



SPHINX[®] EXTRA WG

Reg. no. L9294 Act/Wet 36 of/van 1947

A preventive contact translaminar water dispersible granule fungicide for the control of downy mildew on table and wine grapes. 'n Voorkomende kontak en translaminêre waterdispergeerbare korrel swamdoder vir die beheer van donsige skimmel op tafel- en wyndruive.

FRAC FUNGICIDE GROUP CODE **40 & M4** **FRAC SWAMDODERGROEPKODE**

ACTIVE INGREDIENT/AKTIEWE BESTANDEEL

dimethomorph (cinnamic acid amids) 113 g/kg dimetomorf (kinnamieksuuramied)
folpet (phthalimides) 600 g/kg folpet (ptalimied)

NET MASS/NETTO MASSA

..... kg

REGISTRATION HOLDER/REGISTRASIEHOUER

ADAMA South Africa (Pty.) Ltd.

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SPHINX[®] is a registered trademark of a company of the ADAMA GROUP.
SPHINX[®] is 'n geregistreerde handelsmerk van 'n maatskappy van die ADAMA GROEP.

CONTACT IN EMERGENCY/KONTAK IN NOOD

Griffon Poison Information Centre: +27 82 446 8946

Tygerberg Poison Information Centre: +27 861 555 777

Batch number
Date of Manufacture

Lotnommer
Datum van Vervaardiging

UN no.: 3077



**CAUTION
VERSIGTIG**



WARNINGS

Withholding periods (minimum number of days between last application and harvest or feeding):

Table and wine grapes 56 days

The local maximum residue levels (MRLs) will not be exceeded if **SPHINX® EXTRA WG** is used according to the label instructions. However, ADAMA South Africa (Pty.) Ltd. cannot be held responsible if MRLs of other countries are exceeded. Consult the local export marketing bodies regarding application timing, withholding periods and specific tolerances of countries where produce will be exported to.

- Handle with care.
- Harmful if swallowed.
- Very toxic to aquatic organisms.
- Irritating to eyes.
- May cause sensitization by skin contact.
- Store in original container in a cool, dry, well ventilated place away from direct sunlight.
- Store away from food, feedstuffs, seed and fertilizers.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.

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 humans or animals 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

- Avoid inhaling spray mist.
- Always wear protective clothing when handling concentrate product.
- Wash with soap and water after use or accidental skin contact.
- In case of eye contact, rinse eyes with clean running water for at least 15 minutes.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke while mixing, applying or before washing hands and face.
- Avoid drift of spray mist to other crops, grazing, rivers, dams and areas not under treatment.
- Clean spray equipment after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.

- All empty bags to be destroyed through burning should be completely empty. Do not allow humans and animals to come in contact with the smoke and/or fumes.
- Prevent contamination of food, feed, drinking water and eating utensils.

RESISTANCE WARNING

For the purpose of resistance management, **SPHINX® EXTRA WG** is classified as a mixture of FRAC group code 40 and M4 fungicides. Any fungus population may contain individuals naturally resistant to **SPHINX® EXTRA WG** and other group code 40 and M4 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **SPHINX® EXTRA WG** or any other group code 40 and M4 fungicide.

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.
- For tank mixing or alternation with products in other fungicide group codes, refer to applicable individual product labels.
- Integrate the control methods (chemical, cultural, biological) into fungicide control programmes.

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

DIRECTIONS FOR USE

Use only as indicated.

Compatibility

It is advisable to always carry out a physical compatibility test prior to application when **SPHINX® EXTRA WG** is tank mixed with other pesticides.

Mode of action

SPHINX® EXTRA WG is a combination fungicide consisting of dimethomorph and folpet, and both with different modes of action. No cross resistance has been observed and it is improbable that it can be expected. Dimethomorph, a translaminar product with local systemic properties, disrupts fungal cell-wall formation, reduces re-infestation through its anti-sporulation activity and has also exhibited some curative activity. Folpet has a contact action and is therefore a protective fungicide. It binds to the sulphur-hydrogen bonds and interferes with the respiration process. **SPHINX® EXTRA WG** is best applied as a prophylactic treatment.

Mixing instructions

Fill the spray tank with water up to three quarter level. Add the required volume of **SPHINX® EXTRA WG** to at least 10 L of water ensuring that all granules are dissolved before adding to the spray tank while agitating. When **SPHINX® EXTRA WG** is tank mixed with other products, first mix these products separately with water before it is added to spray tank. Refer to the labels of the products **SPHINX® EXTRA WG** is tank mixed and adhere to the label instructions. Fill the spray tank with water to the required level while continuously agitating. Do not allow tank mixture to settle or leave overnight.

APPLICATION

SPHINX® EXTRA WG can be applied by any suitable medium- or high-volume applicator, provided it is correctly calibrated, has efficient agitation mechanism and is able to distribute the spray mixture evenly over the target area.

Apply **SPHINX® EXTRA WG** in a protective spray program. **SPHINX® EXTRA WG** should be applied during early part of season when plants are actively growing and also to give protection to the flowering and fruit formation stages which are critical.

APPLICATION RATES

CROP AND TARGET	DOSAGE	REMARKS
Table and wine grapes Downy mildew (<i>Plasmopara viticola</i>)	200g/100 L water	Apply as a <u>preventative treatment</u> . Start first spray when shoots are 100 mm long and follow up with applications every 10 to 14 days, up to beginning of January. <u>Do not apply later than beginning of January.</u> NO APPLICATIONS SHOULD BE MADE TO TABLE GRAPES AFTER PEA-BERRY SIZE. SPHINX® EXTRA WG can also be applied in a protective programme with protective fungicides from different chemical groups.

WAARSKUWINGS

Onthoudingsperiodes (minimum aantal dae tussen laaste toediening en oes of weiding):

Tafel- en wyndruiwe 56 dae

Die plaaslike maksimum residuvlakke (MRV's) sal nie oorskry word nie indien **SPHINX® EXTRA WG** volgens etiketaanbevelings gebruik word. ADAMA South Africa (Pty.) Ltd. kan egter nie verantwoordelik gehou word indien MRV's van ander lande oorskry sou word nie. Skakel met die plaaslike uitvoerorganisasies rakende tyd van toediening, onthoudingsperiodes en spesifieke toleransievereistes van lande waarheen produkte uitgevoer gaan word.

- Hanteer versigtig.
- Skadelik indien ingesluk word.
- Baie giftig vir akwatiese organismes.
- Irriterend vir die oë.
- Velkontak mag sensitisering veroorsaak.
- Berg in die oorspronklike houër in 'n koel, droë goed geventileerde plek weg van direkte sonlig.
- Stoor weg van voedsel, voer, saad en misstowwe.
- Hou buite bereik van kinders, oningeligte persone en diere.
- **Herbetreding:** Moet nie die behandelde gebied betree voor die spuitstof droog is nie tensy beskermende klere gedra 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. Die werking en doeltreffendheid daarvan kan beïnvloed word deur faktore soos abnormale grond, klimaats- en bergingstoestande, kwaliteit van die verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui word nie en die voorkoms van weerstand van die swamme teen die betrokke middel sowel as die tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei en die omgewing of nadelige invloede op mense of diere of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van versuim van die gebruiker om 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 die geval van enige onsekerheid.

VOORSORGMATREËLS

- Vermoed die inaseming van die sproeiwater.
- Dra altyd beskermende oorklere wanneer gekonsentreerde produk hanteer word.
- Was met seep en water na gebruik en na kontak met die vel.
- In geval van oogkontak spoel dadelik uit met skoon lopende water vir 15 minute.
- Was besoedelde klere na gebruik.
- Moet nie eet, drink of rook terwyl produk vermeng of toegedien word of voordat hande en gesig gewas is nie.
- Verhoed dat die spuitwater wegdryf oor ander gewasse, weiding, riviere, damme en gebiede wat nie behandel moet word nie.

- Maak spuitapparaat skoon na gebruik en gooi waswater weg waar dit nie gewasse, weiding, riviere of damme sal besoedel nie.
- Alle leë sakke wat deur brand vernietig word moet heeltemal leeg wees. Mense en diere moet nie in aanraking met rook of dampe kom nie.
- Verhoed besoedeling van voedsel, voer, drinkwater en eetgerei.

WEERSTANDSWAARSKUWING

Vir doe doel van weerstandsbestuur is **SPHINX® EXTRA WG** geklassifiseer as 'n mengsel van FRAC groepkodes 40 en M4 swamdoders. Enige swampopulasie mag individue bevat wat 'n natuurlike weerstand teen **SPHINX® EXTRA WG** en ander groepkodes 40 en M4 swamdoders het. Die weerstandbiedende individue kan uiteindelik die swampopulasie oorheers as hierdie swamdoders herhaaldelik gebruik word. Hierdie weerstandbiedende swamme mag dalk nie deur **SPHINX® EXTRA WG** of ander groepkodes 40 en M4 swamdoders beheer word nie.

Om swamdoderweerstand te vertraag:

- Vermyn die uitsluitlike herhaalde gebruik van swamdoders van dieselfde swamdodergroepkode. Wissel af, of gebruik in tenkmengsels met middels van ander groepkodes.
- Indien van tenkmengsels gebruik gemaak word of met ander produkte afgewissel word, moet na die etikette van die ander individuele produkte verwys word.
- Integreer beheermetodes (chemiese, bewerking, biologies) in swamdoder beheerprogramme.

Vir meer spesifieke inligting rakende weerstandsbestuur, skakel die registrasiehouer van hierdie produk.

GEBRUIKSAANWYSINGS

Gebruik alleenlik soos aangedui.

Verenigbaarheid

Dit word aanbeveel dat 'n fisiese verenigbaarheidstoets gedoen word voor bespuiting indien tenkmengsels met **SPHINX® EXTRA WG** gemaak gaan word.

Meganisme van werking

SPHINX® EXTRA WG is 'n swamdoder wat bestaan uit 'n kombinasie van dimetomorf en folpet, beide met verskillende werksywyses. Geen kruisweerstand tussen die twee aktiewes is al waargeneem nie. Dimetomorf is 'n translaminêre swamdoder met lokale sistemiese eienskappe. Dit ontwig die vorming van selwande, verminder herbesmetting as gevolg van anti-spoor aktiwiteit asook deur beperkte genesende eienskappe. Folpet is 'n kontakswamdoder met 'n beskermende werking. Die beste resultate sal verkry word indien **SPHINX® EXTRA WG** toegedien word as 'n profilaktiese behandeling.

Menginstruksies

Vul die spuitenk driekwart met water. Meng die benodigde hoeveelheid **SPHINX® EXTRA WG** vooraf met ten minste 10 L water. Maak seker dat alle korrels opgelos is voordat dit by die spuitenk gevoeg word. Roer die inhoud van die spuitenk voortdurend terwyl die voorafmengsel bygevoeg word. Indien tenkmengsels met **SPHINX® EXTRA WG** en ander produkte gemaak gaan word, moet hierdie produkte eers afsonderlik met water gemeng word voordat dit in die spuitenk bygevoeg word.

Verwys na die etikette van die produkte waarmee **SPHINX® EXTRA WG** mee gemeng gaan word en volg die etiketaanwysings. Vul die spuittenk met water tot die verlangde volume terwyl voortdurend geroer word. Moet nie tenkmengsels laat uitsak of oornag laat staan nie.

Toediening

SPHINX® EXTRA WG kan toegedien word met enige geskikte medium- of hoë-volume toediener mits dit korrek gekalibreer is, met 'n doeltreffende roermeganisme toegerus is en die spuitmengsel eweredig oor die teikengebied versprei kan word.

Dien **SPHINX® EXTRA WG** toe in 'n voorkomende spuitprogram. **SPHINX® EXTRA WG** behoort toegedien te word vroeg in die seisoen wanneer plante aktief groei om beskerming aan die kritiese blom-en vrugvormingstadium te verleen.

TOEDIENINGSHOEVEELHEDE

GEWAS EN TEIKEN	DOSIS	OPMERKINGS
Tafel- en wyndruiwe Donsige skimmel <i>(Plasmopara viticola)</i>	200 g/100 L water	Dien toe as 'n <u>voorkomende behandeling</u> . Toediening moet begin sodra die lote 100 mm lank is en met tussenposes van 10 tot 14 dae opgevolg word, tot en met die begin van Januarie. <u>Moet nie later as die begin van Januarie toedien nie.</u> GEEN TOEDIENINGS MOET OP TAFELDRUIWE NA DIE ERTJIEKORRELSTADIUM GEMAAK WORD NIE. SPHINX® EXTRA WG kan ook toegedien word in 'n voorkomende beheerprogram met voorkomende swamdoders van ander swamdodergroepkodes.