

WARNINGS

Hazard Statements: 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. Harmful to aquatic life with long lasting effects.

Re-Entry Interval: Minimum number of days between last application and harvest or feeding.

Beans, cruciferae, cucurbits, peas, potatoes, tomatoes	3 days
Groundnut hay (feeding)	21 days
Apricots, peaches	28 days
Table grapes	28 -42 days
Wine grapes	14 days
All other edible crops mentioned	14 days

NOTE: The recommended withholding periods meet local residue level requirements and not necessarily the requirements for export. When the crop is destined for export, consult the requirements and guidelines for export before the product is used.

- Handle with care.
- Never allow **FARMAG MANCOZEB 800 WP** to become wet during storage as this may lead to certain chemical changes which will adversely affect its fungicidal activity and create vapours which may be flammable. Do not store near open flame and keep container well closed when not in use.
- 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.
- **Aerial application:** Notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Avoid overlapping of applications and do not spray 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 soil, 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, 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 leaflet 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:

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. Obtain special instructions before use.

Prevention: Do not handle until all safety precautions have been read and understood. Do not breathe dust. Avoid breathing dust. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF ON SKIN: Wash with plenty of soap and water. IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. Specific treatment (see supplemental first aid instruction on this label). If skin irritation or rash occurs: Get medical advice/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.

- Prevent drift of spray mist onto other crops, grazing, rivers, dams or areas not under treatment.
- Clean applicator after use and dispose of wash water where it will not contaminate food, grazing, rivers, dams or boreholes.
- **CLEAN THE EMPTY PAPER BAG AS FOLLOWS:** Shake all the pesticide formulation out of the bag or box into the spray or mixing tank or if it is directly dispensed onto treatment areas, over the area. Turn the bag or box inside out. Hold the bag or box over the spray or mixing tank or treatment area and rinse the bag or box with running water for thirty seconds. Shake the rinsate off into the tank. Repeat the rinsing twice. Cut the bag or box into pieces and dispose of via normal refuse disposal. Do not bury, burn or donate the bag or box to any other parties that may use it as container for food stuffs.
- Prevent contamination of food, feeds, drinking water and utensils

FARM:AG

MANCOZEB 800 WP

Reg. No. / Nr L4754 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

M3

FRAC SWAMDODER GROEPKODE

An organic wettable powder fungicide for the preventive control of diseases as listed on a wide range of crops.

'n Organiese benatbare poeier swamdoder vir die voorkomende beheer van siektes op 'n wye reeks gewasse.

ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL:

Mancozeb (dithiocarbamate).....800 g / kg.....Mankoseb (ditiokarbamaat)



DANGER

Hazard Statements:

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.
Harmful to aquatic life with long lasting effects.

Precautionary Statements:

Avoid breathing dust.
IF ON SKIN: Wash with plenty of soap and water.
IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
If skin irritation or rash occurs: Get medical advice/attention

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
Castle Ag-Chem (PTY) LTD.
Reg. Nr.: Reg. No. 2007/033120/07
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

100663

RELEVANT SUBSTANCES

NAME	PRODUCT IDENTIFIER
Mancozeb TC	CAS-No.: 8018-01-7
Alkyl aryl sulphonate	CAS-No.: 26264-05-1

MODE OF ACTION:

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.

USE RESTRICTIONS:

- Do not apply on table grapes when fruits have reached pea-size (4 to 6 weeks prior to harvest) as this may cause tarnishing.
- Do not use on tobacco seedlings.

DIRECTIONS FOR USE: Use only as indicated.

COMPATIBILITY:

FARMAG MANCOZEB 800 WP is compatible with most fungicides and insecticides but should not be used with alkaline products such as lime sulphur or Bordeaux Mixtures. Do not use **FARMAG MANCOZEB 800 WP** with calcium arsenate or urea on citrus.

MIXING INSTRUCTIONS:

The required amount of **FARMAG MANCOZEB 800 WP** should be premixed as a slurry and slowly added to the spray tank while it is being filled with water. It is essential that agitation be maintained while mixing and during the spray operation. **FARMAG MANCOZEB 800 WP** must be thoroughly mixed before adding an emulsifiable concentrate to the spray tank.

APPLICATION INSTRUCTIONS:

Apply as a full cover preventive spray to ensure complete coverage of upper and lower leaf surfaces. Begin applications when weather conditions (high temperature and humidity) favour the rapid development and spread of disease and repeat at intervals as specified per crop.

Do not use overhead irrigation just prior to application of **FARMAG MANCOZEB 800 WP**.

Apples and Pears: Low volume (LV) application can be performed with **FARMAG MANCOZEB 800 WP**. Refer to table below for instructions. Follow these instructions carefully.

AERIAL APPLICATION:

Aerial application of **FARMAG MANCOZEB 800 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:

Volume: A spray mixture volume of 30 to 40 litres 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 aurally at a lower volume rate than recommended.

Droplet coverage: 50 to 70 droplets per cm² must be recovered at the target area.

Droplet size: A droplet spectrum with a VMD of 200 to 250 micron is recommended. Limit the production of fine droplets, less than 150 micron (high drift and evaporation potential), to a minimum.

Flying height: Maintain the height of the spray boom at 3 to 4 meters above the target. Do not spray when aircraft is diving, climbing or when banking.

- Use suitable atomizing 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 atomizers within the inner 60 to 75% of the wingspan to prevent droplets from entering the wingtip vortices.
- 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 per hour.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.

- Spraying under temperature inversion conditions (spraying in or above 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.
- Ensure that the aerial spray operator knows exactly which fields to spray.

Obtain an assurance from the aerial operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

CROP/DISEASE	DOSAGE / 100 ℓ WATER OR AS INDICATED	REMARKS
APPLES and PEARS Scab	150 g (2,25-5,25 kg/ha)	Preblossom: Apply 3 times, first at greentip and last just prior to blossom. Postblossom: Cover spray immediately after blossoming (75% petal drop). Repeat 4-6 times at 7-14 day intervals.
APRICOTS, PEACHES, PLUMS Rust	150 g (2,25-4,5 kg/ha)	Apply 3-4 sprays at 10-14 day intervals Winter rainfall region: Apply from beginning of early November. For <u>plums</u> begin spraying in mid December and apply 2 sprays at 10 day intervals. Summer rainfall region: Apply from middle February.
Gumspot	150 g (1,8-3,75 kg/ha)	Apply at 90% petal fall and repeat at 10-14 day intervals. On peaches an additional two applications can be made in autumn, first just after harvesting and second at 75% leaf drop.
APRICOTS, PEACHES Freckle	150 g (1-4 kg/ha)	Winter rainfall region: Apply at 75 %-100 % petal drop and repeat 14 day later if necessary. Repeat application on late cultivars every 4 weeks should wet conditions prevail. Summer rainfall region: Apply 3 weeks after petal drop and repeat 14 day later if necessary. Repeat application on late cultivars every 4 weeks should wet conditions prevail.
BANANAS Sigatoka	2,5 kg + 4-5 ℓ light/medium mineral oil/ha	Apply as a low volume application. First spray towards end of November and repeat every 25 days until end of rainy season.
BEANS Rust Anthracnose	200 g (1-4 kg/ha)	Commence spraying at first sign of disease and repeat at 7-14 day intervals. For anthracnose commence spraying when first flowers appear. Dosage depends upon plant density and size.
BOOYSEN - & YOUNGBERRIES Anthracnose Downy mildew	150 g (1-4 kg/ha)	Commence spraying at first sign of disease (approximately 14 days after greentip) and repeat at 7-10 day intervals. Dosage depends on plant size.
CRUCIFERAE Downy mildew	200 g (1-4 kg/ha)	Commence spraying at 4-6 leaf stage or when disease appears and repeat at 7-10 day intervals. Add a suitable wetter/spreader to the spray mixture. Treat seedbeds at 3-5 day intervals. Dosage depends upon plant density and size.
CITRUS Black spot Melanose	200 g (1-4 kg/ha) 200 g 1st and 2nd spray then 150 + 600 mℓ light/ medium mineral oil in next 2-3 sprays	Normal season: When rainfall from July to September is normal apply during the third week in October and repeat 3 times at 25 day intervals. Wet season: When rainfall from July to September is above normal spray at 100 % petal drop and repeat 4 times at 25 day intervals.

CURCUBITS Anthracnose Downy mildew	200 g (1-4 kg/ha)	Apply at first sign of disease. Ensure upper and lower leaf surfaces are thoroughly wetted. Repeat at 7-10 day intervals.
GRAPEVINES Downy Mildew	200 g (1-1,5 kg/ha) 200 g (1,5-2 kg/ha) 200 g (2-3 kg/ha)	Preblossom: Apply first spray when young shoots have reached a length of 10 cm. Depending upon weather conditions further sprays should be applied at 7-10 day intervals. During this period use 500-750 ℓ spray mixture per ha. Blossom- 80 % calyx fall: Applications are necessary only if the blossom period is longer than 14 days. Apply 750-1000 ℓ spray mixture per ha. Post blossom: Apply 2 or more sprays using 1 000-1500 ℓ spray mixture per ha at 7-14 day intervals depending upon weather conditions. Application of FARMAG MANCOZEB 800 WP should be made before <u>overhead</u> irrigation.
GROUNDNUTS Leaf spot (<i>Cercospora spp.</i>)	200 g (2-3 kg/ha) 2 kg/ha 3 kg/ha	Commence spraying at first signs of disease and apply 5 or more sprays at 14 day intervals depending upon conditions. Dryland: Apply in 400-500 ℓ water. Irrigated land: Apply in 1 000 ℓ water.
MANGOES Antracnose	200 g (1-4kg/ha)	Apply first spray when panicles appear but before flowers open. Apply second spray at fruit set and thereafter at 14-21 day intervals. Add a wetter.
ONIONS Downy Mildew	300 g (1-4 kg/ha)	Commence spraying at 4-6 leaf stage or when disease appears and repeat at 7-10 day intervals. Add a suitable wetter/spreader to the spray mixture and ensure thorough coverage. Apply up to 1 000 ℓ spray mixture per ha. Spray interval and dosage depend on weather conditions favouring diseases development.
ORNAMENTALS & FLOWERS Anthracnose Downy mildew Rust	200 g	Apply at first signs of diseases and repeat at 7-10 day intervals.
PEAS Downy Mildew	200 g (1-4 kg/ha)	Commence spraying at first signs of diseases applying up to 2 000 ℓ spray mixture ha and repeat at 7-10 day intervals. Dosage depends upon plant density and size.
POTATOES Early blight Late Blight Fusarium dry rot	2-3 kg/ha 200 g 300 g	Commence spraying when plants are 15 cm high or at first signs of diseases or when blight threatens and repeat at 7-10 day intervals and after rain or overhead irrigation. LV. Apply in 200-300 ℓ water. HV. Depending upon plant size apply up to 1 000 ℓ spray mixture per ha. Seed potatoes only: Treated potatoes <u>not for consumption</u> . Treat the potatoes as soon after harvest as possible and before eyes develop. Dip the whole or cut potato tubers in the mixture for ½-1 minute. Place the treated tubers in disease free containers or store in bulk under cool temperatures and high humidity. Change dipping solution frequently especially if the potatoes have a film of soil.
TOMATOES Early blight Late blight <i>Septoria</i> leaf spot	200 g	Commence spraying shortly after transplanting. Apply in 500-2 000 ℓ spray mixture per ha depending upon plant size and density and repeat at 7-10 day intervals. For low volume application adjust the spray tank concentration to apply not more than 20 times the dosage indicated. Repeat application after rain or overhead irrigation.

*Sporekill (Reg. No. L7115) is the registered trademark of I.C.A. International Chemicals.





WAARSKUWINGS:

Gevaarstellings: Kan 'n allergiese vrelaksie veroorsaak. Word vermoed dat dit kanker veroorsaak. Kan vrugbaarheid of die ongebore kind beskadig. Mag skade aan organe veroorsaak deur langdurige of herhaalde blootstelling. Baie giftig vir waterlewe. Skadelik vir waterlewe met langdurige effekte.

- **Onthoudingsperiodes:** Minimum aantal dae tussen laaste toediening en oes of voer.

Aartappels, boontjies, ertjies, kool- en pampoengewasse, tamaties.....	3 dae
Grondboonhooi (voer)	21 dae
Appelkose, perskes	28 dae
Tafeldruiwe	28 -42 dae
Wyndruiwe	14 dae
Alle ander eetbare gewasse genoem	14 dae

LET WEL: Die genoemde onthoudingsperiodes voldoen aan die plaaslike vereistes vir residuvlakke en nie noodwendig aan die vereistes vir uitvoer nie. Indien gewas vir uitvoer bestem is, raadpleeg riglyne en vereistes vir uitvoer, alvorens die produk gebruik word.

- Hanteer versigtig.
- Moet nie toelaat dat **FARMAG MANCOZEB 800 WP** klam word gedurende opberging nie, aangesien dit sekere chemiese veranderinge kan veroorsaak wat die swamdoder se doeltreffendheid kan benadeel en ook vlambare gasse mag vorm. Moet nie naby oop vlamme bêre nie en hou houer deeglike toe wanneer nie in gebruik is nie.
- Hou buite die 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 alle inwoners in die nabye omgewing in kennis van die lugbespuiting en reik die nodige waarskuwings uit. Vermoort oortuiging van bespuiting of wegdrywing van spuitstof wat water en aangrensende gebiede kan besoedel.

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 stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die siektes teen die 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 effek op mens of dier of vir 'n gebrek aan prestasie as gevolg van die 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:

Voorsorgstellings

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

Voorkoming: Moet nie hanteer voordat alle veiligheidsmaatreëls gelees en verstaan is nie. Moe nie stof inasem nie. Vermoort asemhaling van stof. Besoedelde werksklere moet nie uit die werkplek toegelaat word nie. Vermoort vrylating na die omgewing. Dra beskermende handskoene/ beskermende klere/oogbeskerming/gesigbeskerming.

Reaksie: INDIEN OP DIE VEL: Was met baie seep en water. INDIEN blootgestel of bekommerd: Kry mediese advies/aandag. Kry mediese advies/aandag as jy onwel voel. Spesifieke behandeling (sien aanvullende noodhulpinstruksies op hierdie etiket). Indien velirritasie of uitslag voorkom: Kry mediese advies/aandag. Trek besoedelde klere uit en was dit voor hergebruik. Versamel gemors.

Berging: Stoor toegesluit.

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

- Voorkom wegdrywing van spuitnewel na ander gewasse, weiding, riviere, damme en gebied nie onder behandeling nie.
- Maak toedieningapparaat deeglik skoon na gebruik en raak van speelwater ontslae waar dit nie gewasse, weiding, riviere, damme of boorgate sal besoedel nie.
- **MAAK DIE LEE PAPIERSAK SKOON SOOS VOLG:** Skud al die plaagdoderformulering uit die sak of boks in die spuit- of mengtenk of indien dit direk op behandelingsareas uitgegee word, oor die area. Draai die sak of boks binneste buite. Hou die sak of boks oor die spuit- of mengtenk of behandelingsarea en spoel die sak of boks met lopende water vir dertig sekondes uit. Skud die speelwater in die tenk af. Herhaal die spoel twee keer. Sny die sak of boks in stukke en gooi weg deur normale vullisverwydering. Moet nie die sak of boks aan enige ander partye wat dit

- as houer vir kos gebruik, begrawe, verbrand of skenk nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

RELEVANTE STOWWE:

NAAM	PRODUK IDENTIFISEERDER
Mankoseb TS	CAS-Nr.: 8018-01-7
Alkielarielsulfonaat	CAS-Nr.: 26264-05-1

WYSE VAN AKSIE:

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

GEBRUIKSBEPERKINGS:

Moet nie op tafeldruiwe na erjiekorrelgrootte toedien nie (4 tot 6 weke voor oes) aangesien verkleuring veroorsaak mag word. Moet nie op tabaksaailinge gebruik nie.

GEBRUIKSAAWYSINGS: Gebruik slegs soos aangedui.

VERENIGBAARHEID:

FARMAG MANCOZEB 800 WP is mengbaar met die meeste swamdoders en insekdoders maar moet nie met alkalies produkte soos kalkswael of Bordeaux-mengsel gemeng word nie. Moenie **FARMAG MANCOZEB 800 WP** met kalsium of ureum op sitrus gebruik nie.

MENGINSTRUKSIES:

Die benodigde hoeveelheid **FARMAG MANCOZEB 800 WP** word as 'n flodder voorberei en word dan stadig in die spuittenk gevoeg terwyl die tenk met water gevul word. Dit is noodsaaklik dat die spuitmengsel aanhoudend geroer word gedurende die meng en toedieningsproses. **FARMAG MANCOZEB 800 WP** moet goed met water gemeng word voordat emulgeerbare konsentrate in die spuittenk bygevoeg word.

TOEDIENINGSAANWYSINGS:

Dien toe as 'n voldek- voorkomende bespuiting en verseker dat die boonste en onderste blaaroppervlakke deeglike bedek word. Begin die bespuiting wanneer weertoestande (hoë temperature en humiditeit) gunstig is vir die ontwikkeling en verspreiding van die swamsiekte en herhaal soos per gewas aangedui.

Moet nie sprinkelbesproei net voordat **FARMAG MANCOZEB 800 WP** toegedien word nie.

Appels en Pere: Lae volume (LV) toediening kan met **FARMAG MANCOZEB 800 WP** gedoen word. Verwys na aanwysings in die tabel hieronder. Volg hierdie aanwysing noukeurig.

Do not use overhead irrigation just prior to application of **FARMAG MANCOZEB 800 WP**.

LUGTOEDIENING:

FARMAG MANCOZEB 800 WP kan slegs deur 'n geregistreerde lugbespuitingsoperateur met korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SANS Kode 10118 (Aerial Application of Agricultural Pesticides) uit die lug bespuit word. Verseker dat die spuitmengsel eweredig oor die teikenarea versprei word en die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is daarom belangrik om aan die volgende vereistes te voldoen:

- **Volume:** 'n spuitmengsel volume van 30 tot 40 liter per hektaar word aanbeveel. Hierdie produk is nie teen 'n verlaagde volume getoets nie. Die registrasiehouer kan nie effektiwiteit waarborg, of verantwoordelik gehou word vir enige nadelig effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, toegedien word nie.
- **Druppelbedekking:** 50 tot 70 druppels per cm² moet op die teikenarea herwin word.
- **Druppelgrootte:** 'n druppelspektrum met 'n VMD van 200 tot 2650 mikron word aanbeveel. Beperk die produksie van druppels kleiner as 150 mikron (hoë drywing en verdampingspotensiaal) tot 'n minimum.
- **Vlieghoogte:** Handhaaf die hoogte van die spuitbalk bo die teiken op 3 tot 4 meter. Moet nie spuit wanneer die vliegtuig duik, uitklim of draai nie.
- Gebruik geskikte **atomiseringsapparaat** wat die vereiste druppelgrootte en bedekking sal produseer, maar die minste verlies van produk verseker. Die spuitstelsel moet 'n druppelspektrum met die kleinste moontlike Relatiewe Span produseer.
- Plaas al die atomiseerders in die binneste 60 tot 75% van die vlerkspan om te verhoed dat druppels binne-in die **vlerkpuntvorteks** beweeg.

- Die verskil in temperatuur tussen die nat- en droëboltermometer van 'n swaaihigrometer, moet nie 8°C oorskry nie.
- Stop bespuiting indien die windspoed 15 km per uur oorskry.
- Stop bespuiting tydens turbulente, onstabiele en droë toestande gedurende die hitte van die dag.
- Bespuiting onder temperatuur inversie toestande (deur bo of binne die inversie lag te spuit) en/of hoë lugvog toestande (relatiewe humiditeit 80% en meer) mag tot volgende aanleiding gee:
 - verlaagde effektiëteit aangesien die druppels as 'n wolk in die lug bly hang en moontlik verdamp (onvoldoende bedekking op teiken).
 - skade aan nie-teiken gewasse en/of sensitiewe areas as gevolg van wegdrywing van die spuitwolk na nie-teiken area.
- Verseker dat die lugbespuitingsoperateur presies weet watter lande bespuit moet word.
Dit is noodsaaklik om 'n versekering van die lugbespuitingsoperateur te verkry dat aan al die bogenoemde vereistes voldoen sal word en dat data van belang in 'n logboek saamgevat is vir toekomstige verwysing.

CROP/DISEASE	DOSAGE / 100 ℓ WATER OR AS INDICATED	REMARKS
APPELS, PERE Skurfsiekte	150 g (2,25-5,25 kg/ha)	Voor blomtyd: Dien 3 keer toe, die eerste by groenpunt stadium en die laaste net voor blom. Na blomtyd: 'n Dekbespuiting direk na blom (75% blomblaarval). Herhaal 4-6 keer elke 7-14 dae.

APPELKOSE, PERSKES, PRUIE Bruinroes	150 g (2,25-4,5 kg/ha)	Winterreënvalstreek: Dien toe vanaf begin November. Vir pruime begin bespuitings in middel Desember en dien 2 keer toe met 10 dae tussenposes. Sommerreënvalstreek: Dien toe vanaf begin middel Februarie.
	Gomvlek	150 g (1,8-3,75 kg/ha)

APPELKOSE, PERSKES Sproetsiekte	150 g (1-4 kg/ha)	Winterreënvalstreek: Dien toe met 75 %-100 % blomblaarval en herhaal met 14 dae later indien nodig. Herhaal toediening op laatkultivars elke 4 weke indien nat toestande heers. Somerreënvalstreek: Dien 3 weke na blomblaarval toe en herhaal met 14 dae later indien nodig. Herhaal toediening op laatkultivars elke 4 weke indien nat toestande heers.
PIESANGS Sigatoka	2,5 kg + 4-5 ℓ ligte/medium minerale olie/ha	Dien toe as 'n lae volume bespuiting. Begin toedien einde van November en herhaal elke 25 dae tot die einde van die reën seisoen.
BOONTJIES Antraknose Bruinroes	200 g (1-4 kg/ha)	Begin toediening sodra simptome opgemerk word en herhaal elke 7-14 dae. In die geval van antraknose dien toe sodra die eerste blomme verskyn. Dosis hang af van plantgrootte en -digtheid.
BOYSENBESSIES, YOUNGBESSIES, Donsige skimmel	150 g (1-4 kg/ha)	Dien toe met eerste tekens van simptome (ongeveer 14 dae na groenpuntstadium) en herhaal elke 7-10 dae. Die dosis hang af van die plantgrootte.
KOOLGEWASSE Donsige skimmel	200 g (1-4 kg/ha)	Dien toe wanneer plante 4-6 blaarstadium bereik of wanneer siektes dreig en herhaal elke 7-10 dae. Voeg 'n benattings/ verspreimiddel by spuitmengsel. Spuit saadbedding elke 3-5 dae. Dosis hang af van plantstand en -grootte.
SITRUS Swartvlek Melanose	200 g (1-4 kg/ha) 200 g 1 ^{ste} en 2 ^{de} bespuiting daarna 150 + 600 ml ligte/ medium minerale olie in volgende 2-3 bespuitings.	Normale seisoen: Met normale reënval tussen Julie tot September, dien toe gedurende die derde week van Oktober en herhaal 3 keer met 25 dae tussenposes. Nat seisoen: Wanneer reënval tussen Julie en September bo normaal is, spuit na blom (100 % blomblaarval) en herhaal 4 keer met 25 dae tussenposes.
PAMPOENGWASSE Antraknose Donsige skimmel	200 g (1-4 kg/ha)	Dien toe wanneer eerste simptome verskyn. Maak seker dat die boonste en die onderste blaaroppervlakke deeglike benat word. Herhaal elke 7-14 dae.
GRONDBONE Blaarvlek (<i>Cercospora asp.</i>)	200 g (2-3 kg/ha) 2 kg /ha 3 kg/ha	Begin spuit met die eerste tekens van die siektes en dien 5 of meer bespuitings met tussenposes van 14 dae toe afhange van toestande. Droëland: Dien toe in 400-500 ℓ water. Besproeide lande: Dien toe in 1 000 ℓ water.
MANGO'S Antraknose	200 g (1-4 kg/ha)	Dien eerste bespuiting toe wanneer die blomtrosse verskyn maar voor die bloeiseleis oop gaan. Dien tweede bespuiting toe met vrugset en herhaal daarna met tussenposes van 14-21 dae. Voeg 'n benatter by.
UIE Donsige skimmel	300 g (1-4 kg/ha)	Begin bespuiting wanneer plante 4-6 blare het of wanneer siekte dreig en herhaal elke 7-10 dae. Voeg 'n geskikte benatter/verspreider by die spuitmengsel en verseker goeie bedekking. Dien teen 1 000 ℓ spuitmengsel per ha toe. Spuitinterval en dosis hang af van toestande gunstig vir die ontwikkeling van die siekte.

BLOMME & SIERPLANTE Antraknose Bruin roes Donsige skimmel,	200 g (1-4 kg/ha)	Wend aan met die eerste tekens van die siektes en herhaal elke 7-10 dae.
ERTJIES Donsige skimmel	200 g (1-4 kg/ha)	Wend aan met die eerste tekens van die siektes en gebruik tot soveel as 2 000 ℓ spuitmengsel per ha en herhaal elke 7-10 dae. Dosis hang af van plantdigtheid en grootte.
AARTAPPELS Vroeë roes Laat roes (vervolg) Fusarium	2-3 kg/ha 200 g ----- 300 g	Begin bespuiting wanneer plante 15cm hoog is of met eerste tekens van siektes of as roes 'n bedreiging inhou en herhaal elke 7-10 dae en na reën of sprinkelbesproeiing. LV. Dien in 200-300 ℓ water toe. HV. Afhangende van plant grootte dien tot soveel as 1 000 ℓ spuitmengsel per/ha toe.
TAMATIES Vroeë roes Laat roes Septoria-blaarvlek	200 g	Dien toe net na uitplanting. Gebruik 500-2 000 ℓ spuitmengsel per ha afhangende van plantgrootte en -digtheid en herhaal elke 7-10 dae. Vir lae volume bespuiting moet die spuitkonsentrasie verander word om nie meer as 20 keer die aanbevole dosis toe te dien nie. Herhaal na reën of sprinkelbesproeiing.
WINGERD Donsige skimmel	200 g (1-1,5 kg/ha) 200 g (1,5-2kg/ha) 200 g (2 - 3 kg/ha)	Voor blom: Dien die eerste bespuiting toe wanneer die jong lote 'n lengte van 10 cm bereik het. Verdere bespuitings, afhangende van weerstoestand, moet met tussenposes van 7-10 dae toegedien word. Gedurende hierdie periode gebruik 500-750 ℓ spuitmengsel per ha. Blom-80% kappieval: Toedienings slegs nodig as die blom periode langer as 14 dae is. Dien 750-1 000 ℓ spuitmengsel per ha toe. Nablom: Dien 2 of meer bespuitings teen 1 000-1500 ℓ spuitmengsel per ha toe met 7-14 dae tussenposes afhangende van weerstoestand. Behandeling met FARMAG MANCOZEB 800 WP moet voor sprinkelbesproeiing geskied.



FARMAG

MANCOZEB 800 WP

Reg. No. / Nr L4754 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

M3

FRAC SWAMDODER GROEPKODE

An organic wettable powder fungicide for the preventive control of diseases as listed on a wide range of crops.

'n Organiese benatbare poeier swamdoder vir die voorkomende beheer van siektes op 'n wye reeks gewasse.

ACTIVE INGREDIENT/AKTIEWE BESTANDEDEEL:

Mancozeb (dithiocarbamate).....800 g / kg.....Mankoseb (ditiokarbamaat)



DANGER

Hazard Statements:

- 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.
- Harmful to aquatic life with long lasting effects.

Precautionary Statements:

- Avoid breathing dust.
- IF ON SKIN: Wash with plenty of soap and water.
- IF exposed or concerned: Get medical advice/attention.
- Get medical advice/attention if you feel unwell.
- IF skin irritation or rash occurs: Get medical advice/attention

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
Castle Ag-Chem (PTY) LTD.
Reg. Nr.: Reg. No. 2007/033120/07
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

100663

165(H) x 140(W) mm

CYAN

MAG

YEL

BLK

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