVE 480 SC** mengsel moet voortdurend geroer word om uitsakking te voorkom. Doop tenke kan aangevul word teen 150 mℓ **EVOLVE 480 SC** vir elke 100 ℓ water wat bygevoeg word. Vervang die mengsel wanneer dit vuil is.

CopperKill SC (Reg. Nr. L10999, Wet 36 van 1947), ICA-Prochloraz 450 EC (Reg. Nr. L8478, Wet 36 van 1947), Sporekill® (Reg. Nr. L7115, Wet 36 van 1947), SunFlo 800 SC (Reg. Nr. L11000, Wet 36 van 1947) en TebuCure 250 EW (Reg. Nr. L7992, Wet 36 van 1947) is geregistreerde produkte van ICA International Chemicals.

EVOLVE 480 SC

Act No. 36 of 1947
SA Reg. No. L10644 / NAM Reg. No. N-AR 2275 / BWA Reg. No. W1301827

A suspension concentrate, broad spectrum systemic fungicide with contact and translaminar action for the preventative control of diseases on crops as listed.

ACTIVE INGREDIENTS:
Azoxystrobin (strobilurin) ..... 240 g/ℓ
Fludioxonil (phenylpyrrole) ..... 240 g/ℓ

REGISTERED BY:
ICA International Chemicals (Pty) Ltd Reg. No. 2001/013319/07
28 Planken Street • Plankenbrug Industrial • Stellenbosch • 7600 • South Africa
Tel. +27-21 886 9812 • www.icaonline.co.za

WARNINGS

Harmful if swallowed
May be harmful in contact with skin
Very toxic to aquatic life with long lasting effects

Withholding periods (Minimum number of days between last application and consumption):
Citrus ..... 0 Days
Mangoes (*pre-harvest*) ..... 21 Days
Mangoes (*post-harvest*) ..... 0 Days

Compliance with these withholding periods and below application methods will ensure that residues do not exceed local maximum residue limits (MRL) but may not meet the import requirements of other countries. If the crop to be treated is intended for export, consult the relevant importer or exporting body regarding the use of this product, maximum residue limits and recommended withholding periods. Although **EVOLVE 480 SC** is regarded as crop-safe on most of the important cultivars, this does not mean that a more sensitive cultivar might be available in future. **EVOLVE 480 SC** must be tested on new cultivars prior to usage over large areas (pre-harvest) or on large quantities of fruit (post-harvest).

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 disease 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, and the environment or harm to man/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

If medical advice is needed, have product container or label at hand.
Wash hands and exposed skin thoroughly after handling.
Do not eat, drink, or smoke when using this product.
Avoid release to the environment.
Wear protective gloves, protective clothing, eye and face protection.
IF SWALLOWED: Rinse mouth. Get medical help.
IF ON SKIN: Wash with plenty of soap and water. Get medical help.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Store locked up.
Dispose of contents and container in accordance with national regulations.

TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS: Invert empty container over mix or spray tank and allow draining for at least 30 seconds until flow has slowed to a drip. Triple rinse the empty container with clean water equal to a minimum of 30 % of the volume of the container. Add rinsing to the contents of the spray tank. Offer container for recycling or puncture and dispose of at authorised landfill (www.croplife.co.za). Do not use container for any other purpose.

RELEVANT SUBSTANCES:
Azoxystrobin (Cas no: 131860-33-8) Acute Inhalation Toxicity Category 3, H331; Aquatic Acute Category 1, H400; Aquatic Chronic Category 1, H410 (24 % w/v).
Fludioxonil (Cas no: 131341-86-1) Aquatic Acute Category 1, H400; Aquatic Chronic Category 1, H410 (24 % w/v).
1,2-benzisothiazol-3-one (Cas no: 2634-33-5) Skin Sensitization Category 1, H317 (< 1 % w/v).

FIRST AID MEASURES

In case of accident or if you feel unwell seek medical advice immediately and show this LABEL where possible.

INHALATION:
- Remove the victim from immediate source of exposure. Move victim to fresh air, if it can be done safely, and keep comfortable.
- If victim's breathing has stopped, perform artificial respiration. Administer oxygen if victim's breathing is difficult or irregular. Get medical help.

SKIN:	· Remove and isolate contaminated clothing, shoes, and leather goods immediately and take a shower. · Rinse affected areas (skin) with non-abrasive soap or mild detergent and large amounts of running water. Wash contaminated clothing before reuse. Get medical help if irritation develops and persists.
EYES:	· Rinse eyes cautiously with clean running water for at least 15 minutes, while holding eyelids apart. Remove contact lenses after 5 minutes if present and easy to do. · Continue rinsing while holding eyelids apart. Seek medical help if irritation continues.
INGESTION:	· If swallowed, DO NOT induce vomiting, unless instructed to do so by poison control center or doctor. Have person sip a glass of water if able to swallow. · Never give anything by mouth to an unconscious person. Get medical help.
NOTE TO PHYSICIAN:	· There is no specific antidote. All treatments should be based on observed signs and symptoms of distress in the patient.

RESISTANCE WARNING

For resistance management: EVOLVE 480 SC contains group code (**11** + **12**) fungicides. Any fungal population may contain individuals naturally resistant to **EVOLVE 480 SC** and other group code (**11** + **12**) fungicides. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **EVOLVE 480 SC** or any other group code (**11** + **12**) fungicides.

To delay fungicide resistance:

- avoid exclusive repeated use of fungicides from the same chemical class code. Alternate or tank mix with registered products from different chemical class codes,
- for tank mixing or alternation with products in other chemical class codes, refer to applicable individual product labels,
- integrate other control methods (chemical, cultural, biological) into disease control programmes.

EVOLVE 480 SC should always be applied as a preventative measure. Alternate applications of **EVOLVE 480 SC** with other registered fungicides from a different chemical class than strobilurin and phenylpyrrole.

MODE OF ACTION

Azoxystrobin belongs to the strobilurin class of fungicides (FRAC group 11). Strobilurins, also known as QoI fungicides, inhibits mitochondrial respiration leading to an energy deficiency in the fungal cells by halting energy production causing fungal death (inhibiting spore germination, mycelial growth, and sporulation).

Fludioxonil is a synthetic compound of the phenylpyrrole group of substances (FRAC group 12), non-systemic with long residual activity. The mode of action is the inhibition of transport-associated phosphorylation of glucose, which reduce mycelial growth rate, as well as preventing glycerol synthesis.

USE RESTRICTIONS

- It is important that **EVOLVE 480 SC** is applied preventatively, before symptoms appear, as prescribed in the application table.
- Adhere to the dosage rates recommended on the label, DO NOT reduce dosage rate.
- **EVOLVE 480 SC** must be applied as a full cover spray in the orchard.
- Should it rain within two hours after application, the application must be repeated.

DIRECTIONS FOR USE

(Use only as directed)

COMPATIBILITY:

Although **EVOLVE 480 SC** is compatible with most agrochemicals, a physical compatibility test is always recommended prior to application.

MIXING INSTRUCTIONS:

Application in water: Half fill the mixing tank with clean water. Shake the **EVOLVE 480 SC** container thoroughly immediately before use and pre-mix the required volume in at least 10 liter water. Pre-mix any other product(s) to be tank mixed in the same way *separately*. While agitating the spray tank water, add the pre-mixed product(s) in the following sequence: wettable powders, water dispersible granules, suspension concentrates, emulsifying concentrates and soluble concentrates last. Top up the mixing tank with the required quantity clean water whilst agitating. Agitate constantly before and during application. **DO NOT** allow tank mixture to settle and do not leave the prepared mixture in the tank for any length of time, e.g., overnight, without agitation. Clean all equipment thoroughly after use and dispose of wastewater without polluting the environment.

Citrus wax application: EVOLVE 480 SC does not mix easily with cold water-based wax. For uniform residue distribution, it is necessary to first mix **EVOLVE 480 SC** thoroughly with ± 350 mℓ lukewarm water (± 40 °C) before adding to the 25 ℓ wax in the applicator. After dilution of **EVOLVE 480 SC** in wax, stir mixture thoroughly for at least 15 minutes with mixing device. The prepared mixture must be agitated constantly.

APPLICATION TABLE		
CROP and DISEASE	**DOSAGE**	**REMARKS**
CITRUS Post-harvest decay caused by *Penicillium digitatum* (Green mould) and *Penicillium italicum* (Blue mould)	**HIGH VOLUME WATER APPLICATION:** 250 mℓ/100 ℓ water (600 ppm azoxystrobin + 600 ppm fludioxonil)	*Dip/drench treatment:* Fruit must be thoroughly rinsed and disinfected with **Sporekill®** (L7115) or other registered products, according to set procedures prior to treatment with **EVOLVE 480 SC**. Apply **EVOLVE 480 SC** suspension either as a drench or dip treatment. Do not rinse fruit after treatment. Dry fruit after treatment, do not pack wet fruit. It is important to treat the fruit as soon as possible after harvest. Tanks can be topped up with 250 mℓ **EVOLVE 480 SC** for every 100 ℓ of fresh water added. Replace mixture when dirty. Agitate **EVOLVE 480 SC** mixture constantly before and during application to prevent sedimentation.
Post-harvest sporulation control of *Penicillium digitatum* (Green mould) and *Penicillium italicum* (Blue mould)	**LOW VOLUME CITRUS WAX APPLICATION:** 375 mℓ in 25 ℓ wax **Application Rate** ~ 1 ℓ of wax mixture per 1 ton of fruit	*Wax application:* Apply wax evenly on previously disinfected and/or fungicide treated, dried fruit. (*See mixing instructions*)
MANGOES **Orchard application** Soft brown rot (*Botryosphaeria* spp.) Anthracnose (*Colletotrichum* spp.)	750 mℓ/ha	*Spray application in water:* **EVOLVE 480 SC** should be applied as a high-volume spray application at 5 – 15 ℓ per tree (depending on size of tree), in an integrated preventative fungal orchard spray programme that includes fungicides from other FRAC groups. Apply **EVOLVE 480 SC** in a programme with a registered copper fungicide such as **CopperKill SC** (L10999). Apply first application at fruit set (marble size) followed by two to three **CopperKill SC** applications. Apply a second application of **EVOLVE 480 SC** at 21 days before harvest. These treatments will also contribute to the control of stem-end rot and blossom blight (*Dothiorella dominicana*, *Lasiodiplodia theobromae* and *Phomopsis mangiferae* complex) and powdery mildew (*Oidium mangiferae*). To achieve full control of powdery mildew, apply **EVOLVE 480 SC** in a powdery mildew preventative programme with registered products from other FRAC groups i.e., **ICA-Prochloraz 450 EC** (L8478), **SunFlo 800 SC** (L11000) and/or **TebuCure 250 EW** (L7992). Complete the integrated preventative fungal control programme on the fruit with a post-harvest application of a registered fungicide.
MANGOES **Post-harvest application** Anthracnose (*Colletotrichum* spp.) Stem-end rot (*Lasiodiplodia theobromae*, *Botryodiplodia theobromae*) Soft brown rot (*Botryosphaeria* spp.)	150 mℓ/100 ℓ water	*Dip/drench treatment:* Rinse and sanitise fruit according to set procedures prior to treatment with **EVOLVE 480 SC**. Apply **EVOLVE 480 SC** suspension as a dip or drench treatment as soon as possible after harvest and ensure fruit contact of at least 30 seconds. The drench mixture must be heated and maintained at 50 °C. Do not rinse fruit after treatment. Dry fruit after treatment and do not pack while wet. Stir the **EVOLVE 480 SC** mixture constantly to prevent settling. Dip tanks can be replenished by adding 150 mℓ **EVOLVE 480 SC** for every 100 ℓ of water added. Replace the mixture when dirty.

CopperKill SC (Reg. No. L10999, Act 36 of 1947), ICA-Prochloraz 450 EC (Reg. No. L8478, Act 36 of 1947), Sporekill® (Reg. No. L7115, Act 36 of 1947), SunFlo 800 SC (Reg. No. L11000, Act 36 of 1947) and TebuCure 250 EW (Reg. No. L7992, Act 36 of 1947) are registered products of ICA International Chemicals.