

Tutor⁵⁰⁰ SC

Act No. 36 of 1947 / Wet Nr. 36 van 1947

SA Reg. No. L9948 / NAM Reg. No. N-AR 1706 / BWA Reg. No. W1301053

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

| | | | |
|--------------|----------|-----------|-------------------|
| GROUP | 9 | 12 | FUNGICIDES |
|--------------|----------|-----------|-------------------|

PRODUCT INFO:

A suspension concentrate, contact and translaminar fungicide for the control of various diseases in crops as listed.



WARNING

PRODUK INFO:

'n Suspensie konsentraat kontak en translaminêre swamdoder vir die beheer van verskeie siektes op gewasse soos aangedui.

HAZARD STATEMENTS:

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

PRECAUTIONARY STATEMENTS:

Wash hands, face, and exposed skin thoroughly after handling.
Do not touch eyes.

Active Ingredients / Aktiewe Bestanddele

Pyrimethanil (anilino-pyrimidines) 400 g/ℓ

Pirimetaniel (anilinopirimidien)

Fludioxonil (phenylpyrrole) 100 g/ℓ

Fludioxonil (fenielpirol)

Net (ℓ) SEE CONTAINER

Registration Holder / Registrasiehouer



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

Batch No.
Date of Manufacture

SEE
CONTAINER

Lot Nr.
Datum van Vervaardiging

Human Poison Helpline +27-861 555 777 • Griffon Poison Information Centre +27-82 446 8946

GROUP III

UN No. / VN Nr. 3082

SANB-Tut004-006

TUTOR 500 SC

Act No. 36 of 1947

SA Reg. No. L9948 / NAM Reg. No. N-AR 1706 / BWA Reg. No. W1301053

ACTIVE INGREDIENTS:

Pyrimethanil (anilino-pyrimidines) 400 g/ℓ
Fludioxonil (phenylpyrrole) 100 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

A suspension concentrate, contact and translaminar fungicide for the control of various diseases on crops as listed:

- ▶ Anthracnose control on avocado fruit.
- ▶ Botrytis in citrus blossoms, table and wine grapes, strawberries, berries, pomegranate, onions as well as on potato foliage.
- ▶ Post-harvest control of *Penicillium* decay on citrus.
- ▶ Early blight (*Alternaria solani*) control on potatoes.
- ▶ Suppression of purple blotch (*Alternaria porri*) on onions.
- ▶ Control of *Alternaria (Alternaria alternata)* fruit rot of pomegranates.
- ▶ Powdery mildew suppression on table and wine grapes and berries (blueberries and currants).
- ▶ Botrytis and *Monilinia* fruit decay control and *Rhizopus* decay suppression in stone fruit (apricots, nectarines, peaches, and plums).
- ▶ Powdery mildew control on fruiting vegetables (peppers and tomatoes).

WARNINGS

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

WITHHOLDING PERIODS (Minimum number of days between last application and harvest):

- ▶ Avocado 180 Days
- ▶ Berries (blueberries and currants) 1 Day
- ▶ Citrus 0 Days
- ▶ Fruiting vegetables (peppers and tomatoes) 1 Day
- ▶ Onions 14 Days
- ▶ Pomegranates 100 Days
- ▶ Potatoes 7 Days
- ▶ Stone Fruit (apricots, nectarines, peaches, and plums) 1 Day
- ▶ Strawberries 3 Days
- ▶ Table Grapes 28 Days
- ▶ Wine Grapes 28 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 **TUTOR 500 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. **TUTOR 500 SC** must be tested on new cultivars prior to usage over big areas.

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.
Avoid breathing mist, vapours and spray.
Wash hands and exposed skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
IF SWALLOWED: Get medical help.
IF ON SKIN: Get medical help.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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. Do not use container for any other purpose.

RELEVANT SUBSTANCES:

Pyrimethanil (Cas no: 53112-28-0) Aquatic Chronic Category 2, H411 (40 % w/v).

Fludioxonil (Cas no: 131341-86-1) Aquatic Acute Category 1, H400; Aquatic Chronic Category 1, H410 (10 % 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: | <ul style="list-style-type: none"> • (UNDILUTED MIST) Treat symptomatically. Remove patient from source of exposure and move to fresh air. • Give artificial respiration if victim is not breathing. • Administer oxygen if breathing is difficult. Get medical help. |
| SKIN: | <ul style="list-style-type: none"> • Remove all contaminated clothing and take a shower. Rinse affected areas (skin) with plenty of water. Wash contaminated clothing before reuse. |
| EYES: | <ul style="list-style-type: none"> • 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: | <ul style="list-style-type: none"> • If swallowed, DO NOT induce vomiting. Have person sip a glass of water if able to swallow. If vomiting does occur, keep on giving fluids. Get medical help. |
| NOTE TO PHYSICIAN: | <ul style="list-style-type: none"> • There is no specific antidote. All treatments should be based on observed signs and symptoms of distress in the patient. |
| POTENTIAL HEALTH EFFECTS: | <ul style="list-style-type: none"> • Effects of exposure (inhalation, ingestion, or skin contact) to substance may be delayed. |

RESISTANCE WARNING

For resistance management, **TUTOR 500 SC** consists of group code (9) and (12) fungicides. Any fungal population may contain individuals naturally resistant to **TUTOR 500 SC** and other group code (9) and (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 **TUTOR 500 SC** or any other group code (9) and (12) fungicides.

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.

TUTOR 500 SC should always be applied as a preventative spray. Alternate applications of **TUTOR 500 SC** with other registered fungicides from a different chemical class than aniline derivate and phenylpyrrole in the same programme with **TUTOR 500 SC**.

MODE OF ACTION

Pyrimethanil is an anilino-pyrimidine (AP) fungicide (FRAC group 9). The mode of action includes the inhibition of methionine biosynthesis affecting cystathionine β -lyase and the secretion of hydrolytic enzymes. It also leads to the inhibition of germ tube elongation at low concentrations.

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

Refrain from mixing **TUTOR 500 SC** with products exhibiting alkaline reactions, products containing aluminium, lime sulphur and Bordeaux mixtures.

DIRECTIONS FOR USE – use only as directedCOMPATIBILITY:

- See **USE RESTRICTIONS** above for more information regarding compatibility and mixtures.
- Although **TUTOR 500 SC** is compatible with most agrochemicals, a physical compatibility test is always recommended prior to application.

MIXING INSTRUCTIONS:

Half fill the mixing tank with clean water. Shake the **TUTOR 500 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, and emulsifying 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 spray mixture in the spray tank for any length of time, e.g., overnight.

APPLICATION TABLE

| CROP and DISEASE | DOSAGE | REMARKS |
|--|--------------|---|
| AVOCADO Control of anthracnose (<i>Colletotrichum gloeosporioides</i>) | 150 mL/100 ℓ | <ul style="list-style-type: none"> • Apply the first application at blossom. • Apply Tutor 500 SC in a preventative spray programme with fungicides from different FRAC group codes, in 14 – 21-day intervals, depending on cultivar and disease pressure. • After two (2) applications of Tutor 500 SC alternate with another fungicide with a different mode of action. DO NOT apply more than four (4) Tutor 500 SC applications per season. • Ensure thorough spray coverage for effective control. • Although an effective spray programme will control anthracnose infection on fruit in the orchard, it is advisable to follow up with a registered post-harvest fungicide. • Do not apply after fruit set. |

| | | |
|--|---|--|
| <p>BERRIES Blueberries and Currants Control of grey mould (<i>Botrytis cinerea</i>) AND Suppression of powdery mildew</p> | <p>100 mL/100 ℓ 1 ℓ Tutor 500 SC per hectare</p> | <ul style="list-style-type: none"> • Apply four (4) applications before harvest in 7 – 21-day intervals. • Ensure thorough coverage of leaf and fruit surfaces. • Apply Tutor 500 SC in a preventative fungicide spray programme. • Apply in block applications, with a 7-day interval between Tutor 500 SC sprays and at least 21 days between two blocks. • Apply maximum of four (4) applications of Tutor 500 SC per crop per season. |
| <p>CITRUS (Orchard application) Botrytis flower blight (<i>Botrytis cinerea</i>)</p> | <p>120 mL/100 ℓ Minimum of 3 ℓ Tutor 500 SC per hectare</p> | <ul style="list-style-type: none"> • Apply the first preventative Botrytis flower blight application at blossom. • Apply Tutor 500 SC in a preventative spray programme with fungicides from different FRAC group codes, in 14 – 21 -day intervals, depending on cultivar and disease pressure. Ensure thorough spray coverage. • Apply Tutor 500 SC only once in the preventative flower blight spray programme. • Do not apply after fruit set. |
| <p>(Post-harvest treatment) Post-harvest decay caused by <i>Penicillium digitatum</i> (Green mould) and <i>Penicillium italicum</i> (Blue mould)</p> | <p>200 mL/100 ℓ</p> | <ul style="list-style-type: none"> • Fruit must be thoroughly rinsed and disinfected with Sporekill® (L7115) or other registered products, according to set procedures prior to treatment with Tutor 500 SC. • Apply Tutor 500 SC suspension either as a drench or dip treatment (ambient or hot water) ensuring contact time with the fruit for at least 2 minutes. Use only the ambient water treatment on lemons: MRL will be exceeded with hot water 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. • Dip tanks can be topped up with 200 mL Tutor 500 SC for every 100 ℓ of fresh water added. Replace mixture when dirty. • Agitate Tutor 500 SC mixture constantly before and during application to prevent sedimentation. • Please Note: Tutor 500 SC is highly recommended to control and manage imazalil tolerant and resistant <i>Penicillium</i> populations. |
| <p>FRUITING VEGETABLES Peppers and Tomatoes Control of powdery mildew (<i>Leveillula</i> spp.)</p> | <p>150 mL/100 ℓ</p> | <ul style="list-style-type: none"> • Apply Tutor 500 SC as a high-volume full cover spray. • Apply Tutor 500 SC in a preventative fungicide spray programme, in 7-day intervals, with a maximum of three (3) Tutor 500 SC applications on fruit. • Interchange Tutor 500 SC with fungicides from other FRAC group codes. • Ensure thorough coverage of the foliage. |
| <p>ONIONS Control of Botrytis leaf blight (<i>Botrytis</i> spp.) AND Suppression of purple blotch (<i>Alternaria porri</i>)</p> | <p>150 mL/100 ℓ 750 mL Tutor 500 SC per hectare</p> | <ul style="list-style-type: none"> • Apply Tutor 500 SC as a high-volume full cover spray. • Apply Tutor 500 SC in a preventative fungicide spray programme, in 14-day intervals, with a maximum of three (3) Tutor 500 SC applications per season. • Interchange Tutor 500 SC with fungicides from other FRAC group codes. • Ensure thorough coverage of the foliage. • Apply 500 ℓ mixture/ha, depending on growth stage of plants. |
| <p>POMEGRANATE Control of Botrytis blossom infections Control of <i>Alternaria</i> (<i>Alternaria alternata</i>) fruit rot</p> | <p>150 mL/100 ℓ</p> | <ul style="list-style-type: none"> • Start Tutor 500 SC applications at blossom, as a high-volume full cover spray in 1 200 – 2 000 ℓ water per ha, depending on plant height. • Apply Tutor 500 SC in a preventative spray program with 14-day intervals. • Up to a maximum of two (2) applications of Tutor 500 SC can be applied per season. • STOP APPLICATIONS OF TUTOR 500 SC AT FIRST FRUIT-SET. |
| <p>POTATOES Control of grey mould (<i>Botrytis</i> spp.) on foliage Control of early blight (<i>Alternaria solani</i>)</p> | <p>150 mL/100 ℓ Minimum of 750 mL Tutor 500 SC per hectare</p> | <ul style="list-style-type: none"> • Apply Tutor 500 SC as a high-volume full cover spray. • Apply Tutor 500 SC in a preventative fungicide spray programme, in 7-day intervals, with a maximum of three (3) Tutor 500 SC applications per season. • Interchange Tutor 500 SC with fungicides from other FRAC group codes. • NB: For Botrytis control start applications before canopy closure. • Ensure thorough coverage of the foliage. Apply 500 ℓ mixture/ha, depending on growth stage of plants. |
| <p>STONE FRUIT Apricots, nectarines, peaches and plums</p> | <p>120 mL per 100 ℓ water</p> | <ul style="list-style-type: none"> • Can be applied twice pre-harvest, as a high-volume full cover spray, with a 14-day interval, up to one (1) day prior to harvest. |

| | | |
|---|--|---|
| Post-harvest decay caused by <i>Botrytis</i> and <i>Monilinia</i> spp. Also, <i>Rhizopus</i> spp. suppression | Minimum of 2 ℓ Tutor 500 SC per hectare | <ul style="list-style-type: none"> • Ensure that the fruit are thoroughly wetted. |
| STRAWBERRIES Control of Botrytis grey mould (<i>Botrytis cinerea</i>) | 300 mℓ/100 ℓ 1.5 ℓ Tutor 500 SC per hectare | <ul style="list-style-type: none"> • Apply two (2) applications before harvest in 7-day intervals. • Ensure thorough coverage of leaf and fruit surfaces. • Apply 500 ℓ mixture/ha, depending on growth stage of plants. |
| TABLE GRAPES AND WINE GRAPES Control of Botrytis decay AND Suppression of powdery mildew | 120 mℓ per 100 ℓ water Minimum of 1.2 ℓ Tutor 500 SC per hectare | <ul style="list-style-type: none"> • Apply as a high-volume full cover spray. • Tutor 500 SC may be applied during any two (2) of the following application stages: <ol style="list-style-type: none"> 1. From full blossom 2. Pea berry size 3. Berry colouring (veraison) • Follow a complete spray program against Botrytis by applying unrelated fungicides, such as IproFlo (L8213) for the rest of the application stages. • Ensure thorough coverage of the foliage. Apply 1 000 – 1 500 ℓ mixtures per hectare, depending on growth stage. • Will also suppress Powdery mildew under conditions of low disease pressure. |

Sporekill® (Reg. No. L7115, Act 36 of 1947) is a registered product of ICA International Chemicals.
IproFlo (Reg. No. L8213, Act 36 of 1947) is a registered product of ICA International Chemicals.

SANB-Tutor007

TUTOR 500 SC

Wet Nr. 36 van 1947

SA Reg. Nr. L9948 / NAM Reg. Nr. N-AR 1706 / BWA Reg. Nr. W1301053

AKTIEWE BESTANDELE:

Pirimetaniel (anilinopirimidien) 400 g/ℓ
Fludioonil (fenielpirool) 100 g/ℓ

GEREGISTREER DEUR:

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

'n Suspensiekonsentraat kontak en translaminêre- swamdoder vir die beheer van verskeie siektes op gewasse soos aangedui:

- ▶ Antraknose beheer op avokado vrugte.
- ▶ Botrytis op sitrus bloeiesels, tafel- en wyndruiwe, aarbeie, bessies, granate, uie sowel as aartappel loof.
- ▶ Na-oes beheer van *Penicillium* bederf op sitrus.
- ▶ Vroeë roes (*Alternaria solani*) beheer op aartappels.
- ▶ Onderdrukking van *Alternaria* vlek (*Alternaria parri*) op uie.
- ▶ Beheer van *Alternaria* (*Alternaria alternata*) vrugtvrot van granate.
- ▶ Poeieragtige meeldou onderdrukking op tafel- en wyndruiwe en bessies (bloubessies en korente).
- ▶ Botrytis en *Monilinia* vrug bederf beheer en *Rhizopus* bederf onderdrukking in steenvrugte (appelkose, nektariens, perskes en pruime).
- ▶ Poeieragtige meeldou beheer op vrugdraende groente (soetrissies en tamaties).

WAARSKUWINGS

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

ONTHOUDINGSPERIODES (Minimum aantal dae tussen laaste toediening en oes):

- ▶ *Aarbeie* 3 Dae
- ▶ *Aartappels* 7 Dae
- ▶ *Avokado* 180 Dae
- ▶ *Bessies (bloubessies en korente)* 1 Dag
- ▶ *Granate* 100 Dae
- ▶ *Sitrus* 0 Dae
- ▶ *Steenvrugte (appelkose, nektariens, perskes en pruime)* 1 Dag
- ▶ *Tafeldruiwe* 28 Dae
- ▶ *Uie* 14 Dae
- ▶ *Vrugdraende groente* 1 Dag
- ▶ *Wyndruiwe* 28 Dae

Nakoming van hierdie onthoudingsperiodes en toedienings metodes 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 **TUTOR 500 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. **TUTOR 500 SC** moet eers getoets word op nuwe kultivars voordat dit oor groot areas 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 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 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.
Vermyn inaseming van stuïfsel, dampe en spuitstof.
Was hande en gesig deeglik na hantering.
Gebruik slegs buitenshuis of in 'n goed geventileerde area.
Vermyn vrystelling in die omgewing.
INDIEN INGESLUK: Kry mediese hulp.
INDIEN OP VEL: Kry mediese hulp.
INDIEN INGEASEM: Neem slagoffer na vars lug en hou gemaklik vir asemhaling.
Maak stortsel bymekaar.
Berg agter slot en grendel.
Raak ontslae van inhoud en houer volgens nasionale regulasies.

SPOEL DIE LEË HOER 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 gematigde opvulterrein. Moenie houer vir enige ander doel gebruik nie.

RELEVANTE STOWWE:

Pirimetaniel (Cas no: 53112-28-0) Waterlewend Kronies Kategorie 2, H411 (40 % m/v).

Fludioxonil (Cas no: 131341-86-1) Waterlewend Akkuat Kategorie 1, H400; Waterlewend Kronies Kategorie 1, H410 (10 % m/v).

1,2-bensisotiasolien-3-oon (Cas no: 2634-33-5) Vel Sensitiserings 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: | <ul style="list-style-type: none"> • (ONVERDUNDE STUIFSEL) Behandel simptome. Neem die slagoffer weg van die bron van blootstelling. • Indien die slagoffer ophou asemhaal, pas kunstmatige asemhaling toe. • Dien suurstof toe as die slagoffer se asemhaling moeilik is. Kry mediese hulp. |
| VEL: | <ul style="list-style-type: none"> • Verwyder en isoleer besmette klere en gaan stort. Spoel aangetaste areas (vel) met groot hoeveelhede lopende water. Was besmette klere voor hergebruik. |
| OË: | <ul style="list-style-type: none"> • Spoel oë versigtig met skoon water vir ten minste 15 minute spoel terwyl 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: | <ul style="list-style-type: none"> • Indien ingesluk MOENIE vomering induseer nie. Laat persoon slukkies van 'n glas water neem indien in staat om te sluk. Indien vomering plaasvind, hou aan vloeistowwe gee. Kry mediese hulp. |
| NOTA AAN GENEESHEER: | <ul style="list-style-type: none"> • Daar is nie 'n spesifieke teenmiddel nie. Alle behandeling moet gebaseer word op waargenome tekens en simptome van nood by die pasiënt. |
| MOONTLIKE GESONDHEIDSGEVOLGE: | <ul style="list-style-type: none"> • Gevolge van blootstelling (inaseming, opneming of velkontak) aan stof kan vertraag wees. |

WEERSTANDSWAARSKUWING

Vir weerstandbestuur, **TUTOR 500 SC** bestaan uit groeppode (9) en (12) swamdoders. Enige populasie van 'n spesifieke swam mag individue insluit wat 'n natuurlike weerstand teen **TUTOR 500 SC** of enige ander groeppode (9) en (12) swamdoders het. Indien hierdie swamdoder herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die swampopulasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur **TUTOR 500 SC** of enige ander groeppode (9) en (12) swamdoders beheer word nie.

Om weerstand teen swamdoders te vertraag:

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

TUTOR 500 SC moet altyd as 'n voorkomende bespuiting toegedien word. Wissel **TUTOR 500 SC** toedienings af met geregistreerde middels wat nie aniline derivaat en fenilpirool bevat nie. Moet nooit 'n verwante middel in 'n program saam met **TUTOR 500 SC** gebruik nie.

WERKINGSWYSE

Pyrimethanil is 'n anilino-pirimidien (AP) swamdoder (FRAC groep 9). Die werkingswyse sluit in die inhibisie van metionienbiosintese wat sistetionien β -liase en die afskeiding van hidrolitiese ensieme beïnvloed. Dit lei ook tot die inhibisie van kiembuisverlenging by lae konsentrasies.

Fludioxonil is 'n sintetiese verbinding van die fenilpiroolgroep (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.

GBRUIKSBEPERKINGS

Weerhou om **TUTOR 500 SC** te meng met produkte wat alkaliese reaksies toon; aluminium-bevattende produkte; kalkswael; en Bordeaux mengsels.

GBRUIKSAANWYSINGS – gebruik slegs soos aangedui

VERENIGBAARHEID:

- Sien **GBRUIKSBEPERKINGS** hierbo vir meer inligting rakende verenigbaarheid en mengsels.
- Alhoewel **TUTOR 500 SC** verenigbaar is met meeste landbouchemiese middels word 'n fisiese mengbaarheidstoets altyd aanbeveel voor gebruik.

MENGINSTRUKSIES:

Maak mengtenk halfvol met skoon water. Skud die **TUTOR 500 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 en laastens emulsifiseerde konsentrate. 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 nie.

| TOEDIENINGSTABEL | | |
|--|---|---|
| GEWAS en SIEKTE | DOSIS | OPMERKINGS |
| AARBEIE Beheer van Botrytis grys-skimmel (<i>Botrytis cinerea</i>) | 300 mL/100 ℓ 1.5 ℓ TUTOR 500 SC per hektaar | <ul style="list-style-type: none"> • Dien twee (2) aanwendings voor oes toe, in 7-dae intervalle. • Verseker deeglike bedekking van loof en vrug oppervlaktes. • Dien 500 ℓ mengsel/ha toe, afhangende van groeistadium van gewas. |
| AARTAPPELS | 150 mL/100 ℓ | <ul style="list-style-type: none"> • Dien TUTOR 500 SC toe as 'n hoë volume voldekbepuiting. |

| | | |
|--|--|---|
| <p>Beheer van grys-skimmel (<i>Botrytis</i> spp.) op loof Beheer van vroeë roes (<i>Alternaria solani</i>)</p> | <p>Minimum van 750 mℓ Tutor 500 SC per hektaar</p> | <ul style="list-style-type: none"> • Dien Tutor 500 SC in 'n voorkomende swamdoder spuitprogram toe, met intervalle van 7-dae en 'n maksimum van drie (3) Tutor 500 SC aanwendings per seisoen. • Wissel Tutor 500 SC af met middels uit ander swamdoder groepkodes. • NB: Vir Botrytis beheer begin bespuitings voor die rye toe maak. • Verseker deeglike bedekking, bo-, sowel as onderkant van loof. Dien 500 ℓ mengsel/ha toe, afhangende van groeistadium van gewas. |
| <p>AVOKADO Beheer van antraknose (<i>Colletotrichum gloeosporioides</i>)</p> | <p>150 mℓ/100 ℓ</p> | <ul style="list-style-type: none"> • Dien die eerste aanwending tydens blom toe. • Dien Tutor 500 SC in 'n voorkomende spuitprogram toe saam met swamdoders van verskillende FRAC groepkodes, in 14 – 21 dae intervalle, afhangende van die kultivar en siektedruk. • Na twee (2) aanwendings van Tutor 500 SC moet dit afgewissel word met 'n swamdoder met 'n ander werkingswyse. MOENIE meer as vier (4) Tutor 500 SC aanwendings per seisoen toedien nie. • Verseker deeglike bedekking vir effektiewe beheer. • Alhoewel 'n effektiewe spuitprogram antraknose-infeksie op vrugte in die boord sal beheer, word 'n na-oes behandeling met 'n geregistreerde swamdoder sterk aanbeveel. • Moenie na vrugset toedien nie. |
| <p>BESSIES Bloubessies en Korente Beheer van Botrytis grys-skimmel (<i>Botrytis cinerea</i>) EN Onderdrukking van poeieragtige meeldou</p> | <p>100 mℓ/100 ℓ 1 ℓ Tutor 500 SC per hektaar</p> | <ul style="list-style-type: none"> • Dien vier (4) aanwendings voor-oes toe, in 7 – 21-dae intervalle. • Verseker deeglike bedekking van loof- en vrugoppervlaktes. • Dien Tutor 500 SC in 'n voorkomende swamdoder spuitprogram toe. • Dien toe in blokaanwendings, met 'n 7-dag interval tussen Tutor 500 SC bespuitings en ten minste 21-dae tussen twee blokke. • Dien 'n maksimum van vier (4) Tutor 500 SC aanwendings per gewas per seisoen toe. |
| <p>GRANATE Beheer van Botrytis bloeisel infeksies Beheer van Alternaria (<i>Alternaria alternata</i>) vrugtvrot</p> | <p>150 mℓ/100 ℓ</p> | <ul style="list-style-type: none"> • Dien Tutor 500 SC toe sodra bome begin blom, as 'n hoë volume voldekbepuiting in 1 200 – 2 000 ℓ water per hektaar, afhangende van plant hoogte. • Dien Tutor 500 SC in 'n voorkomende swamdoder spuitprogram toe, met intervalle van 14-dae • 'n Maksimum van twee (2) Tutor 500 SC aanwendings kan per seisoen aangewend word. • STAAK TUTOR 500 SC TOEDIENINGS BY EERSTE VRUGSET. |
| <p>SITRUS (Boord toediening) Botrytis bloeisel infeksies (<i>Botrytis cinerea</i>)</p> | <p>120 mℓ/100 ℓ Minimum van 3 ℓ Tutor 500 SC per hektaar</p> | <ul style="list-style-type: none"> • Dien die eerste voorkomende aanwending teen Botrytis bloeisel infeksie tydens blom toe. • Dien Tutor 500 SC in 'n voorkomende spuitprogram saam met swamdoders van verskillende FRAC groepkodes toe, in 14 – 21 dae intervalle, afhangende van die kultivar en siektedruk. Verseker deeglike spuitbedekking. • Dien Tutor 500 SC slegs een keer in die voorkomende Botrytis bloeisel infeksie spuitprogram toe. • Moenie na vrugset toedien nie. |
| <p>(Na-oes behandeling) Na-oes bederf veroorsaak deur <i>Penicillium digitatum</i> (Groenskimmel) en <i>Penicillium italicum</i> (Blouskimmel)</p> | <p>200 mℓ/100 ℓ</p> | <ul style="list-style-type: none"> • Spoel en ontsmet vrugte deeglik met Sporekill® (L7115) of ander geregistreerde produkte volgens voorgeskrewe prosedure, voor Tutor 500 SC behandeling. • Dien die Tutor 500 SC suspensie as 'n doop- of drenkbehandeling (teen kamertemperatuur of in warmwater) toe en verseker 'n kontak tyd van tenminste 2 minute met die vrugte. Gebruik slegs water teen kamertemperatuur vir die behandeling van suurlemoene: MRL sal oorskry word met 'n warmwater behandeling. Moenie vrugte na behandeling afspoel 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 200 mℓ Tutor 500 SC vir elke 100 ℓ vars water wat bygevoeg word. Vervang vuil mengsels. • Roer Tutor 500 SC mengsel konstant voor en tydens toediening om uitsakking te voorkom. • Let Wel: Tutor 500 SC word sterk aanbeveel om imazalil tolerante en weerstandbiedende <i>Penicillium</i>-populasies te beheer en te bestuur. |
| <p>STEENVRUGTE Appelkose, nektariens, perskes en pruime</p> | <p>120 mℓ per 100 ℓ water</p> | <ul style="list-style-type: none"> • Tutor 500 SC kan twee keer voor-oes as 'n hoë volume voldekbepuiting toegedien word, met 'n 14-dag interval, tot en met een (1) dag voor oes. |

| | | |
|--|---|---|
| Na-oes bederf veroorsaak deur <i>Botrytis</i> en <i>Monilinia</i> spp. Asook onderdrukking van <i>Rhizopus</i> spp. | Minimum van 2 ℓ Tutor 500 SC per hektaar | <ul style="list-style-type: none"> • Verseker dat die vrugte deeglik benat word. |
| TAFELDRUIWE EN WYNDRUIWE Botrytis bederf EN Onderdrukking van poeieragtige meeldou | 120 mℓ per 100 ℓ Minimum van 1.2 ℓ Tutor 500 SC per hektaar | <ul style="list-style-type: none"> • Dien toe as 'n hoë volume voldekbepuiting. • Tutor 500 SC kan tydens enige twee (2) van die onderstaande aanwendingstadiums toegedien word: <ol style="list-style-type: none"> 1. Vanaf volblom 2. Ertjiekorrelgrootte 3. Korrel verkleuring (deurslaan) • Volg 'n volledige spuitprogram teen Botrytis deur die aanwending van onverwante swamdoders soos IproFlo (L8213), vir die res van die toediening stadiums. • Verseker deeglike bedekking van loof. Dien 1 000 – 1 500 ℓ mengsel per hektaar toe, afhangende van groei stadium. • Sal ook Poeieragtige meeldou onderdruk onder toestande van lae siektedruk. |
| UIE Beheer van Botrytis blaarskroei (<i>Botrytis</i> spp.) EN Onderdrukking van Alternaria vlek (<i>Alternaria porri</i>) | 150 mℓ/100 ℓ 750 mℓ Tutor 500 SC per hektaar | <ul style="list-style-type: none"> • Dien Tutor 500 SC toe as 'n hoë volume voldekbepuiting. • Dien Tutor 500 SC toe in 'n voorkomende swamdoder spuitprogram, met intervalle van 14 dae, en 'n maksimum van drie (3) Tutor 500 SC toedienings per seisoen. • Wissel Tutor 500 SC af met middels uit ander swamdoder groepkodes. • Verseker deeglike bedekking van loof. • Dien 500 ℓ mengsel/ha toe, afhangende van groeistadium van gewas. |
| VRUGDRAENDE GROENTE Soetrissies en Tamaties Beheer van poeieragtige meeldou (<i>Leveillula</i> spp.) | 150 mℓ/100 ℓ | <ul style="list-style-type: none"> • Dien Tutor 500 SC as 'n hoë volume voldekbepuiting toe. • Dien Tutor 500 SC in 'n voorkomende swamdoder spuitprogram toe, met intervalle van 7-dae en 'n maksimum van drie (3) Tutor 500 SC aanwendings op vrugte. • Wissel Tutor 500 SC met swamdoders vanuit ander groepkodes. • Verseker deeglike bedekking van loof. |

Sporekill® (Reg. Nr. L7115, Wet 36 van 1947) is 'n geregistreerde produk van ICA International Chemicals.
IproFlo (Reg. Nr. L8213, Wet 36 van 1947) is 'n geregistreerde produk van ICA International Chemicals.

SANB-Tutor007