

Vir volledige inligting sien ingeslote voubiljet / For full particulars see enclosed leaflet.

megacideTM

'n Oplosbare konsentraat swamdoder vir die beheer van Na-oesbederf in Sitrus (Groen- en Blouskimmel & Suurvrot) en Tamaties (Rhizopus- en Suurvrot).

A Soluble concentrated fungicide for the control of post-harvest decay in Citrus (Green and Blue moulds & Sour rot) and Tomatoes (Rhizopus rot and Sour rot)

Reg. No. / Nr. : L 7126

Wet Nr. / Act No. 36/1947

AKTIEWE BESTANDDEEL:

ACTIVE INGREDIENT:

Guasatien (guanidien) 210 g/l Guazatine (guanidine)

Batch No:

Lotnommer: MC//.....

Date of Manufacture

Datum vervaardig:

Versprei deur / Distributed by

HYGROTECH

Netto/Net
Volume
.....

HYGROTECH SEED (EDMS) BPK/SEED (PTY) LTD

Reg. No. 84/00638/07

1 Gerhard Braak St. Pyramid / P.O. Box 17220, Pretoria North 0116 • Tel: (012) 545 0100, Fax: (012) 545 0150

Geregistreer deur / Registered by:

ICA International Chemicals (PTY) LTD, P.O. Box 2312, Stellenbosch, 7601 (Reg No: 2001/013319/07)

VN No.2902

UN No.2902



HARMFUL
SKADELIK



MEGACIDE®

Reg. No. L7126 Wet No. 36 of 1947

A Soluble Concentrate Fungicide for Control of Post-Harvest Decay in Citrus (Green and Blue Mould & Sour Rot) and Tomatoes (Rhizopus rot & Sour rot).

ACTIVE INGREDIENT:

Guazatine (guanidine) 210 g/ℓ

REGISTERED BY:

ICA International Chemicals (Pty) Ltd

Reg. No. 2001/013319/07

28 Planken Street, Plankenbrug Industrial, STELLENBOSCH 7601, SOUTH AFRICA

Tel: +27 21 886 9812

Website: www.icaonline.co.za



**HARMFUL
WARNINGS**

Withholding periods (Minimum number of days between last application and consumption):

Citrus.....0 Days
Tomatoes.....0 Days

Compliance with these withholding periods will ensure that residues do not exceed local maximum residue limits (MRL), 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, MRL and recommended withholding periods. Although **Megacide®** 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. **Megacide®** must be tested on fruit from new cultivars prior to general use.

- Keep locked up.
- Keep out of reach of children, uninformed people, and animals.
- Very toxic when concentrate is inhaled.
- Harmful if concentrate comes in contact with skin and swallowed.
- Risk of serious damage to eyes.
- Irritating to respiratory system and skin.
- Store in cool place away from food, feed, food utensils, and drinking water.
- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

- Do not inhale fumes, in case of insufficient ventilation, wear suitable respiratory equipment when handling concentrate.
- In case of accident by inhalation, remove casualty to fresh air, keep at rest and obtain medical assistance.
- Avoid contact with skin, wear suitable protective clothing, gloves, and eye/face protection.

- After contact, immediately take off contaminated clothing and wash with plenty of soap and water.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Wash with soap and water after use.
- Do not eat, drink or smoke whilst handling product or before washing hands and face.
- Prevent contamination of food, feed, eating utensils and drinking water.
- Avoid release to the environment (rivers and dams).
- Clean all equipment thoroughly after use and do not pollute the environment with wash water.
- This material and/or its container must be disposed of as hazardous waste.
- 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. In case of accident or if swallowed or if you feel unwell, seek medical advice immediately (show label where possible).

RESISTANCE WARNING

For resistance management, **Megacide**[®] is a group code (M7) fungicide. Any fungus population may contain individuals naturally resistant to **Megacide**[®] and other group code (M7) fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **Megacide**[®] or any other group code (M7) fungicide.

To delay fungicide resistance:

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

Megacide[®] should always be applied as a preventative treatment as soon as possible after harvest. Alternate applications of **Megacide**[®] with other registered fungicides from a different chemical class than guanidine, never use any of the guanidine or guanidine related chemicals in the same programme with **Megacide**[®].

DIRECTIONS FOR USE

Mixing Instructions:

1. Shake container before use.
2. Agitate the solution during the dipping process.
3. Dip ingredients Must Not be mixed together in concentrated form. Add separately to the full volume of water in the dip tank.
4. To restore the original volume in the dip tank, add required water and then the appropriate amount of **Megacide**[®].
5. Maintain the concentration (1000 ppm) of the solution by using the titration and relevant calculation method (consult your agent).
6. Dip solution should be replaced when dirt begins to accumulate.

APPLICATION RATES			
CROP	DISEASE	DOSAGE	REMARKS
Citrus Post-harvest treatment	Post-harvest disease caused by: Green Mould (<i>Penicillium digitatum</i>), Blue Mould (<i>Penicillium italicum</i>) and Sour rot (<i>Geotrichum citri-aurantii</i>).	4,8 ℓ per 1000 ℓ water (1000 ppm)	Dip/drench freshly washed citrus for not less than 40/120 seconds. Refer to notes below and “GENERAL INSTRUCTIONS”
TOMATOES	Post-harvest disease caused by: Sour rot (<i>Geotrichum candidum</i>) Rhizopus rot (<i>Rhizopus stolonifer</i>).	480 ml / 100 ℓ water Plus 6 ml Hygrowet / 100 ℓ water (1000 ppm)	For Non-Recirculating Spray Only: Before spraying Megacide ® freshly washed fruit should be dry and below 35°C. Allow fruit to drain thoroughly and dry before packing. Refer “GENERAL INSTRUCTIONS”

BEFORE ANY APPLICATION TAKE NOTE!

- Although **Megacide**® is extensively tested and regarded as crop-safe it must be tested on new cultivars before use.
- Do not apply **Megacide**® to sensitive citrus fruit, since it may result in phytotoxicity of the rind. Various stress factors can lead to sensitive fruit, such as drought, water logged soil, nutrient deficiency, frost or extreme cold conditions, extreme fluctuations in temperatures in period before harvest, etc.
- After treatment, citrus fruit must not stay wet for long periods since it can result in rind damage. Fruit must be dried after treatment or ensure adequate ventilation for drying and avoid excessively moist condition.

GENERAL INSTRUCTIONS

1. Handle fruit carefully to minimise potential infection sites caused by injury.
2. Handle fruit (citrus & tomatoes) carefully to minimise potential infection sites caused by injury.
3. Ensure diseased fruit is promptly removed from the field and packing house and is destroyed.
4. It is recommended that fruit are first washed and disinfected in dip tank containing SPOREKILL® or a chlorine based sanitizer before being treated with **Megacide**®.
5. Dip fruit promptly after harvest.
6. For tomatoes, apply **Megacide**® solution as very fine spray. Apply sufficient spray to wet the entire fruit surface without causing significant run-off.

MCideSA004

MEGACIDE®

Reg. No. L7126 Wet No. 36 van 1947

'n Oplosbare Konsentraat Swamdoder vir die Beheer van Ná-Oesbederf in Sitrus (Groen- en Blouskimmel en Suurvrot) en Tamaties (Rhizopus- en Suurvrot).

AKTIEWE BESTANDEDEEL:

Guasatien (guanidine) 210 g/ℓ

GEREGISTREER DEUR:

ICA International Chemicals (Pty) Ltd

Reg. No. 2001/013319/07

Planken Staat 28, Plankenbrug Industriëel, STELLENBOSCH 7601, SUID AFRIKA

Tel: +27 21 886 9812

Webblad: www.icaonline.co.za



SKADELIK

WAARSKUWINGS

Onthoudingsperiodes (Minimum aantal dae tussen laaste toediening en oes)

Sitrus.....0 Dae

Tamaties.....0 Dae

Nakoming van hierdie onthoudingsperiodes 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 gaan word, bestem is vir uitvoer, skakel met die betrokke invoerder of uitvoerliggaam rakende die gebruik van hierdie produk se maksimum residuvereistes en aanbevole onthoudingsperiodes.

Alhoewel **Megacide®** 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. Vrugte van nuwe kultivars moet nie in groot skaal behandel word voordat **Megacide®** daarop getoets is nie.

- Berg toegesluit.
- Hou buite bereik van kinders, diere en oningeligte persone.
- Baie toksies as konsentraat inge-aseem word.
- Skadelik indien konsentraat ingeneem of ge-absorbeer word deur die vel.
- Risiko van ernstige skade aan oë.
- Irriterend vir asemhalingsstelsel en vel.
- Stoor in 'n koel plek weg van voedsel, voer, eetgerei en drinkwater.
- Baie toksies vir akwatiese organismes, mag lang termyn skadelike effek in die akwatiese omgewing te weegbring.

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.

VOORSORGMATREËLS

- Moenie die dampe inasem nie, indien ventilasie nie voldoende is nie, moet geskikte asemhalings apparaat gedra word tydens hantering van konsentraat.
- In die geval van 'n ongeluk deur inaseming, verwyder persoon na vars lug, hou rustig en verkry mediese hulp.
- Vermyn kontak met die vel, dra geskikte beskermende klere, handskoene, en oog / gesig beskerming.
- Na kontak met vel, trek onmiddellik besoedelde klere uit en was met baie seep en water.
- Na kontak met oë, spoel uit met baie water. Kry mediese behandeling.
- Was met seep en water na gebruik.
- Moenie eet, drink of rook terwyl produk hanteer word, of voordat hande en gesig gewas is nie.
- Verhoed besoedeling van voedsel, voer, eetgerei en drinkwater.
- Vermyn vrystelling aan die omgewing (riviere en damme).
- Maak alle apparaat deeglik skoon na gebruik en moenie die omgewing met spoelwater besoedel nie.
- Hierdie materiaal en / of sy houer moet gehanteer word as gevaarlike afval.
- 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.
- In die geval van 'n ongeluk of indien ingesluk of as jy sleg voel, kry onmiddellik mediese advies (wys etiket waar moontlik).

WEERSTANDSWAARSKUWING

Megacide® is 'n groepkode (M7) swamdoder. Enige populasie van 'n spesifieke swam mag individue insluit wat 'n natuurlike weerstand teen **Megacide®** of enige ander groepkode (M7) swamdoder het. Indien hierdie swamdoders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die swampopulasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur **Megacide®** of enige ander groepkode (M7) swamdoder beheer word nie.

Om weerstand teen swamdoders te vertraag:

- vermyn 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.

Megacide® moet altyd as 'n voorkomende behandeling toegedien word. Wissel **Megacide®** toedienings af met geregistreerde middels wat nie guanidine bevat nie. Moet nooit 'n guanidine of verwante middel in 'n program saam met **Megacide®** gebruik nie.

GEBRUIKSAANWYSINGS

(Gebruik slegs soos aangedui)

Meng Instruksies:

1. Skud houer voor gebruik
2. Roer die oplossing tydens dompelproses
3. Die konsentraat van ander produkte wat in dompeltenk gebruik word moet nie vooraf saam gemeng word nie. Voeg die produkte apart by in vol dompeltenk
4. Wanneer dompeltenk volume aangevul word, voeg eers verlangde hoeveelheid water by en daarna die korrekte volume **Megacide®**
5. Oplossing in dompeltenk moet vervang word wanneer debri begin akkumuleer
6. Hou die konsentrasie van die oplossing by 1000 dpm dmv die titrasie-berekening-metode (raadpleeg u agent)

TOEDIENINGSHOEVEELHEDE

GEWAS	SIEKTE	DOSIS	OPMERKINGS
SITRUS Ná-oesbehandeli	Ná-oesbederf veroorsaak deur: groen- (<i>Penicillium digitatum</i>), blouskimmel <i>Penicillium italicum</i> , en suurvrot (<i>Geotrichum citri-aurantii</i>)	4,8 ℓ per 1000 ℓ water (1000 dpm)	Dompel/drenk skoon gewaste sitrus vir 'n minimum tydperk van 40/120 sekondes. Lees " ALGEMENE VOORSKRIFTE "
TAMATIES	Na-oesbederf veroorsaak deur: Suurvrot (<i>Geotrichum candidum</i>) Rhizopus-vrot (<i>Rhizopus stolonifer</i>)	480 mℓ / 100 ℓ water Plus 6 mℓ Hygrowet / 100 ℓ water (1000 dpm)	Vir nie-sirkulasie spuit aplikasie alleenlik: Voor spuit toediening van skoongewaste tamaties moet vrugte droog wees en onder 35°C. Laat vrugte toe om te droog voor verpakkiing. Lees " ALGEMENE VOORSKRIFTE "

VOOR ENIGE AANWENDING, NEEM KENNIS:

- Alhoewel **Megacide**® deeglik getoets en as gewas-veilig beskou word, moet dit op nuwe kultivars se vrugte getoets word voor aanwending.
- Moenie **Megacide**® op sensitiewe sitrus vrugte aanwend nie, aangesien dit kan lei tot fitotoksisiteit van die skil. Verskeie stresfaktore kan lei tot sensitiewe vrugte, soos bv. droogte, versuipde grond, voedingstekorte, ryp of uiterste koue toestande, uiterste skommeling in temperatuur in tydperk voor die oes, ens.
- Na behandeling mag sitrus vrugte nie vir lang periodes nat bly nie, aangesien dit tot skil-skade kan ly.
- Vrugte moet gedroog word na behandeling óf voorsien voldoende ventilasie vir droging en vermy uitermatige vogtige toestande wat afdroging vertraag.

ALGEMENE VOORSKRIFTE

1. Hanteer vrugte (sitrus en tamaties) versigtig om aantal beserings, wat potensiaal vir infeksie kan verhoog, te beperk.
2. Verwyder en vernietig bederfde vrugte in die boord en pakhuis.
3. Dit word aanbeveel dat vrugte eers gewas en ontsmet word in 'n dompeltenk wat **SPOREKILL**® of 'n chloor bevattende saniteerder bevat, voor **Megacide**® behandeling.
4. Behandel vrugte so spoedig moontlik ná oes.

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