

WARNINGS

Hazard Statements: Harmful if swallowed or inhaled. May be harmful in contact with skin. Causes mild skin irritation. May cause an allergic skin reaction. Suspected of causing cancer. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

Pre Harvest Interval: Allow the following number of days to elapse between the final application and harvest of the crop:

Potatoes and youngberries	14 days
Wine grapes and pineapples	21 Days
Table grapes	56 Days

NOTE: The recommended withholding period between last application and harvest will meet local residue requirements when the use instructions are strictly adhered to but may not meet export residue requirements. If the treated crop is intended for the export market, consult the relevant exporting authority regarding pre-harvest interval requirements, before the application of this product.

- Store in a cool place.
- Store away from food and feeds.
- Keep out of reach of children, uninformed persons and animals.

Re-entry intervals: Do not enter treated area until spray deposit has dried unless wearing protective clothing.

Aerial Application: Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not spray over or allow the drift to contaminate adjacent areas or water.

Although this remedy has been extensively tested under various conditions, the registration holder does not warrant that it will be efficacious because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label as well as by 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 any reason whatsoever 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

Precautionary Statements

General: If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use.

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust, spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective clothing, eye protection, face protection, protective gloves.

Response: IF SWALLOWED: Call a poison centre or doctor if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice. Call a doctor if you feel unwell. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Collect spillage.

Storage: Store locked up.

Disposal: Dispose of contents and container to an approved waste disposal plant.

- Do not eat, drink, or smoke whilst mixing or applying the product, before washing hands and face and changing clothes.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Avoid drift of spray mist onto other crops, pastures, rivers, dams, bore holes and areas not under treatment.
- Clean applicator after use.
- Dispose of wash water where it will not contaminate crops, pastures, rivers, dams and bore holes.
- **Clean the plastic-lined paper bag as follows:** Shake all the pesticide formulation out of the bag into the spray or mixing tank. Turn the bag inside out. Hold the bag over the spray or mixing tank and rinse the bag with running water for thirty seconds. Shake the rinsate off into the tank. Repeat the rinsing twice. Do not bury, burn or donate the bag to any other parties that may use it as a container for foodstuffs. These bags cannot be recycled and must be incinerated by a licensed incineration facility.
- Destroy empty container and do not use for any other purpose

METASTAR 700 WP

Reg. No. / Nr L10846 Act No. 36 of 1947/ Wet Nr 36 van 1947

FUNGICIDE



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

FRAC FUNGICIDE GROUP CODE

4/M3

FRAC SWAMDODER GROEPKODE

A contact and systemic fungicide combination formulated as a wettable powder for the control of various diseases on crops as indicated under directions for use.

'n Benatbare poeier kontak- en sistemiese swamdoder mengsel vir die beheer van verskeie siektes op gewasse soos aangedui onder gebruiksaanwysings.

ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL:

Metalaxyl (phenyl amide)..... 100 g/kg.....Metalaksil (fenielamied)
Mancozeb (dithiocarbamate).....600 g/kg.....Mankoseb (ditiokarbamaat)



DANGER

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Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Do not breathe dust, spray.
IF SWALLOWED: Call a poison centre or doctor if you feel unwell.
IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Batch No:

D.O.M:

D.O.E:

Net Mass:

See reverse of packaging for details.

FOR FULL PARTICULARS SEE ATTACHED PAMPHLET.
VIR VOLLEDIGE BESONDERHEDE KYK AANGEHEGTE ETIKET.

UN No. / VR Nr: 3077



REGISTRATION HOLDER/ REGISTRASIEHOUER
Farm Ag International (Pty) Ltd
Reg. Nr.: Reg. No. 2005/011761/07
61 Marshall Drive, Old Mill Industrial Park,
Mount Edgecombe, South Africa, 4300
Tel: 031 003 3486

Poison Information Helpline (24 hrs): 0861 555 777



BARCODE

100643

RELEVANT SUBSTANCES

NAME	PRODUCT IDENTIFIER
Mancozeb Technical	CAS-No.: 8018-01-7
Metalaxyl Technical	CAS-No.: 57837-19-1
sodium-2-naphthalenesulfonate	CAS-No.: 532-02-5
Sodium lignosulfonate	CAS-No.: 8061-51-6

RESISTANCE WARNINGS

For resistance management, **METASTAR 700 WP** is a group code 4 and M3 fungicide. Any fungus may contain individuals naturally resistant to **METASTAR 700 WP** and other group code 4 and M3 fungicides. The resistant individuals can eventually dominate the fungus if these fungicides are used repeatedly. The resistant fungi may not be controlled by **METASTAR 700 WP** or any other group code 4 and M3 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 alternating with other products in the spray program, apply suitably registered products from different fungicide group codes. Adhere to all use instructions of the alternate individual product labels.
- Integrate other control methods (chemical, cultural, biological) into disease control program.

METASTAR 700 WP contains Metalaxyl, as one component. Metalaxyl is a fungicide with specific activity against late blight (*Phytophthora infestans*) on potatoes and downy mildew (*Phytophthora viticola*) on grapevines and youngberries. Resistant strains can develop which could lead to unacceptable levels of control of these diseases.

Caution

Since the occurrence of resistant strains cannot be forecast, users are advised to keep treated crops under close observation.

Should disease control be unacceptable, contact your supplier and immediately switch to another suitably registered fungicide of a different group code.

- Incidents of *Plasmopara viticola* (Downy mildew) resistant to Metalaxyl, have been found in various grape producing areas in the South Western Cape.
- Incidents of *Phytophthora infestans* (late blight) resistant to Metalaxyl, have been found in potatoes in the Gamtoos Valley and the George district.

For specific information on resistance management contact your local distributor or the registration holder of this product.

MODE OF ACTION

Mancozeb: Reacts with, and inactivates, the sulfhydryl groups of amino acids and enzymes of fungal cells, resulting in disruption of lipid metabolism, respiration and production of ATP. Broad-spectrum, non-systemic fungicide with protective action.

Metalaxyl: Inhibits protein synthesis in fungi, by interference with the synthesis of ribosomal RNA. Systemic fungicide with protective and curative action, taken up by the leaves, stems and roots.

USE RESTRICTIONS

- **METASTAR 700 WP** does not control early blight on potatoes.
- **METASTAR 700 WP** should not be used in tunnels, glass houses and nurseries.
- **METASTAR 700 WP** is readily translocated upwards in young active growing plants.
- As the plants start aging and reach senescence, penetration and translocation becomes restricted which will reduce the activity of **METASTAR 700 WP**.
- It is therefore important to use a suitable alternate fungicide when plants reach senescence.
- **METASTAR 700 WP** should not be applied more than four times per season on potatoes, youngberries and grapes.
- Continuous use of **METASTAR 700 WP** on certain soils may lead to accelerated bio-degradation of metalaxyl resulting in reduced activity.
- Do not alternate **METASTAR 700 WP** with other fungicides of the same group code (Phenylamides) which have a similar mode of action as **METASTAR 700 WP**.

DIRECTIONS FOR USE: Use only as directed.

General characteristics:

METASTAR 700 WP is a combination of Metalaxyl, a systematic fungicide with preventative and curative action, and Mancozeb, a residual contact fungicide with preventative action. Metalaxyl is absorbed, by the roots, green stems and leaves of plants and translocated upwards. The Metalaxyl component of **METASTAR 700 WP** applied as a foliar application on the surface of the leaves, penetrates rapidly, normally within one hour.

COMPATIBILITY

The compatibility of **METASTAR 700 WP** with other products may be influenced by the formulation of the other products involved as well as the quality of the water. It is therefore important that a compatibility test is carried out prior to application or mixing of **METASTAR 700 WP** tank mixtures.

MIXING INSTRUCTIONS

Mix the required quantity of **METASTAR 700 WP** in a separate container, with a small volume of water to form a slurry. Half fill the spray tank with clean water and begin agitation in the spray tank. Pour the slurry through a 50 mesh sieve into the spray tank and then top up the tank to the required volume. Ensure thorough agitation is maintained whilst mixing and throughout spray application.

APPLICATION:

1. Ground Application:

All spray operations must be performed with suitable equipment that is in good working order and correctly calibrated to give the desired coverage of the target plants for that particular method of application.

2. Aerial application: (Potatoes only)

Aerial application of **METASTAR 700 WP** may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

a.) Application parameters:

- Volume: A spray mixture volume of 30 to 40 ℓ per ha is recommended. As this has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- Droplet coverage: 25 to 35 droplets per cm² must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 280 to 300 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- Flying height: Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.

b.) Equipment:

- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible "Relative Span".
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.

c.) Meteorological conditions:

- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8 °C.
- Stop spraying if the wind speed exceeds 15 km/h or reduces to less than 5 km/h.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following:
 - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Under the following climatic conditions drift could occur more than 3 to 5 km from the nearest spray path of the aircraft:
 - Cloudy weather with relative humidity above 80 % and low air movement of less than 15 km per hour.
 - When such conditions prevail, aerial application should not be carried out where sensitive crops, crop seedlings or deciduous fruit trees e.g,

- apples in budding or early development stages are present within 5 km of the nearest spray path of the aircraft.
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.
- Supply the precise identification to the operator of the fields to be sprayed preferably by means of a map or GPS coordinates.
- Indicate to the operator adjacent environment sensitive areas or sensitive neighbouring crops, beehives or water source that could be affected by the pesticide.
- Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

It is important to obtain an assurance from the aerial spray operator that the above requirements are met.

APPLICATION INSTRUCTIONS: Apply Only As Directed

CROPS	DOSAGE RATE	REMARKS
GRAPES (Table and wine grapes) Downy mildew <i>(Plasmopara viticola)</i>	270 g/100ℓ	Firstly, apply a preventative spray program with fungicides from another group code. Apply METASTAR 700 WP immediately an infection period or disease warning occurs. Do not wait until the disease becomes established before applying METASTAR 700 WP . Repeat at 10-14 day intervals. Increase the spray volume progressively as the crop develops up to the pea-berry stage: 250 to 1000 ℓ/ha for wine grapes and 500 to 1200 ℓ/ha for table grapes ensuring complete coverage of the crop. Do not apply after the end of December Do not apply after the pea berry stage on Table grapes.
POTATOES Late blight <i>(Phytophthora infestans)</i>	Ground Application 2.0 kg/ha in 500 ℓ/ha Aerial Application 2.2 kg/ha in 30 to 40 ℓ/ha	Firstly apply a protective program with fungicides from other group codes and then apply METASTAR 700 WP immediately an infection period or disease warning occurs. Do not wait until the disease becomes established before applying METASTAR 700 WP . Repeat at 10 to 14 day intervals Ground application: Apply in 500 ℓ/ha water Aerial Application: Apply in 30 to 40 ℓ/ha water.
YOUNGBERRIES Downy mildew <i>(Perenospora rubi)</i>	270 g /100 ℓ	METASTAR 700 WP must be applied from approximately two weeks after green tip and repeated at 14 day intervals. Do not wait until the disease becomes established before applying METASTAR 700 WP . Apply as a high volume spray to the point of run-off ensuring complete coverage of the plant.
PINEAPPLES Root and base or heart rot <i>(Phytophthora spp.)</i>	5.0 kg / ha	Immediately after planting: Apply METASTAR 700 WP as an overall broadcast soil drench in 2000 to 3000 ℓ water/ha. Follow up 3 to 6 months later after planting and repeat at 3 months intervals. Established plants: Apply METASTAR 700 WP in 2000 to 3000 ℓ water/ha at 3 months intervals.



WAARSKUWINGS

Gevaarstellings: Skadelik indien ingesluk of ingeasem word. Kan skadelik wees in kontak met die vel. Veroorsaak ligte velirritasie. Kan 'n allergiese velreaksie veroorsaak. Word daarvan verdink dat hy kanker veroorsaak. Kan vrugbaarheid of die ongebore kind beskadig. Mag skade aan organe veroorsaak deur langdurige of herhaalde blootstelling. Baie giftig vir waterlewe met langdurige effekte.

Voor Oes Tussenpose: Laat die volgende dae toe tussen laaste toediening en oes van die gewasse soos aangedui.

Aartappels en Youngberries	14 dae
Wyndruiwe en Pyanappels	21 dae
Tafeldruiwe	56 dae

LET WEL: Die aanbevole Voor Oes Tussenpose tussen die laaste toediening en oes sal locale residue perke nakom wanneer die toedienings aanbevelings streng nagevolg word maar kan dalk nie uitvoer residu vlakke nakom nie. As die behandelde gewas vir uitvoer bestem is raadpleeg die betrokke uitvoer gesag aangaande die vereiste residu vlakke alvorens toedienings gemaak word.

- Berg in 'n koel plek.
- Berg weg van voedsel en voer.
- Hou buite bereik van kinders, oningeligte persone en diere.

Herbetreding: Moet nie behandelde gebied betree alvorens die spuitneerslag droog is nie, tensy beskermende oorklere gedra word.

Lugtoediening: Stel al die bewoners in die onmiddellike omgewing van die gebied wat bespuit gaan word in kennis en reik die nodige waarskuwings uit. Moet nie oor aangrensende gebiede of water spuit of die spuitnewel toelaat om dit te besoedel nie.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle omstandighede doeltreffend sal wees nie, angesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond- klimaats- en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie, sowel as die metode, tyd en akkuraatheid van die toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade van enige aard, aan gewasse, plantegroei, die omgewing of vir nadelige effek op mens of die van 'n gebrek aan prestasie as gevolg van die versium 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.

VOORSORGMAAREËLS

Voorsorgstellings

Algemeen: Indien mediese advies benodig word, hou produkhouer of etiket byderhand. Hou buite bereik van kinders. Lees etiket voor gebruik.

Voorkoming: Kry spesiale instruksies voor gebruik. Moet nie hanteer voordat alle veiligheidsmaatreëls gelees en verstaan is nie. Moenie stof, sproei inasem nie. Was hande, voorarms en gesig deeglik na hantering. Moet nie eet, drink of rook wanneer hierdie produk gebruik word nie. Gebruik slegs buite of in 'n goed geventileerde area. Besoedelde werksklere moet nie uit die werkplek toegelaat word nie. Vermy vrylating na die omgewing. Dra beskermende klere, oogbeskerming, gesigbeskerming, beskermende handskoene.

Reaksie: INDIEN INGESLUK: Bel 'n gifsentrum of dokter as jy onwel voel. INDIEN OP DIE VEL: Was met baie seep en water. INDIEN INGESAEM: Verwyder persoon na vars lug en hou gemaklik om asem te haal. INDIEN blootgestel of bekommerd: Kry mediese advies. Bel 'n dokter as jy onwel voel. Indien velirritasie of uitslag voorkom: Kry mediese hulp. Trek besoedelde klere uit en was dit voor hergebruik. Versamel gemors.

Berging: Stoor toegesluit.

Wegdoening: Gooi inhoud en houer weg na 'n goedgekeurde afvalverwyderingsaanleg.

- Moet nie eet, drink of rook tydens vermenging of toediening van die produk of voordat die hande en gesig gewas is en die klere verander is.
- Voorkom besoedeling van kos, voer, drinkwater en eetgerei.
- Vermoë wegdrywing van spuitnewel na ander gewasse, weiveld, riviere, damme, boorgate en plekke wat nie behandel moet word nie.
- Maak die toedieningsapparaat skoon na gebruik.
- Gooi uitspoelwater weg waar dit nie gewasse, weiveld, riviere, damme en boorgate kan besoedel nie.
- **Maak die plastiek-gevoerde papiersak soos volg skoon:** Skud al die plaagdoderformulering uit die sak in die spuit- of mengtenk. Draai die sak binneste buite. Hou die sak oer die spuit- of mengtenk en spoel die sak uit met lopende water vir dertig sekondes. Skud die spoelwater in die tenk af. Herhaal die spoel twee keer. Moenie die sak begrawe, verbrand of skenk aan enige ander partye wat dit as 'n houer vir voedsel kan gebruik nie. Hierdie sakke kan nie herwin word nie en moet deur 'n gelisensieerde verbrandingsfasiliteit verbrand word.
- Vernietig leë houers en moet dit vir geen ander doel gebruik nie.

RELEVANTE STOWWE

NAAM	PRODUK IDENEFISEERDER
Mancozeb Tegnies	CAS-Nr.: 8018-01-7
Metalaxyl Tegnies	CAS-Nr.: 57837-19-1
Natrium-2-naftaleensulfonaat	CAS-Nr.: 532-02-5
Natrium lignosulfonaat	CAS-Nr.: 8061-51-6

WAARSKUWING TEEN WEERSTAND

METASTAR 700 WP is 'n groepkode 4 en M3 swamdoder. Enige populasie van 'n spesifieke swam mag individue insluit wat 'n natuurlike weerstand teen **METASTAR 700 WP** en enige ander groepkode 4 en M3 swamdoder het. Indien hierdie swamdoders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die swam populasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur **METASTAR 700 WP** of enige ander groepkode 4 en M3 swamdoder beheer word nie.

Om swamdoder weerstand te vertraag.

- Vermoed die eksklusiewe herhaaldelike gebruik van swamdoders met dieselfde groepkode. Wissel af met, of gebruik tenkingsels van produkte in verskillende swamdoder groepkodes.
- Vir tenkingsels of afwissel met ander produkte in die spuitprogram gebruik toepaslike geregistreerde produkte van verskillende swamdoder groepe. Hou streng by die gebruiksaanbeveling van die produk etikete.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in swamdoder programme.

Metastar 700 WP bevat Metalaksel as een komponent. Metalaksel is swamdoder met spesifieke aksie teen laat roes (*Phytophthora infestans*) op aartappels en Donsige meeldouw (*Phytophthora viticola*) op druiwe en youngbessies. Weerstandbiedende stamme kan ontwikkel wat sal lei tot onaanvaarbare beheer van hierdie siektes.

Waarskuwing

Aangesien weerstand nie voorspel kan word nie, moet verbruikers die behandelde gewasse noukeurig dophou.

Indien die beheer van die siekte nie na wense is nie, kontak dadelik u verskaffer en verander na 'n ander onverwante toepaslik geregistreerde swamdoder van 'n ander groepkode.

- Gevalle van *Plasmophthora viticola* (Donsige meeldouw) weerstand teen metalaksel kom voor in verskeie druiwe produseerende areas in die Suid Wes Kaap.
- Gevalle van *Plasmophthora infestans* (Laat roes) weerstand teen metalaksel is gevind op aartappels in die Gamtoos Vallei en die George gebied.

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

WYSE VAN AKSIE

Mankoseb: Reageer met, en inaktiveer, die sulfhidriël-groepe van aminosure en ensieme van swamselle, wat lei tot ontworting van lipiedmetabolisme, respirasie en produksie van ATP. Breëspektrum, nie-sistemiese swamdoder met beskermerende werking.

Metalaxyl: Inhibeer proteïensintese in swamme, deur inmenging met die sintese van ribosomale RNA. Sistemiese swamdoder met beskermerende en genesende werking, opgeneem deur die blare, stingels en wortels.

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.

- **METASTAR 700 WP** beheer nie vroeë roes op aartappels nie.
- **METASTAR 700 WP** moet nie in tonnels, glashuise en kwekerie gebruik word nie.
- Wanneer die plante volwassenheid bereik en begin verouder, neem die absorpsie en translokasie af wat die effektiwiteit van **METASTAR 700 WP** laat afneem.
- Dit is dus belangrik dat 'n ander swamdoder op plante gebruik word sodra plante begin verouder.
- **METASTAR 700 WP** moet nie meer as vier keer per seisoen op aartappels, youngbessies en druiwe toegeedien word nie.
- Aanhoudende gebruik van **METASTAR 700 WP** op sekere grond kan aanleiding gee tot versnelde bio-afbreking van metalaksel wat aanleiding gee tot afname in die aktiwiteit.
- Moet nie **METASTAR 700 WP** afwissel met ander fenielamiede met dieselfde tipe aksie as **METASTAR 700 WP**.

Algemene eienskappe

METASTAR 700 WP is 'n kombinasie van Metalaksil, 'n sistematiese swamdoder met voorkomende en kuratiewe aksies, en Mankoseb, 'n residuele swamdoder met voorkomende aksies. Metalaksil word geabsorbeer deur die wortels, groen stingels en blare van die plant en opwaarts getranslokeer. Indien Metalaksil op blare toegedien word, word dit baie vinnig opgeneem, normaalweg binne een uur.

VERENIGBAARHEID

Die verenigbaarheid van **METASTAR 700 WP** met enige ander produk kan beïnvloed word deur die formulاسie van die produkte betrokke sowel as die kwaliteit van die water. Dit is dus van uiterste belang dat 'n verenigbaarheids toets uitgevoer word voor toediening.

MENGINSTRUKSIES

Meng die vereiste hoeveelheid van **METASTAR 700 WP** met 'n klein volume water sodat 'n dun room verkry word. Maak die spuittenk half vol met skoon water, en terwyl gemeng word, voeg die dun room deur 'n 50 maas sif by. Vul die tenk aan tot die nodige volume. Roer goed gedurende volmaak en gedurende bespuiting.

TOEDIENING

1. Grondtoediening:

METASTAR 700 WP kan toegedien word deur konvensionele hoëvolume spuittoerusting. Die toerusting moet gekalibreer word voor toediening om te verseker dat die regte dosis gelewer word. Die verspreiding van die spuitmengsel moet egalig oor die teikengebied wees.

2. Lugtoediening: (Slegs aartappels)

METASTAR 700 WP kan deur lugbespuiting toegedien word, deur geregistreeerde lugtoedienings operateurs wat gebruik maak van geregistreeerde vliegtuie volgens SANS kode 10118 (lugtoediening van landbouchemiese middels) Verseker dat die spuitstof egalig oor die teikengebied versprei word en die verlies van spuitmengsel tot 'n minimum beperk word. Om hieraan te voldoen, moet die volgende vereistes nagekom word:

a.) Toediening raamwerk:

- Volume: 'n Minimum spuitvolume van 30 l tot 40 l/ha word aanbeveel. Aangesien hierdie toediening nie teen lae volume getoets is nie, kan die registrasie houër nie doeltreffend beheer waarborg nie, of verantwoordig gehou word vir enige nadelige effek indien hierdie produk teen laer volumes toegedien is nie.
- 'n Minimum van 25 tot 35 druppels per cm² moet op die teiken gebied herwin word.
- Druppel Grootte: Gebruik 'n druppel spektrum met 'n VMD van 280 tot 300 mikron. Beperk die produksie van fyn druppels kleiner as 150 mikron (hoë wegdryf verdampings potential) tot 'n minimum.
- Vlieg Hoogte: Handhaaf 'n vlieghoogte van drie tot vier meter bokant die teikengebied. Moenie spuit as vliegtuig duik of klim of draai nie.

b.) Toerusting:

- Gebruik toepaslike verstuivers (atomiseerdes) toerusting wat die aangewenste druppel grootte en bedekking sal bewerkstellig en 'n druppel spektrum met minimum maonitlike relatiewe span.
- Positioneer die verstuivers (atomiseerdes) binne die binneste 60 tot 75% van die vierkwydte om te verhoed dat die druppels die vierkpunt vortex in beweging.

c.) Meteorologiese toestande:

- Die verskil tussen die nat- en droëbol lesing, soos bepaal met 'n swaaihidrometer, moet nie 8°C oorskry nie. Staak bespuiting sodra die windsnelheid 15 km/h oorskry.
- Moet nie spuit tydens middag hitte nie wanneer onstuimige, onstabiele droë, toestande heers.
- Toediening onder temperatuur inversie toestande (bepuiting in/of bokant die inversie laag) en/of hoë humiditeit toestande (relatiewe humiditeit 80% en hoër) mag tot lei tot die volgende:
 - Verlaagde doeltreffendheid as gevolg van suspensie of verdamping van klein druppels in die lug (ongewenste bedekking).
 - Skade aan ander gevoelige gewasse en/of nie teiken areas deur wegdrywig van die spuitwolk vanaf die teiken gebied.
- Onder die volgende klimaats toestande kan wegdrywig 3 tot 5 km ver van die spuitbaan van die vliegtuig voorkom.
- Bewolke weer met relatiewe humiditeit hoër as 80 % en lae lug beweging van minder as 15 km per uur. Wanneer sulke toestande heers moet lugbespuiting nie uitgevoer word waar sensitiewe gewasse, saailinge, of sagte vrugte bome (bv.apples) in bot of vroeë ontwikkelings stadia binne 5 km van die vliegtuig toediening is.
- Verseker dat die lug operateur weet presies watter lande bespuit moet word.
- Verskaf die spesifieke identifikasie van die teiken gebied aan die loods, verkieslik met 'n kaart of GPS koördinate.
- Maak die loods bewus van enige aangrensende omgewing sensitiewe areas of aangrensende vatbare gewasse, bye korwe of water bronne wat deur die plaagdoder nadelig geaffekteer mag word.

- Dit is noodsaaklik om 'n versekering van die spuitoperateur te verkry dat aan bogenoemde vereistes voldoen sal word, en dat die relevante data in 'n logboek aangeteken sal wees.

Dit is belangrik dat lugbespuitings operateur die versekering gee dat die bostande vereistes nagekom sal word.

TOEDIENINGS AANBEVEELINGS: DIEN TOE STRENG VOLGENS VOORSKRIFTE

GEWASSE	DOSIS	OPMERKINGS
DRIUWE (Tafel en Wyndruiwe) Donsige skimmel (<i>Plasmopara viticola</i>)	270 g/100ℓ	Dien chemies onverwante swamdoders toe in 'n voorkomende program en sluit METASTAR 700 WP in sodra 'n infeksieperiode of siektewaarskuwing plaasvind. Moet nie wag tot die siekte toeneem voordat METASTAR 700 WP toegedien word nie. Herhaal elke 10-14 dae. Vermeerder die spuitvolume geleidelik tot met die ertjekorrelstadium: 250-1000 ℓ/ha vir wyndruiwe en 500-1200 ℓ/ha vir tafeldruiwe en sorg dat die plante goed bedek word. Moet nie later as einde Desember toegedien word nie. Moet nie na ertjekorrelstadium op tafeldruiwe spuit nie.
AARTAPPELS Laat roes (<i>Phytophthora infestans</i>)	Grond Toediening 2.0 kg/ha in 500 ℓ/ha Lug Toediening 2.2 kg/ha in 30 to 40 ℓ/ha	Dien chemies onverwante swamdoders toe in 'n voorkomende program en sluit METASTAR 700 WP in, sodra 'n infeksieperiode of siektewaarskuwing plaasvind. Moet nie wag tot die siekte toeneem voordat METASTAR 700 WP toegedien word nie. Herhaal elke 10-14 dae. Dien toe in 500 ℓ/ha water (grondtoediening) Dien toe in 30 tot 40 ℓ/ha water (lugtoediening)
YOUNGBESSIES Donsige skimmel (<i>Perenospora rubi</i>)	270 g /100 ℓ	METASTAR 700 WP toedienings moet ongeveer twee weke na groenpunt begin. Herhaal met 14 dae tussenposes. Moet nie wag tot die siekte toeneem voordat METASTAR 700 WP toegedien word nie. Dien toe met hoëvolume tot punt van afloop en maak seker dat plante bedek word.
PYNAPPELS Wortel en stamvrot (<i>Phytophthora spp.</i>)	5.0 kg / ha	Onmiddellik na plant: Dien METASTAR 700 WP as 'n algehele grond deurdrenkings bespuiting toe in 2000 –3000 ℓ water/ha onmiddellik na plant. Volg op 3-6 maande later en daarna elke 3 maande. Gevestigde plante: Dien METASTAR 700 WP toe in 2000-3000 ℓ water/ha elke 3 maande



METASTAR 700 WP

Reg. No. / Nr L10846 Act No. 36 of 1947/ Wet Nr 36 van 1947

FUNGICIDE



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

FRAC FUNGICIDE GROUP CODE

4/M3

FRAC SWAMDODER GROEPKODE

A contact and systemic fungicide combination formulated as a wettable powder for the control of various diseases on crops as indicated under directions for use.

'n Benatbare poeier kontak- en sistemiese swamdoder mengsel vir die beheer van verskeie siektes op gewasse soos aangedui onder gebruiksaanwysings.

ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL:

Metalaxyl (phenyl amide)..... 100 g/kg.....Metalaksil (fenielamied)
Mancozeb (dithiocarbamate).....600 g/kg.....Mankoseb (ditiokarbamaat)



DANGER

Hazard Statements:

Harmful if swallowed or inhaled.
May be harmful in contact with skin.
Causes mild skin irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.
May damage fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Do not breathe dust, spray.
IF SWALLOWED: Call a poison centre or doctor if you feel unwell.
IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Batch No:

D.O.M:

D.O.E:

Net Mass:

See reverse of packaging for details.

FOR FULL PARTICULARS SEE ATTACHED PAMPHLET.
VIR VOLLEDIGE BESONDERHEDE KYK AANGEHEGTE ETIKET.

UN No. / VR Nr: 3077



REGISTRATION HOLDER/ REGISTRASIEHOUER
Farm Ag International (Pty) Ltd
Reg. Nr.: Reg. No. 2005/011761/07
61 Marshall Drive, Old Mill Industrial Park,
Mount Edgecombe, South Africa, 4300
Tel: 031 003 3486

Poison Information Helpline (24 hrs): 0861 555 777



BARCODE

100643

165(H) x 140(W) mm

CYAN

MAG

YEL

BLK

100643