Sien ingeslote voubiljet vir gebruiksaanwysings / See enclosed leaflet for directions for use

IMACULATE 300EC

SA Reg. No. L9080 Wet / Act No. 36 van / of 1947 / NAM Reg No. N-AR 2154

'N EMULGEERBARE KONSENTRAAT SWAMDODER VIR NA-OESBEDERF BEHEER VAN GROEN & BLOU SKIMMEL (*PENICILLIUM DIGITATUM, P. ITALICUM*) EN SUURVROT (*GEOTRICHUM CITRI-AURANTII*) VAN SITRUS.

AN EMULSIFIABLE CONCENTRATE FUNGICIDE FOR POST HARVEST DECAY CONTROL OF GREEN & BLUE MOLD (*PENICILLIUM DIGITATUM, P. ITALICUM*) AND SOURROT (*GEOTRICHUM CITRI-AURANTII*) IN CITRUS.

FRAC SWAMDODER GROEPKODE 3 FRAC FUNGICIDE GROUP CODE

AKTIEWE BESTANDDEEL:
Imasalil (imidasool)

300 g/ℓ

ACTIVE INGREDIENT:
(imidazole) Imazalil

Registrasiehouer / Registration Holder:

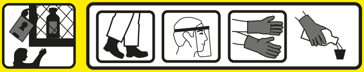
Batch No: **SEE CONTAINER FOR DETAILS**
Date of Manufacture:

Net Volume:
1 ℓ

ICA International Chemicals (Pty) Ltd
Reg. No. 2001/013319/07
28 Planken Street · Plankenbrug Ind. · STELLENBOSCH · 7600 · SOUTH AFRICA
Tel. +27-21-886 9812 • www.icaonline.co.za
Poisons Helpline +27 (0)861 555 777
Griffons Poison Information Centre +27 (0)82 446 8946

UN No: 3082

Group III



HARMFUL
SKADELIK

SA/NamIZ30-003-003

IMACulate 300 EC

SA Reg. No. L9080 / NAM Reg. No. N-AR 2154
Act No. 36 of 1947

An emulsifiable concentrate, fungicide for post-harvest decay control of green & blue mould (*Penicillium digitatum* & *P. italicum*) and sour rot (*Geotrichum citri-aurantii*) in citrus.

ACTIVE INGREDIENTS:
Imazalil (imidazole):.................... 300 g/ℓ

REGISTERED BY:
ICA International Chemicals (Pty) Ltd.
Reg. No: 2001/013319/07
PO Box 2312 ◆ STELLENBOSCH ◆ 7601 ◆ South Africa

HARMFUL

WARNINGS

Compliance with the application rate will ensure that residues do not exceed local maximum residue limit (MRL) of 5 ppm, but the import tolerances of other countries might possibly be exceeded. 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 limit and recommended withholding periods.

- Harmful by inhalation DO NOT inhale spray, mist or fog.
- Harmful if swallowed DO NOT drink this product.
- Risk of damage to the eye, avoid contact with eyes.
- Harmful to aquatic organisms. DO NOT contaminate streams, rivers or waterways with the product or the used containers.
- Keep out of reach of children, uninformed persons and animals.
- Store in a cool, dry and well ventilated place away from food, feed and drinking water.

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, the environment or harm to man or animal 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

- Prevent inhalation where spray, mist or fog is generated, wear suitable respiratory equipment. Use in a well-ventilated area. If inhaled: If breathing is difficult, remove person to fresh air and keep at rest in a comfortable position. Persons with respiratory conditions must avoid areas while spraying is administered.
- Prevent contact with eyes; wear chemical splash goggles or safety glasses. If in contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical advice. Wash hands thoroughly with soap and water after handling and before eating or drinking.
- Prevent skin contact when handling the undiluted product, wear rubber gloves. If on skin, gently wash with plenty of water and soap.
- Do not eat, drink or smoke whilst handling this product.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Clean equipment thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- EMPTY CONTAINERS: 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. Do not use container for any other purpose.

RESISTANCE WARNING:

For resistance management, **IMACULATE 300 EC** is a group codes 3 fungicide. Any fungus population may contain individuals naturally resistant to **IMACULATE 300 EC** and other group codes 3 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **IMACULATE 300 EC** or any other group codes 3 fungicides.
To delay fungicide resistance:
- Avoid exclusive repeated use of fungicides from the same fungicide group code.
- Alternate or tank mix with products from different fungicide group codes.
- Integrate other control methods (chemical, cultural, biological) into disease control programmes.

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

DIRECTIONS FOR USE
USE ONLY AS DIRECTED

COMPATIBILITY:
IMACULATE 300 EC is compatible with citrus fruit waxes. The compatibility of **IMACULATE 300 EC** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. A physical compatibility test must always be performed before such a tank mixture is made.

MIXING INSTRUCTIONS:
IMACULATE 300 EC *does not mix easily with cold citrus waxes*. Since large droplets of undiluted **IMACULATE 300 EC** can cause serious phytotoxicity to citrus fruit, it is necessary to *first mix* **IMACULATE 300 EC** *thoroughly with ± 500 mℓ warm water* (± 40°C) *before adding to the wax* in the applicator. The resulting mixture must be agitated constantly.

APPLICATION AND DOSAGE RATE:
Mix 250 mℓ **IMACULATE 300 EC** in 25 litre citrus wax to obtain a treatment concentration of 3000 ppm Imazalil. *After dilution* of **IMACULATE 300 EC** in wax, the *mixture must be stirred thoroughly* for at least 15 minutes with mixing device, before application.

IMACulate 300 EC

SA Reg. No. L9080 / NAM Reg No. N-AR 2154
Wet No. 36 van1947

'n Emulgeerbare konsentraat swamdoder vir na-oesbederf beheer van groen & blou skimmel (*Penicillium digitatum* & *P. italicum*) en Suurvrot (*Geotrichum citri-aurantii*) van sitrus.

AKTIEWE BESTANDDEEL:
Imasalil (imidasool):...300 g/ℓ

GEREGISTREER DEUR:
ICA International Chemicals (Pty) Ltd.
Reg. No: 2001/013319/07
Posbus 2312 ◆ STELLENBOSCH ◆ 7601 ◆ Suid-Afrika

SKADELIK

WAARSKUWINGS

Nakoming van hierdie toediening sal verseker dat die plaaslike maksimum residu limiet (MRL) van 5 dpm nie oorskry sal word nie, maar mag dalk nie voldoen aan die invoervereistes van ander lande nie. Indien die gewas wat behandel gaan word, bestem is vir uitvoer, skakel met die betrokke invoerder of uitvoerliggaam rakende die gebruik van hierdie produk se MRL vereistes en aanbevole onthoudingsperiodes.

- Skadelik indien spuitnewel ingeasem word, MOENIE dit inasem nie.
- Skadelik indien produk gesluk word, MOENIE die produk drink nie.
- Risiko vir skade aan oë, voorkom kontak met oë.
- Giftig vir visse en ander waterorganismes. MOENIE waterstrome, riviere of vloeiende waterweë besoedel met hierdie produk of die houers waarin dit geberg word nie.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Berg in 'n koel, droë plek weg van voedsel, voer en drinkwater.

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 van onkruide 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

- Voorkom inaseming van sproei of missproei, dra gesigmasker. Indien inaseming plaasvind, verwyder die persoon na vars lug en hou persoon rustig. Persone met long toestande moet areas vermy terwyl bespuitings toegedien word.
- Voorkom kontak met oë, dra chemiese beskermings brille of gesigskerm. Indien in kontak met oë, spoel oog onmiddellik uit met lopende water vir 15 minute en kry onmiddellik mediese hulp.
- Voorkom kontak met onverdunde produk, dra rubber handskoene. Indien in kontak met vel, was met water en seep.
- Moenie eet, drink of rook terwyl die produk hanteer word nie.
- Vermy besoedeling van voedsel, voer, drinkwater en eetgerei.
- Na gebruik, maak toediener deeglik skoon en gooi waswater waar dit nie gewasse, weiding, riviere of damme sal besoedel nie.
- LEË HOUERS: Sodra houer leeg is, keer om oor spuittenk of mengbak en dreineer vir minstens 30 sekondes totdat vloei tot gedrup verminder het. Spoel leë houer daarna driekeer uit met 'n volume water gelykstaande aan minstens 30 % van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat die houer vernietig word, deur gate daarin te maak. Bied houer aan vir hersirkulasie of neem na 'n amptelike vullis area. Moenie die houer vir enige ander doel gebruik nie.

WEERSTANDSWAARSKUWING

IMACULATE 300 EC is 'n groepkode 3 swamdoder. Enige populasie van 'n spesifieke swam mag individue insluit wat 'n natuurlike weerstand teen **IMACULATE 300 EC** of enige ander groepkode 3 swamdoder het. Indien hierdie swamdoders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die swampopulasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur **IMACULATE 300 EC** of enige ander groepkode 3 swamdoder 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.
- integreer ander beheermaatreëls (chemies, verbouing, biologies) in swamdoder programme.

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

GEBRUIKSAANWYSINGS
GEBRUIK SLEGS SOOS AANGEDUI

VERENIGBAARHEID:
IMACULATE 300 EC is verenigbaar met sitrus waks. Die verenigbaarheid van **IMACULATE 300 EC** met ander produkte word bepaal deur die formulasie van die onderskeie produkte asook die kwaliteit van die spuitwater wat gebruik word. 'n Fisiese verenigbaarheidstoets moet altyd gedoen word voordat produkte vermeng en toegedien word.

MENGINSTRUKSIES:
IMACULATE 300 EC *meng nie maklik met koue sitrus waks nie*. Wanneer ongemengde druppels **IMACULATE 300 EC** op sitrusvrugte aangewend word, kan fitotoksisiteit veroorsaak word. *Belangrik*: *Meng eers* **IMACULATE 300 EC** *deeglik in ± 500 mℓ warm water* (± 40°C) *voordat dit by die res van die waks* in toediener gevoeg word. Na byvoeging, moet die oplossing konstant gemeng word.

TOEDIENING EN DOSIS:
Meng 250 mℓ **IMACULATE 300 EC** in 25 liter sitrus waks om 'n behandeling konsentrasie van 3000 dpm imazalil te verkry. Na verdunning van **IMACULATE 300 EC** in waks, meng deeglik vir minstens 15 minute met roerder, voor aanwending.