

[Sales Panel]
For further information see attached pamphlet
Vir verdere inligting sien aangehegte pamflet

Before using this product read the label carefully

MANCOLAX 700 WP

Botswana: Reg. No. W130567, Act No. / Wet Nr. 18 of / van 1999
Namibian Reg. No./Namibiese Reg. Nr. N-AR 1877

A wettable powder contact and systemic fungicide for the control of various diseases on crops as indicated.

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

FUNGICIDE GROUP CODES (metalaxyl) 4 (metalaksil) SWAMDODERGROEPKODES
FUNGICIDE GROUP CODES (mancozeb) M3 (mankoseb) SWAMDODERGROEPKODES

Active Ingredients:

Aktiewe Bestanddele :

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

Net Mass	kg	Netto Massa
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REGISTRATION HOLDER / REGISTRASIEHOUER:

AECI® Limited / AECI® Beperk

Reg. No. / Nr. 1924/002590/06

P.O. Box / Posbus 14418

Witfield, 1467

Tel : (011) 823 8000

www.aeciph.com

IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL
0861 555777 / 082 446 8946

Batch No:

Date of Manufacture:

Lotnr:

Vervaardigingsdatum:

UN No./ VN Nr. 3077 Environmentally hazardous substance, solid, n.o.s.



**CAUTION
VERSIGTIG**



Pamphlet

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CAUTION

WARNINGS:

IF THE CROP TO BE TREATED IS INTENDED FOR EXPORT, CONSULT THE RELEVANT EXPORTING ORGANISATION REGARDING WITHHOLDING PERIODS.

**IN THE CASE OF CROPS GROWN FOR LOCAL CONSUMPTION
ALLOW THE FOLLOWING WITHHOLDING PERIOD BETWEEN LAST APPLICATION AND
HARVESTING:**

TOMATOES	7 DAYS
POTATOES, YOUNGBERRIES AND BOYSENBERRIES	14 DAYS
WINE GRAPES AND PINEAPPLES	21 DAYS
TABLE GRAPES	56 DAYS

Note: Withholding periods are based on good agricultural practice and when followed, local (SA) MRL's will be met if the recommended dosage is applied. For fruit destined for export, consult your export agent or supplier for the latest withholding periods relevant to your export market.

Handle with care.

Harmful when inhaled or swallowed.

Very toxic to fish and aquatic organisms.

May cause skin irritation.

Store in a cool dry well ventilate place away from food and feeds.

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.

In case of poisoning – CALL A DOCTOR AND MAKE THIS LABEL AVAILABLE TO HIM/HER.

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 drift to contaminate water or adjacent 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 TO THE REMEDY CONCERNED AS WELL AS BY THE METHOD, TIME AND ACCURACY OF APPLICATION. THE REGISTRATION HOLDER FURTHERMORE DOES NOT ACCEPT RESPONSIBILITY FOR DAMAGE TO CROPS, VEGETATION, THE ENVIRONMENT OR HARM TO MAN OR ANIMAL OR FOR LACK OF PERFORMANCE OF THE REMEDY CONCERNED DUE TO FAILURE OF THE USER TO FOLLOW THE LABEL INSTRUCTION OR TO THE OCCURRENCE OF CONDITIONS WHICH COULD NOT HAVE BEEN FORESEEN IN TERMS OF THE REGISTRATION. CONSULT THE SUPPLIER IN THE EVENT OF ANY UNCERTAINTY.

PRECAUTIONS:

Do not inhale dust or spray mist.

Avoid contact with skin. Wash contaminated clothing after use.

Wash with soap and water after handling.

Wear rubber gloves and face shield when handling the concentrate.

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.

Prevent spray drift onto other crops, grazing, rivers, dams or areas not under treatment.

Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.

Containers and packages must be completely emptied before being disposed of. Shake out thoroughly into the mixing tank and destroy the empty container / bag thereafter and burying it.

Never re-use the empty container/bag for any other purpose.

Do not burn the empty container / bag.

USE RESTRICTIONS:

APPLY **MANCOLAX 700 WP** immediately following an infection period or disease warning, **before the disease can gain momentum.**

DO NOT apply to plants under drought or flood stress.

The spraying programme must commence in the early stage of the crop's growth cycle, when the plant is actively growing, to ensure protection during the critical stages of flowering and early fruit formation.

MANCOLAX 700 WP does not control Early blight on potatoes.

MANCOLAX 700 WP should not be used in tunnels, glass houses and nurseries.

MANCOLAX 700 WP is readily translocated upwards in young active growing plants. As the plants reach senescence, penetration and translocation becomes limited which will reduce the activity of **MANCOLAX 700 WP**. It is therefore important to use a different fungicide when plants reach senescence.

MANCOLAX 700 WP should not be applied more than four times per season on tomatoes, potatoes, youngberries, boysenberries and grapes.

MANCOLAX 700 WP continuous use on certain soils may lead to accelerated bio-degradation of metalaxyl resulting in reduced activity.

DO NOT ROTATE MANCOLAX 700 WP WITH ANY OTHER PHENYLAMIDE FUNGICIDE WITH A SIMILAR MODE OF ACTION AS MANCOLAX 700 WP.

Product Properties

MANCOLAX 700 WP consists of a systemic, protective and curative fungicide (metalaxyl), as well as a residual protective fungicide (mancozeb).

Metalaxyl can be absorbed, by roots, green stems and foliage and is translocated upwards in the plant. Absorption happens rapidly (normally within an hour), when the product is sprayed on foliage.

RESISTANCE WARNING:

For resistance management, **MANCOLAX 700 WP** is a Group codes M3 and 4 fungicide. Any fungus may contain individuals naturally resistant to **MANCOLAX 700 WP** and other Group codes M3 and 4 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. The resistant fungi may not be controlled by **MANCOLAX 700 WP** or any other Group codes M3 and 4 fungicide.

To delay fungicide resistance:

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

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

MANCOLAX 700 WP controls diseases caused by Oömycetes fungi such as Late blight (*Phytophthora infestans*) and Downy mildew (*Plasmopara viticola*). The activity of **MANCOLAX 700 WP** may be affected adversely in areas known to have tolerant disease strains or isolates, on crops listed in this label. The following areas have a history of disease strains or isolates showing resistance to the phenylamide group of fungicides e.g. Metalaxyl:

- Downy mildew (*Plasmopara viticola*) in grapes – various areas of the South Western Cape
- Late blight (*Phytophthora infestans*) – Gamtoos Valley, George, Sandveld & Western Cape and other parts of South Africa

Refer to the abovementioned notes to avoid or manage resistance

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

MANCOLAX 700 WP must be used in a preventative control spray programme.

COMPATIBILITY:

The compatibility of **MANCOLAX 700 WP** with other products will depend on factors such as the formulation of the remedy concerned and/or the water quality. Therefore, always test small samples of the proposed mixture for physical compatibility before mixing them in the spray tank. In the event of any uncertainty consult the distributor.

MIXING INSTRUCTIONS:

Mix the required quantity of **MANCOLAX 700 WP** with a small amount of water into a slurry. Half fill the spray tank with clean water and, whilst agitating, 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 during filling and spraying. The spray mixture must be sprayed immediately after mixing. Prepared spray mixture should not be left in the spray tank for any length of time e.g. overnight.

GROUND APPLICATION:

MANCOLAX 700 WP can be applied with conventional high volume spray equipment. The spray boom, must be equipped with hollow cone nozzles, which produces medium to fine droplets. Calibrate the equipment before application to ensure that the correct dose is applied. Ensure even distribution of the spray on the target area.

AERIAL APPLICATION: (potatoes only)

Aerial application 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 Remedies). It is important to 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 are met:

Equipment:

Use suitable atomising equipment (hydraulic nozzles or rotary atomisers) that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product through drift. The operator must use a setup that will produce a droplet spectrum with the lowest possible relative span.

All nozzles / atomisers should be positioned within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.

Application parameters:

A minimum volume of 30 - 40 l spray mixture per hectare is recommended. As this product 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.

A droplet coverage of 50-70 droplets per cm² must be recovered at the target.

A droplet spectrum with a VMD of 250 microns is recommended. Ensure that the production of fine droplets (smaller than 150 microns) is restricted to a minimum.

The height of the spray boom should be maintained at 3-4 metres above the target. Do not spray when aircraft is in a climb, at the top or during a dive, or when banking.

- Apply before the crop becomes too dense, thus preventing proper coverage of the plants.

Meteorological conditions:

The difference between the wet and dry bulb readings as determined by a whirling hygrometer, must not exceed 8 °C.

Do not spray under turbulent, unstable conditions during the heat of the day when rising thermals and downdraughts occur.

Do not spray under temperature inversion conditions (spraying in or above the inversion layer).

Do not spray if the wind speed exceeds 15 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.

General:

Ensure that fields are accurately marked and that the aerial spray operator knows exactly which fields to spray.

Obtain an assurance from the aerial spray operator that the above requirements will be met.

APPLICATION TABLE:

CROPS	DOSAGE	REMARKS
GRAPES (Table and wine grapes) Downy mildew <i>(Plasmopara viticola)</i>	270 g/100 ℓ water	Refer to “USE RESTRICTIONS”. Follow a protective programme with unrelated fungicides and apply MANCOLAX 700 WP immediately after an infection period or disease warning. Repeat at 10-14 day intervals. Do not wait until the disease gains momentum before applying MANCOLAX 700 WP. Increase the spray volume progressively up to the pea-berry size stage ensuring good coverage of the crop. Apply in 250 to 1 000 ℓ water/ha in wine grapes. Apply in 500 to 1 200 ℓ water/ha in table grapes. • Do not apply later than the end of December • Do not apply after reaching the pea-berry size stage on table grapes.
PINEAPPLES Root and base or heart rot <i>(Phytophthora spp.)</i>	5.0 kg/ha	At planting: Apply MANCOLAX 700 WP as a broadcast soil drench in 2 000 –3 000 ℓ water/ha immediately after planting. Follow up 3-6 months later after planting and repeat at 3 months intervals. Established plants: Apply MANCOLAX 700 WP in 2 000 - 3 000 ℓ water/ha with 3 month intervals.
POTATOES Late blight <i>(Phytophthora infestans)</i>	2.0 kg/ha (ground application) 2.2 kg/ha (aerial application)	Refer to “USE RESTRICTIONS”. Follow a protection programme with unrelated fungicides and apply MANCOLAX 700 WP immediately after an infection period or disease warning. Repeat at 10-14 day intervals. Do not wait until the disease gains momentum before applying MANCOLAX 700 WP. Apply in 500 ℓ water/ha (ground application) and in 30 to 40 ℓ water /ha water (aerial application).
TOMATOES Late blight <i>(Phytophthora infestans)</i> Early blight <i>(Alternaria solani)</i> Leaf spot <i>(Septoria lycopersici)</i>	270 to 360 g/100 ℓ water	Refer to “USE RESTRICTIONS”. Follow a protection programme with unrelated fungicides and apply MANCOLAX 700 WP immediately after an infection period or disease warning. Repeat at 7 day intervals. Do not wait until the disease gains momentum before applying MANCOLAX 700 WP. Use 500 – 2 000 ℓ/ha spray mixture depending on the plant size. Apply the higher dosage rate under high disease infection pressure. NOTE: <i>Alternaria</i> and <i>Septoria</i> are controlled by the mancozeb component and a follow-up application with a suitable fungicide may be required if more than 13 mm rain or overhead irrigation occurs.
YOUNGBERRIES & BOYSENBERRIES Downy mildew <i>(Perenospora rubi)</i>	270 g/100 ℓ water	Refer to “USE RESTRICTIONS”. Commence application two weeks after green tip stage as a high volume spray to the point of run-off, to ensure good coverage of the plant. Repeat every 2 weeks. Do not wait until the disease gains momentum before applying MANCOLAX 700 WP.

MANCOLAX 700 WP

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

SWAMDODER GROEPKODES (metalaksil) 4 SWAMDODER GROEPKODES (mankoseb) M3

Aktiewe Bestanddele :

Metalaksil (fenielamied) 100 g/kg
Mankoseb (ditiokarbamaat) 600 g/kg

REGISTRASIEHOUER:

Nulandis® ('n Afdeling van AECI Beperk)

Reg. Nr. 1924/002590/06
Posbus 14418
Witfield, 1467
Tel : (011) 823 8000

VERSIGTIG

WAARSKUWINGS:

**INDIEN DIE GEWAS WAT BEHANDEL WORD BESTEM IS VIR UITVOERDOELEINDES
RAADPLEEG DIE BETROKKE UITVOERORGANISASIE VIR VOORSKRIFTE RAKENDE
AANGEWESE ONTHOUDINGSPERIODES.**

**INDIEN DIE GEWAS WAT BEHANDEL WORD BESTEM IS VIR PLAASLIKE GEBRUIK, LAAT
DIE VOLGENDE AANTAL DAE TOE TUSSEN DIE LAASTE TOEDIENING EN OES.**

TAMATIES..... 7 DAE
AARTAPPLES, YOUNGBESSIES EN BOYSENBESSIES.....14 DAE
WYNDRUIWE EN PYNAPPELS..... 21 DAE
TAFELDRUIWE..... 56 DAE

LET WEL: Nakoming van hierdie onthoudingsperiodes sal verseker dat die plaaslike Maksimum Residu Limiete (MRL's) nie oorskry word nie, maar mag dalk nie voldoen aan die invoervereistes van ander lande nie. Indien die gewas wat behandel gaan word bestem is vir uitvoer, skakel met die betrokke invoerder of uitvoerliggaam rakende die gebruik van hierdie produk, maksimum residu vereistes en aanbevole onthoudingsperiodes.

Hanteer versigtig.

Skadelik wanneer ingeasem of ingesluk.

Uiters giftig vir vis en akwatiese organismes.

Berg in 'n koel, droë goed geventileerde plek weg van voedsel en voer.

Hou buite bereik van kinders, oningeligte persone en diere.

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

In geval van vergiftiging - ONTBIED 'N GENEESHEER EN STEL HIERDIE ETIKET AAN HOM/HAAR BESKIKBAAR.

Lugtoediening: Stel alle inwoners in die onmiddellike omgewing van die gebied wat bespuit gaan word in kennis en reik die nodige waarskuwings uit. Moenie direk oor water spuit of toelaat dat sproeiwater oor omliggende gebiede of water waai nie.

ALHOEWEL HIERDIE MIDDEL OMVATTEND ONDER 'N GROOT VERSKEIDENHEID TOESTANDE GETOETS IS WAARBORG DIE REGISTRASIEHOER NIE DAT DIT ONDER ALLE TOESTANDE DOELTREFFEND SAL WEES NIE AANGESIEN DIE WERKING EN EFFEK DAARVAN BEÏNVLOED KAN WORD DEUR FAKTORE SOOS ABNORMALE KLIMAATS- EN BERGINGSTOESTANDE, KWALITEIT VAN VERDUNNINGSWATER, VERENIGBAARHEID MET ANDER STOWWE WAT NIE OP DIE ETIKET AANGEDUI IS NIE EN DIE VOORKOMS VAN WEERSTAND VAN DIE SIEKTE TEEN DIE BETROKKE MIDDEL SOWEL AS DIE METODE, TYD EN AKKURAATHEID VAN TOEDIENING. VERDER AANVAAR DIE REGISTRASIEHOER NIE VERANTWOORDELIKHEID VIR SKADE AAN GEWASSE, PLANTEGROEI, DIE OMGEWING OF VIR NADELIGE EFFEK OP MENS OF DIER OF VIR 'N GEBREK AAN PRESTASIE VAN DIE BETROKKE MIDDEL AS GEVOLG VAN DIE VERSUIM VAN DIE GEBRUIKER OM ETIKETSAANWYSINGS 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

VOORSORGMATE:LS:

Moenie stof of sporeinewel inasem nie.

Vermyn velkontak.

Was besoedelde klere na gebruik. Was met seep en water na gebruik.

Dra rubberhandskoene en gesigmasker wanneer konsentreer hanteer word.

Moenie eet, drink of rook tydens vermenging of toediening of voordat hande en gesig gewas en skoon klere aangetrek is nie.

Verhoed besoedeling van voedsel, voer, drinkwater en eetgerei.

Verhoed die wegdrywing van sporeinewel na nie-teiken gewasse, weiding, riviere en damme en ander gebiede wat nie onder behandeling is nie.

Maak spuitapparaat deeglik skoon na gebruik en gooi die spoelwater waar dit nie gewasse, weiding, riviere of damme kan besoedel nie.

Houers en verpakings moet heeltemal leeggemaak word voordat dit vernietig word. Skud die houer/sak deeglik uit in die mengtenk en vernietig daarna die leë houer/sak en begrawe.

Moet nooit die leë houer/sak vir enige ander doel hergebruik nie.

Moenie die leë houer/sak verbrand nie.

GEBRUIKSBEPERKINGS:

Dien **MANCOLAX 700 WP** onmiddellik toe na 'n infeksie periode of siektewaarskuwing, **voordat die siekte in die gewas vestig**.

MANCOLAX 700 WP beheer nie vroeëroes op aartappels nie.

MANCOLAX 700 WP moenie in tonnells, glashuise en kwekerie gebruik word nie.

Moenie toedien op plante wat onder droogte of versuiptoestande verkeer nie.

Begin met die spuitprogram vroeg in die gewas se groeiseisoen wanneer die plante aktief groei, sodat beskerming verkry word tydens die kritieke blom- en vroeë vrugvorming fases.

Die opwaartse translokasie van **MANCOLAX 700 WP** in jong aktief groeiende plante is baie goed. Wanneer die plante volwassenheid bereik, neem die absorpsie en translokasie af wat die effektiwiteit van **MANCOLAX 700 WP** laat afneem. Dit is dus belangrik dat 'n ander swamdoder op volwasse plante gebruik word.

MANCOLAX 700 WP moenie meer as vier keer per seisoen op tamaties, aartappels, youngbessies, boysenbessies en druiwe toegedien word nie.

Aanhoudende gebruik van **MANCOLAX 700 WP** op sekere grond kan aanleiding gee tot versnelde bio-afbreking van metalaksil wat aanleiding gee tot afname in die aktiwiteit.

MOENIE **MANCOLAX 700 WP** AFWISSEL MET ANDER FENIELAMIEDESWAMDODERS MET DIESELFDE METODE VAN WERKING AS **MANCOLAX 700 WP** NIE.

PRODUKEIENSKAPPE:

MANCOLAX 700 WP bestaan uit 'n mengsel van 'n sistemiese, beskermende en genesende swamdoder (metalaksil) en 'n residuele beskermende swamdoder (mankoseb). Metalaksil word deur die wortels, blare en groen stamdele geabsorbeer en opwaarts in die plant getranslokeer. Absorpsie vind baie vinnig plaas (gewoonlik binne een uur) wanneer die produk op blare toegedien word.

WEERSTANDSWAARSKUWING:

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

Om weerstand teen swamdoders te vertraag:

- Vermyn die eksklusiewe herhaaldelike gebruik van swamdoders met dieselfde groepkode. Wissel af met, of gebruik tenkmengsels van geregistreerde produkte in verskillende swamdodergroepkodes.
- Raadpleeg toepaslike individuele produketikette wanneer daar afgewissel word, of tenkmengsels gemaak word, met produkte in verskillende swamdodergroepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in siektebeheerprogramme

MANCOLAX 700 WP beheer siektes wat deur Oömycetes swamme, soos Laatroes (*Phytophthora infestans*) en Donsige skimmel (*Plasmopara viticola*), veroorsaak word. Die effektiwiteit van **MANCOLAX 700 WP** mag nadelig beïnvloed word in gebiede wat bekend is dat daar weerstandbiedende rasse of isolate van die siektes gelys op hierdie etiket, in gewasse, voorkom. Die volgende gebiede het 'n geskiedenis van weerstandbiedendheid van rasse of isolate teenoor fenielamiedswamdoders bv. metalaksil:

Donsige skimmel op druiwe – verskeie gebiede van die Suidwes-Kaap
Laatroes op aartappels – Gamtoos Valleie, George, Sandveld & Wes-Kaap asook ander streke in Suid-Afrika

Verwys na bogenoemde notas oor hoe om weerstand te vermyn óf te bestuur.

Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.

MANCOLAX 700 WP moet in 'n voorkomende beheer spuitprogram gebruik word.

VERENIGBAARHEID:

Die verenigbaarheid van **MANCOLAX 700 WP** met ander produkte kan beïnvloed word deur die formulering van die produkte betrokke asook deur die kwaliteit van die water. Aangesien die formulering van ander produkte kan verander en die kwaliteit van die water ook van plaas tot plaas kan varieër, moet 'n fisiese verenigbaarheidstoets altyd uitgevoer word voordat gespruit word. Ingeval van enige onsekerheid, kontak u plaaslike verspreider.

VERMENGINGSINSTRUKSIES:

Meng die verlangde hoeveelheid **MANCOLAX 700 WP** eers met 'n klein volume water sodat 'n dun room verkry word. Maak die spuittenk halfvol met skoon water, en terwyl geroer word, voeg die dun room deur 'n 50 maas sif by. Vul die tenk aan tot die benodigde volume met water. Roer goed gedurende die volmaakproses en gedurende bespuiting. Die aangemaakte spuitmengsel moet onmiddellik uitgespuit word en moenie vir enige onbepaalde tydperk bv. oornag laat oorstaan nie.

GRONDTOEDIENING:

MANCOLAX 700 WP kan toegedien word deur gebruik te maak van konvensionele hoë volume spuittoerusting. Die spuitstukke moet toegerus wees met holkeëlsputpunte wat medium tot fyn druppels kan lewer. Die toerusting moet gekalibreer word vóór toediening om te verseker dat die teiken dosis gelewer word. Die verspreiding van die spuitmengsel moet egalig oor die teikengebied wees.

LUGTOEDIENING: (Slegs aartappels)

Lugtoediening mag slegs deur 'n geregistreerde lugbespuitingsoperateur met 'n geregistreerde en korrek gekalibreerde vliegtuig volgens die instruksies van SANS Kode 0118 (Aerial Application of Agricultural Remedies) gedoen word. Dit is belangrik om te verseker dat die spuitmengsel eweredig oor die teikenarea versprei word en dat die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is noodsaaklik dat die volgende kriteria nagekom word:

Toerusting

- Gebruik geskikte atomiseringsapparaat (hidroliese of roterende spuitkoppe) wat die vereiste druppelgrootte en bedekking van die teiken sal produseer, maar wat die minste verlies van produk deur wegdrywing sal verseker.
- Die operateur moet 'n spuitstelsel gebruik wat 'n druppelspektrum met die kleinste moontlike relatiewe span sal produseer.
- Al die spuitkoppe en atomiseerders moet in die binneste 60 - 75% van die vlerkspan geplaas word om die beweging van druppels in die vlerkvorteks in te beperk.

Toedieningsvereistes

- 'n Minimum volume van 30 – 40 l spuitmengsel per ha word aanbeveel. Aangesien hierdie produk nie teen 'n verlaagde spuitvolume getoets is nie, kan die registrasiehouer nie effektiwiteit waarborg of verantwoordelik gehou word vir enige nadelige effek indien hierdie produk teen 'n laer volume as hierbo aanbeveel, uit die lug toegedien word nie.
- 'n Druppelbedekking van 50 - 70 druppels per cm² moet op die teikenarea herwin word.
- 'n Druppelspektrum met 'n VMD van 250 mikron word aanbeveel. Verseker dat die produksie van fyn druppels, die wat kleiner as 150 mikron is, tot 'n minimum beperk word.
- Die hoogte van die spuitbalk moet tussen 3 en 4m bo die teiken gehandhaaf word.
- Moenie spuit wanneer die vliegtuig aan die bo-punt van 'n draai is of tydens 'n duik of terwyl dit uitklim of draai nie.
- Dien toe voordat die gewas te ruig word wat dit moeilik sal maak om voldoende plantdekking te verkry.

Meteorologiese Toestande

- Die verskil in temperatuur tussen die nat- en droëbollesing, soos met 'n swaaihygrometer bepaal, moet nie 8 °C oorskry nie.
- Moenie spuit indien die windspoed 15 km per uur oorskry nie.
- Moenie spuit tydens turbulente en onstabiele weerstoestande of gedurende die hitte van die dag nie.

- Bespuiting onder temperatuur inversie toestande (deur bo of binne die inversie laag te spuit) en/of hoë lugvog toestande (relatiewe humiditeit 80 % en hoër) mag tot die volgende aanleiding gee:
 - verlaagde effektiwiteit aangesien die druppels as 'n wolk in die lug bly hang en moontlik verdamp (onvoldoende bedekking op teiken),
 - skade aan nie-teiken gewasse of sensitiewe areas as gevolg van wegdrywing van die spuitwolk na nie-teiken area.

Algemeen

- Sorg dat die lande akkuraat gemerk is en die spuitoperator presies weet watter lande gespuit moet word.
- Verkry 'n versekering van die spuitoperator dat aan die bogenoemde vereistes voldoen sal word en dat die relevante data van belang in 'n logboek opgeteken word vir toekomstige verwysing.

TOEDIENINGSTABEL:

GEWAS	DOSIS	OPMERKINGS
AARTAPPELS Laatroes (<i>Phytophthora infestans</i>)	2.0 kg/ha (grondtoediening) 2.2 kg/ha (lugtoediening)	Verwys na “GEBRUIKSBEPERKINGS”. Dien chemies onverwante swamdoders toe in 'n voorkomende program en sluit MANCOLAX 700 WP in sodra 'n infeksieperiode óf siektewaarskuwing plaasvind. Herhaal elke 10-14 dae. Moenie wag totdat die siekte toeneem voordat MANCOLAX 700 WP toegedien word nie. Dien toe in 500 l water/ha (grondtoediening) en 30 – 40 l water /ha (lugtoediening).
DRUIWE (Tafel- en Wyndruiwe) Donsige skimmel (<i>Plasmopara viticola</i>)	270 g/100 l water	Verwys na “GEBRUIKSBEPERKINGS”. Dien chemies onverwante swamdoders toe in 'n voorkomende program en sluit MANCOLAX 700 WP in sodra 'n infeksieperiode óf siektewaarskuwing plaasvind. Herhaal elke 10-14 dae. Moenie wag totdat die siekte toeneem voordat MANCOLAX 700 WP toegedien word nie. Vermeerder die spuitvolume geleidelik tot en met die ertjekorrelgroottestadium en verseker deeglike bedekking van die gewas. Dien 250 -1 000 l water/ha toe in wyndruiwe. Dien 500 -1 200 l water/ha toe in tafeldruiwe. • Moenie later as einde Desember toegedien word nie. • Moenie in tafeldruiwe toedien nadat ertjekorrelgroottestadium bereik is nie.
PYNAPPELS Wortel- en kroon stamvrot (<i>Phytophthora</i> spp.)	5.0 kg/ha	Tydens plant: Dien MANCOLAX 700 WP as 'n algehele gronddeurdrenking bespuiting toe in 2 000 – 3 000 l water/ha onmiddellik na plant. Volg 3 - 6 maande later op en daarna elke 3 maande . Gevestigde plante: Dien MANCOLAX 700 WP toe in 2 000 - 3 000 l water/ha met 3 tussenposes.
TAMATIES Laatroes (<i>Phytophthora infestans</i>) Vroeë roes (<i>Alternaria solani</i>) Blaarvlek (<i>Septoria lycopersici</i>)	270 tot 360 g/100 l water	Verwys na “GEBRUIKSBEPERKINGS”. Dien chemies onverwante swamdoders toe in 'n voorkomende program en sluit MANCOLAX 700 WP in sodra 'n infeksieperiode óf siektewaarskuwing plaasvind. Herhaal elke 7 dae. Moenie wag totdat die siekte toeneem voordat MANCOLAX 700 WP toegedien word nie. Dien toe in 500 - 2 000 l water/ha, afhangende van die plantgrootte. Dien die hoër dosis toe onder toestande van hoë infeksie- en siektedruk. Nota: <i>Alternaria</i> en <i>Septoria</i> word deur die mankoseb komponent beheer en opvolgtoedienings met 'n geskikte swamdoder word aanbeveel sodra meer as 13 mm reën voorkom óf oorhoofse besproeiing plaasvind.
YOUNGBESSIES & BOYSENBESSIES Donsige skimmel (<i>Perenospora rubi</i>)	270 g/100 l water	Verwys na “GEBRUIKSBEPERKINGS”. MANCOLAX 700 WP toedienings moet ongeveer twee weke na groenpunt begin. Herhaal met 14 dae tussenposes. Moenie wag tot die siekte toeneem voordat MANCOLAX 700 WP toegedien word nie. Dien toe met hoë volume tot punt van afloop en verseker dat plante deeglik bedek word.