

NATURAFEND® 550 SP

Act No. 36 of 1947 / Wet Nr. 36 van 1947
SA Reg. No. L11632

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

GROUP	NC	FUNGICIDE
GROUP	UNE	INSECTICIDE

PRODUCT INFO:

A water-soluble powder for managing insect pests and diseases on crops listed.

PRODUK INFO:

'n Wateroplosbare poeier vir die bestuur van insekplae en siektes op gewasse soos gelys.

HAZARD STATEMENTS:

Toxic to aquatic life.

PRECAUTIONARY STATEMENTS:

Wear protective, eye and face protection.
Wash hands and exposed skin thoroughly after handling. Do not touch eyes.

Active Ingredient / Aktiewe Bestanddeel

L-Phenylalanine (amino acid) 550 g/kg L-Fenielalanien (amino suur)

Net (kg) 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
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

UN No. Not regulated

LP-001-001



What is
GHS?



NATURAFEND 550 SP

Act. No. 36 of 1947 / Act No. 16 von 1947
 SR Reg. No. 117152
 READ ATTACHED PACKAGING LABELS BEFORE USE
 KEEP OUT OF REACH OF CHILDREN AND ANIMALS

GROUP	INC.	FUNICIDE
LINE		INSECTICIDE

PRODUCT INFO:
 A water-soluble powder for treating stored
 cereals and pulses in grain bins.

HAZARD STATEMENTS:
 Toxic to aquatic life.

PRECAUTIONARY STATEMENTS:
 Keep container and its contents
 away from children and animals.
 Do not breathe dust.

Active Ingredient / Aktive Bestandteile
 L-Phenylalanine (amino acid) 550 g/kg L-Fenylalanin (Aminosäure)

Net (kg) SEE CONTAINER

ICA
 International Chemical Corporation, Inc. 20000 10th Avenue
 Houston, Texas 77058-1000, USA
 Tel: +1 281 462 1000
 Fax: +1 281 462 1001
 Email: ica@icacorp.com
 Website: www.icacorp.com
 Date of Manufacture: SEE CONTAINER
 Expiry Date: SEE CONTAINER
 In case of poisoning call Poison Control Center 1-800-422-6247
 Emergency number: Call your local health authority



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NATURAFEND® 550 SP

Act No. 36 of 1947
SA Reg. No. L11632

A water-soluble powder for managing insect pests and diseases on crops listed.

ACTIVE INGREDIENTS:

L-Phenylalanine (amino acid) 550 g/kg

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

Toxic to aquatic life

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

There is no withholding period as **NATURAFEND® 550 SP** can be applied up to and including the day of harvest.

If the crop to be treated is intended for export, consult the relevant importer or exporting body regarding the use of this product and recommended withholding periods. Although **NATURAFEND® 550 SP** 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. **NATURAFEND® 550 SP** must be tested on new cultivars prior to usage over big areas.

RE-ENTRY INTERVAL: Do not enter the treated area until the spray deposit is dry.

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 pest or 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.
Keep out of reach of children.
Read carefully and follow all instructions.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye and face protection.
Wash hands and face thoroughly after handling. Do not touch eyes.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do - continue rinsing.
Dispose of contents and container in accordance with national regulations.

TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS: Shake all the product out of the container into the spray or mixing tank. Thereafter, rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler (www.croplife.co.za). Do not bury, burn, or donate the container to any other parties that may use it as a container for food or beverages.

RELEVANT SUBSTANCES:

Polyoxyethylene Lauryl Ether (Cas no: 68439-50-9) Eye Irritation Category 2, H319; Aquatic Acute Category 1, H400; Aquatic Chronic 3 H412 (< 10 % w/w).

FIRST AID TREATMENT

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 the victim to fresh air, if it can be done safely, and keep comfortable. If the 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 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.
 - 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.
 - Rinse mouth and have person sip a glass of water if able to swallow.
 - Never give anything by mouth to an unconscious person.
 - If vomiting does occur, keep on giving fluids. Get emergency medical help immediately.
- NOTE TO PHYSICIAN:**
- No adverse effects expected if inhaled, ingested or by dermal contact. There is no specific antidote. All treatments should be based on observed signs and symptoms of distress in the patient.

POTENTIAL HEALTH EFFECTS, ACUTE AND DELAYED:

- Effects of exposure (inhalation, ingestion, or skin contact) to substances may be delayed.

RESISTANCE WARNING

For resistance management: NATURAFEND® 550 SP is a plant defence inducer (FRAC code NC and IRAC code UNE). Any fungal and insect population may contain individuals naturally resistant to **NATURAFEND® 550 SP**. The resistant individuals can eventually dominate the fungal and insect population if the product is used repeatedly. These resistant fungi and insects may then not be controlled by **NATURAFEND® 550 SP**. Integrate other forms of control methods (chemical, cultural, biological) into control programmes.

DIRECTIONS FOR USE – use only as directed

PRODUCT INFORMATION:

NATURAFEND® 550 SP is a plant defense inducer for the management of certain pests' infestations and plant diseases. For maximum effectiveness, apply **NATURAFEND® 550 SP** prior to or in the very early stages of infestation/infection. **NATURAFEND® 550 SP** is most effectively used in preventive management programmes. Under conditions conducive to heavy pest and disease pressure, it is advisable to apply **NATURAFEND® 550 SP** in a management programme with other registered products.

COMPATIBILITY:

Although **NATURAFEND® 550 SP** 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. Add the require amount of **NATURAFEND® 550 SP** to the tank, agitate the tank for 5 to 10 minutes. Pre-mix any other product(s) to be tank mixed separately in at least 10 liters of water. 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. **TANK MIXTURES MUST BE SPRAYED OUT IMMEDIATELY AND NOT ALLOWED TO STAND IN THE SPRAY TANK OVERNIGHT.** Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

GROUND APPLICATION:

- Ensure that the equipment is correctly calibrated and is checked regularly to ensure even and accurate application.
- Distribution of the spray mixture must be uniform throughout the target area. Do not let the spray overlap as this can lead to crop damage.
- The distribution of the spray should be uniform throughout the target area, ensuring good coverage of the whole plant (including the stems and leaves) by using sufficient water and suitable spraying equipment. Do not apply through any ultra-low volume (ULV) spray system.
- Repeat the application if it rains within two (2) hours after application.

APPLICATION TABLE

CROP and DISEASE/PEST	DOSAGE	REMARKS
AVOCADOS Suppression of: Anthracoze on fruit <i>(Colletotrichum gloeosporioides)</i>	180 g/100 ℓ water + Registered adjuvant ¹	<ul style="list-style-type: none"> ▶ The application of NATURAFEND® 550 SP within a preventative management programme is recommended, with the application of a postharvest fungicide as the final treatment. ▶ Apply the first application of NATURAFEND® 550 SP at beginning of flowering and repeat in 14-day intervals until end of flowering, when fruit set is visible (four applications). ▶ Apply an application of NATURAFEND® 550 SP 10 – 14 days before harvest. ▶ NATURAFEND® 550 SP is a plant defence inducer with preventative, not curative action, inducing the plant resistance against disease infestation. ▶ In the trials, anthracnose suppression of > 64 % was achieved on fruit evaluated after postharvest storage.
GRAPES Control of: Botrytis bunch rot (grey mould) <i>(Botrytis cinerea)</i>	242 g/100 ℓ water + Registered adjuvant if required ¹ Spray Volumes per ha Pre-blossom stage: <u>Wine grapes:</u> 300 – 750 ℓ <u>Table grapes:</u> 500 – 1000 ℓ Blossom to pea-berry stage: <u>Wine grapes:</u> 750 – 1000 ℓ	<ul style="list-style-type: none"> ▶ Apply the first application of NATURAFEND® 550 SP preventatively. ▶ Effective preventative control of botrytis and powdery mildew and suppression of thrips should be maintained by regular NATURAFEND® 550 SP applications in a management programme. ▶ Regular scouting for disease/pest presence or damage is required. If symptoms/pest should increase, change to a curative chemical control programme. ▶ NATURAFEND® 550 SP is a plant defence inducer with preventative, not curative action, inducing the plant resistance against disease/pest infestation. <hr/> <ul style="list-style-type: none"> ▶ Apply the first NATURAFEND® 550 SP application during 50 % flowering. ▶ Second application before bunch closure. ▶ Third application at veraison (change of colour). ▶ Fourth application from two weeks before harvest.

	<p><u>Table grapes:</u> 1000 – 1500 ℓ</p> <p>Pea-berry to harvest stage: <u>Wine grapes:</u> 1000 – 1500 ℓ <u>Table grapes:</u> 1000 – 1500 ℓ</p>	<ul style="list-style-type: none"> ▶ It is advisable to include one or two applications with an alternative fungicide.
<p>Control of: Powdery mildew <i>(Erysiphe necator)</i></p>		<ul style="list-style-type: none"> ▶ Apply the first NATURAFEND® 550 SP application preventatively. ▶ Apply NATURAFEND® 550 SP every 10 days.
<p>Suppression of: Western flower thrips <i>(Frankliniella occidentalis)</i></p>		<ul style="list-style-type: none"> ▶ Thrips presence and resulting damage on grapes usually occur at early flowering to shortly after flowering. ▶ Apply the first NATURAFEND® 550 SP thrip application just before or at early flowering. ▶ Apply the second NATURAFEND® 550 SP application 7-days later. ▶ In vineyard trials, fruit damage incidence suppression of > 78 % was achieved.
<p>MANGOES</p> <p>Control of: Soft brown rot/Stem-end decay on fruit <i>(Botryosphaeria spp.)</i></p> <p>Suppression of: Anthraco nose on fruit <i>(Colletotrichum gloeosporioides)</i></p>	<p>180 g/100 ℓ water</p> <p style="text-align: center;">+</p> <p>Registered adjuvant²</p>	<ul style="list-style-type: none"> ▶ Apply NATURAFEND® 550 SP within a preventative management programme, with the application of a postharvest fungicide as the final treatment. ▶ Orchard applications of NATURAFEND® 550 SP will control decay caused by <i>Botryosphaeria</i> spp. and suppress anthracnose. ▶ Apply the first application of NATURAFEND® 550 SP at beginning of flowering and repeat four (4) weeks later. ▶ Follow a copper spray programme for the rest of the season. ▶ Apply NATURAFEND® 550 SP a week (7 – 10 days) before harvest. ▶ Apply in an appropriate water volume to ensure good coverage. ▶ NATURAFEND® 550 SP is a plant defence inducer with preventative, not curative action, inducing the plant resistance against disease. ▶ In orchard trials, anthracnose suppression of > 71 % and soft brown rot/stem-end decay control of > 76 % was achieved on fruit evaluated after postharvest storage.
<p>TOMATOES</p> <p>Suppression of: Tomato leaf miner <i>(Tuta absoluta syn. Phthorimaea absoluta)</i></p>	<p>180 g/100 ℓ water</p> <p style="text-align: center;">+</p> <p>Registered adjuvant¹</p>	<ul style="list-style-type: none"> ▶ Apply the first NATURAFEND® 550 SP application at the very first signs of the pest, or if historic data is available, before the pest is expected. ▶ NATURAFEND® 550 SP is a plant defence inducer with preventative, not curative action, inducing the plants resistance against the pest. ▶ Apply at 7- or 8-day intervals in a block of four (4) applications. ▶ Apply in a preventative management programme with products from different mode of action groups. ▶ Scout the fields thoroughly every few days for crop damage caused by the pest. As soon as there is an increase in foliar and fruit damage by the pest, use chemicals with a different mode of action. ▶ Apply in appropriate water volume to ensure good coverage. ▶ In field trials, control of up to 98 % was achieved under optimum conditions.

Consult the individual product labels for **USE RESTRICTIONS, WARNINGS** (including **RESISTANCE WARNINGS**), **PRECAUTIONS** and **DIRECTIONS FOR USE**.

1 Polyether-poly-methyl siloxane adjuvant

2 Paraffinic white mineral oil adjuvant

NATURAFEND® 550 SP

Wet Nr. 36 van 1947
SA Reg. No. L11632

'n Wateroplosbare poeier vir die bestuur van insekplae en siektes op gewasse soos gelys.

AKTIEWE BESTANDDEEL:

L-Fenielalanien (aminosuur) 550 g/kg

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

WAARSKUWINGS

Giftig vir waterlewende organismes

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

Daar is geen onthoudingsperiodes nie aangesien **NATURAFEND® 550 SP** tot en met die dag van oes toegedien kan word.

Indien die gewas wat behandel moet word vir uitvoer bestem is, raadpleeg die relevante in- of uitvoerder rakende die gebruik van hierdie produk en aanbevole onthoudingsperiodes. Alhoewel **NATURAFEND® 550 SP** as gewasveilig beskou word op die meeste van die belangrike kultivars, beteken dit nie dat daar in die toekoms 'n meer sensitiewe kultivar beskikbaar mag wees nie. **NATURAFEND® 550 SP** moet eers op nuwe kultivars getoets word voordat dit oor groot areas aangewend word.

HERBETREDINGSINTERVAL: Moet nie behandelde gebied betree alvorens die spuitneerslag droog is nie.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie, aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander produkte wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die plaag of siekte 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

Indien mediese advies nodig word, hou die produkhouer of -etiket byderhand.

Hou buite bereik van kinders.

Lees sorgvuldig en volg alle instruksies.

Vermynystelling in die omgewing.

Dra beskermende handskoene, beskermende klere, oog- en gesigbeskerming.

Was hande en gesig deeglik na hantering. Moet nie aan oë raak nie.

INDIEN IN OË: Spoel versigtig met water vir etlike minute. Verwyder kontaklense indien aanwesig en maklik om te verwyder. Hou aan met spoel.

Raak ontslae van inhoud en houer in ooreenstemming met nasionale regulasies.

SPOEL DIE LEË HOUER DRIE MAAL SOOS VOLG: Skud al die produk uit die houer in die spuit- of mengtenk. Spoel daarna die leë houer drie keer uit met vars water, teen 'n kwart van die houer se volume, en giet die spoelwater in die spuit- of mengtenk. Kap gate in die drie keer gespoelde houer, waarna dit aan 'n goedgekeurde versamelaar of verwerker oorhandig moet word (www.croplife.co.za). Moenie die houer begrawe, verbrand of aan enige ander partye skenk wat dit as houer vir voedsel of drinkgoed mag gebruik nie.

RELEVANTE STOWWE:

Polioksiëteleen-lourieleter (Cas no: 68439-50-9) Oog Irritasie Kategorie 2, H319; Waterlewend Akute Kategorie 1, H400; Waterlewend Kronies Kategorie 3, H412 (< 10 % m/m).

NOODHULPBEHANDELING

In geval van 'n ongeluk of as jy onwel voel, verkry onmiddellik mediese advies en wys hierdie ETIKET waar moontlik.

INASEMING:

- 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.

VEL:

- Dien suurstof toe as die slagoffer se asemhaling moeilik of onreëlmatig is. Verkry mediese hulp.
- Verwyder en isoleer besmette klere, skoene en leergoedere dadelik en stort.
- Spoel aangetaste areas (vel) onmiddellik 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.
- Hou aan spoel terwyl ooglede van mekaar gehou word. Kry mediese hulp indien irritasie voortduur.

OPNEMING:

- Indien ingesluk, MOENIE vomering induseer nie, tensy 'n gifsentrum of dokter opdrag gee om dit te doen.
- Spoel mond uit en laat die persoon slukkies water neem indien dit moontlik is om te sluk.
- Moet nooit iets per mond aan 'n bewustelose persoon gee nie.

NOTA AAN GENEESHEER:

- Indien die persoon wel vomeer, hou aan om vloeistowwe te gee. Verkry dadelik mediese hulp.
- Geen nadelige gevolge word vermag indien ingeasem, ingeneem of deur dermale kontak nie. Daar is geen spesifieke teenmiddel nie. Alle behandeling moet gebaseer wees op waargenome tekens en simptome van nood by die pasiënt.

MOONTLIKE GESONDHEIDSGEVOLGE, AKUUT EN VERTRAAGD:

- Effek van blootstelling (inaseming, inname of velkontak) kan vertraag wees.

WEERSTANDSWAARSKUWING

Vir weerstandsbestuur: **NATURAFEND® 550 SP** is 'n plantverdedigingsinduseerder (FRAC-kode NC en IRAC-kode UNE). Enige swam- en insekpopulasie mag individue bevat wat 'n natuurlike weerstand teen **NATURAFEND® 550 SP** het. Die weerstandbiedende individue kan uiteindelik die swam- en insekpopulasie oorheers as die produk herhaaldelik gebruik word. Hierdie weerstandbiedende swamme en insekte sal dan nie deur **NATURAFEND® 550 SP** beheer word nie. Integreer ander vorme van beheermetodes (chemies, kultureel, biologies) in beheerprogramme.

GEBRUIKSAANWYSINGS – gebruik slegs soos aangedui**PRODUKINLIGTING:**

NATURAFEND® 550 SP is 'n plantverdedigingsinduseerder vir die bestuur van sekere insekpeste en plantsiektes. Vir maksimum doeltreffendheid, dien **NATURAFEND® 550 SP** toe voor of in die baie vroeë stadiums van infestasië/infeksie. **NATURAFEND® 550 SP** word die doeltreffendste gebruik in voorkomende bestuursprogramme. Onder toestande wat bevorderlik is vir hoë plaag- en siektedruk, is dit raadsaam om **NATURAFEND® 550 SP** in 'n bestuursprogram met ander geregistreerde produkte te gebruik.

VERENIGBAARHEID:

Alhoewel **NATURAFEND® 550 SP** verenigbaar is met die meeste landbouchemikalieë, word 'n fisiese verenigbaarheidstoets (fles toets) altyd aanbeveel voor toediening.

MENGINSTRUKSIES:

Vul die spuittenk met skoon water tot halfvol. Meet die korrekte hoeveelheid **NATURAFEND® 550 SP** en voeg by die water in die spuittenk, roer vir 5 tot 10 minute. Meng enige ander produkte wat in die tenkmengsel moet kom afsonderlik in ten minste 10 liter water. Terwyl die spuittenkwater geroer word, voeg die voorafgemengde produk(te) in die volgende volgorde by: benatbare poeiers, wateroplosbare 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 tydens toediening. **AANGEMAAKTE SPUITMENGSELS MOET ONMIDDELLIK GEBRUIK WORD EN NIE OORNAG IN DIE SPUITENK STAAN NIE.** Spuittoerusting moet deeglik gespoel word aan die einde van die toediening.

GRONDOEDIENING:

- Verseker dat die toerusting korrek gekalibreer is en gereeld nagegaan word om te verseker dat die toediening eweredig en akkuraat is.
- Die verspreiding van die spuitmengsel moet eweredig deur die teikenarea wees. Moet nie dat die toedienings oorvleuel nie, aangesien dit tot gewasskade kan lei.
- Die verspreiding van die spuitmengsel moet eweredig oor die teikenarea versprei wees, en goeie bedekking van die hele plant (insluitend die stingels en blare) verseker deur voldoende water en geskikte spuittoerusting te gebruik. Moet nie met behulp van enige ultra-lae volume (ULV) spuitsisteme toedien nie.
- Herhaal die toediening as dit binne twee (2) uur na toediening reën.

TOEDIENINGSTABEL

GEWAS en SIEKTE/PES	DOSIS	AANBEVELINGS
AVOKADO'S <u>Onderdrukking van:</u> Antraknose op vrugte <i>(Colletotrichum gloeosporioides)</i>	180 g/100 ℓ water + Geregistreerde benatter ¹	<ul style="list-style-type: none"> ▶ Die toediening van NATURAFEND® 550 SP word aanbeveel as deel van 'n voorkomende bestuursprogram, met die toediening van 'n na-oes swamdoder as die finale behandeling. ▶ Dien die eerste NATURAFEND® 550 SP bespuiting aan die begin van blom toe en herhaal elke 14 dae tot die einde van die blom-stadium, wanneer vrugset sigbaar is (vier toedienings). ▶ Dien 'n bespuiting van NATURAFEND® 550 SP 10 – 14 dae toe voor oes. ▶ NATURAFEND® 550 SP is 'n plantverdedigingsinduseerder met 'n voorkomende, nie-kuratiewe aksie, wat die plantweerstand teen infeksie induseer. ▶ In proewe is antraknose onderdrukking van > 64 % behaal op vrugte wat na opberging geëvalueer is.
MANGO'S <u>Beheer van:</u> Sagte bruinvrot/Stingel-ent vrot op vrugte <i>(Botryosphaeria spp.)</i> <u>Onderdrukking van:</u> Antraknose op vrugte	180 g/100 ℓ water + Geregistreerde benatter ²	<ul style="list-style-type: none"> ▶ Die toediening van NATURAFEND® 550 SP word aanbeveel as deel van 'n voorkomende bestuursprogram, met die toediening van 'n na-oes swamdoder as die finale behandeling. ▶ Boord toedienings van NATURAFEND® 550 SP sal vrugbederf, wat veroorsaak word deur <i>Botryosphaeria</i> spp. beheer, en antraknose onderdruk. ▶ Dien die eerste bespuiting van NATURAFEND® 550 SP aan die begin van blom toe en herhaal vier (4) weke later. ▶ Volg 'n koper spuitprogram vir die res van die seisoen.

<p>(<i>Colletotrichum gloeosporioides</i>)</p>		<ul style="list-style-type: none"> ▶ Dien NATURAFEND® 550 SP 'n week (7 – 10 dae) voor oes toe. ▶ Dien in 'n gepaste watervolume toe om goeie bedekking te verseker. ▶ NATURAFEND® 550 SP is 'n plantverdedigingsinduseerder met 'n voorkomende, nie-kuratiewe werking, wat die plantweerstand teen infeksie induseer. ▶ In boordproewe is > 71 % onderdrukking van antraknose en > 76 % beheer van sagte bruinvrot/stingel-ent vrot op vrugte, wat na opberging geëvalueer is, verkry.
<p>TAMATIES</p> <p>Onderdrukking van: Tamatie blaarmyner <i>(Tuta absoluta</i> sin. <i>Phthorimaea absoluta</i>)</p>	<p>180 g/100 ℓ water</p> <p style="text-align: center;">+</p> <p>Geregistreeerde benatter¹</p>	<ul style="list-style-type: none"> ▶ Dien die eerste NATURAFEND® 550 SP bespuiting met die heel eerste tekens van die pes toe, of indien historiese data beskikbaar is, voordat die pes verwag word. ▶ NATURAFEND® 550 SP is 'n plantverdedigingsinduseerder met 'n voorkomende, nie-kuratiewe werking, wat die plantweerstand teen die pes induseer. ▶ Dien met 7- of 8-dag intervale in 'n blok van vier (4) bespuitings toe. ▶ Dien toe in 'n voorkomende bestuursprogram tesame met produkte met verskillende werkingswyses. ▶ Monitor die landerye elke paar dae deeglik vir gewasskade wat deur die pes veroorsaak word. Sodra daar 'n toename in blaar- en vrugskade is, gebruik chemikalieë met 'n ander werkingswyse. ▶ Dien in 'n gepaste watervolume toe om goeie bedekking te verseker. ▶ In veldproewe is daar beheer van tot 98 % onder optimale toestande behaal.
<p>WINGERD</p> <p>Beheer van: Botrytis (grysskimmel) <i>(Botrytis cinerea)</i></p> <p>Beheer van: Poeieragtige meeldou <i>(Erysiphe necator)</i></p> <p>Onderdrukking van: Blaaspootjies <i>(Frankliniella occidentalis)</i></p>	<p>242 g/100 ℓ water</p> <p style="text-align: center;">+</p> <p>Geregistreeerde benatter indien benodig¹</p> <p>Volume spuitmengsel per ha</p> <p>Voor-blofstadium: <u>Wyndruiwe:</u> 300 – 750 ℓ <u>Tafeldruiwe:</u> 500 – 1000 ℓ</p> <p>Blom- tot ertjiekorrelstadium: <u>Wyndruiwe:</u> 750 – 1000 ℓ <u>Tafeldruiwe:</u> 1000 – 1500 ℓ</p> <p>Ertjiekorrel- tot oesstadium: <u>Wyndruiwe:</u> 1000 – 1500 ℓ <u>Tafeldruiwe:</u> 1000 – 1500 ℓ</p>	<ul style="list-style-type: none"> ▶ Dien die eerste bespuiting van NATURAFEND® 550 SP voorkomend toe. ▶ Effektiewe beheer van botrytis en poeieragtige meeldou sowel as onderdrukking van blaaspootjies moet gehandhaaf word deur gereelde NATURAFEND® 550 SP toedienings in 'n voorkomende bestuursprogram. ▶ Gereelde inspeksie/monitering vir siektes/pes-teenwoordigheid of skade is nodig. As simptome/peste toeneem, verander na 'n kuratiewe chemiese beheerprogram. ▶ NATURAFEND® 550 SP is 'n plantverdedigingsinduseerder met voorkomende, nie-kuratiewe aksie, wat die plantweerstand teen siekte/plaagskade induseer. <hr/> <ul style="list-style-type: none"> ▶ Dien die eerste NATURAFEND® 550 SP bespuiting toe tydens 50 % blom. ▶ Tweede toediening voor trossluiting. ▶ Derde toediening by <i>veraison</i> (kleurverandering). ▶ Vierde toediening twee weke voor oes. ▶ Dit is raadsaam om een of twee toedienings met 'n alternatiewe swamdoder in te sluit. <hr/> <ul style="list-style-type: none"> ▶ Dien die eerste NATURAFEND® 550 SP bespuiting voorkomend toe. ▶ Dien NATURAFEND® 550 SP elke 10 dae toe. <hr/> <ul style="list-style-type: none"> ▶ Blaaspootjies kom gewoonlik vanaf vroeë blomtyd tot kort ná blomtyd voor en veroorsaak dan skade op druiwe. ▶ Dien die eerste NATURAFEND® 550 SP bespuiting teen blaaspootjies net voor of tydens vroeë blom toe. ▶ Dien die tweede NATURAFEND® 550 SP bespuiting 7 dae later toe. ▶ In wingerdproewe is > 78 % onderdrukking van die voorkoms van vrugskade verkry.

Raadpleeg die individuele produketikette vir **GEBRUIKSBEPERKINGS, WAARSKUWINGS** (insluitend **WEERSTANDWAARSKUWINGS**), **VOORSORGMATREËLS** en **GEBRUIKSAANWYSINGS**.

1 Poliëter-poli-metiel siloksaan-benatter

2 Paraffien-wit mineraalolie-benatter