Dow AgroSciences

DITHANE 750 WG NEOTEC

FUNGICIDE

Reg No L4213 Act/Wet Nr. / No. 36 of / van 1947

WATER DISPERSABLE GRANULE FUNGICIDE

WATER DISPERGEERBARE KORREL SWAMDODER

A WATER DISPERSABLE GRANULE CONTACT FUNGICIDE/ACARICIDE FOR THE PREVENTION AND CONTROL OF A NUMBER OF FUNGUS DISEASES ON CROPS LISTED BELOW.

'N WATER DISPERGEERBARE KORREL KONTAK SWAMDODER/ MYTDODER VIR DIE VOORKOMING EN BEHEER VAN VERSKILLENDE SWAMSIEKTES OP GEWASSE SOOS AANGEDUI.

FRAC: FUNGICIDE GROUP CODE M3

FRAC: SWAMDODERGROEP KODE M3

Active Ingredient / Aktiewe Bestanddeel

Mancozeb……...750 g/kg …….……Mankoseb

NET CONTENTS …… **20 kg** …….. NETTO INHOUD

REGISTRATION HOLDER / REGISTRASIEHOUER
DOW AGROSCIENCES SOUTHERN AFRICA (PTY) LTD / (EDMS) BPK
REG NO 1967/007147/07
PRIVATE BAG X160 PRIVAATSAK
BRYANSTON 2021

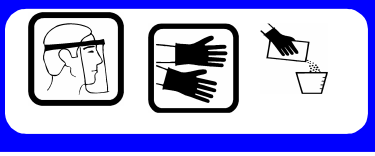
Batch Number . . . . ……..…….. …….Lotnommer

Date of Manufacture …… ……..…….. Vervaardigingsdatum

UN NUMBER: 3077

Tygerberg Poison Information Centre: (021) 931-6129
Griffon Poison Information Centre: 082-446-8946
24 Hour Emergency Tel No: (032) 533-0716/082-887-8079
Information Hotline Tel No: (012) 361-8112

DITHANE 750 WG NEOTEC/2013-03-05



CAUTION
VERSIGTIG

DITHANE 750 WG NEOTEC/2013-03-05

WARNINGS:

If **DITHANE 750 WG NEOTEC** is used on harvest and fodder crops, the following withholding periods (Number of days between last application and harvesting) must be observed:

Table Grapes ……..	4-6 weeks
Wine Grapes ……..	14 days
Groundnut foliage to be used as fodder ……..	21 days
Tomatoes, beans, peas and cucurbits ……..	3 days
Peaches and apricots ……...	28 days
Apples and pears ……..	14 days
Olives ……..	14 days
All other edible crops ……..	14 days
Mangoes …….	60 days

THE RECOMMENDED WITHHOLDING PERIOD BETWEEN LAST APPLICATION AND HARVEST MEETS LOCAL RESIDUE LEVEL REQUIREMENTS, BUT MAY NOT MEET EXPORT REQUIREMENTS.

Handle with care.
May cause irritation of the eyes and air passages.
Toxic to fish.
Store in a cool, dry place, away from food and feedstuffs.
Keep out of the reach of children and animals.
Keep the container well closed when not in use.
If the chemical is allowed to get damp and then warmed up, it may generate flammable vapours and should therefore be kept away from sparks and open flames.
DO NOT USE **DITHANE 750 WG NEOTEC** ON TOBACCO SEEDLINGS

AERIAL APPLICATION: Notify all inhabitants of the immediate 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 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/pest 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 label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier or registration holder in the event of any uncertainty.

PRECAUTIONS

Avoid contact with the skin, eyes and clothes, as well as inhalation of dust and spray mist.
Wear face mask and rubber gloves when mixing product.
Wash thoroughly with soap and water after application and in case of eye contamination, rinse the eyes thoroughly with plenty of cold water and obtain medical aid if necessary.
Wash contaminated clothing.
Do not eat, drink or smoke while mixing on spraying or before washing hands and face.
Do not spray over water or allow spray drift onto water or adjacent areas not under treatment.
Prevent contamination of food, feeds, drinking water and eating utensils.
Containers and packages must be completely emptied before being disposed of. Shake out thoroughly into the mixing or spray tank before destroying the empty container.
Destroy empty container by perforation and flattening and never use for any other purpose.
Clean application equipment after use and dispose of wash water where it will not contaminate crops, pastures, rivers, dams or other water sources.
Destroy empty container by perforation, flattening and burying it and dot not use it for any other purpose. Do not burn the empty container.

RESISTANCE WARNING:

For resistance management, **DITHANE 750 WG NEOTEC** is a group code M3 fungicide. Any fungi population may contain individuals naturally resistant to **DITHANE 750 WG NEOTEC** and other group code M3 fungicides. The resistant individuals can eventually dominate the fungicide population if these fungicides are used repeatedly. These resistant fungicides may not be controlled by **DITHANE 750 WG NEOTEC** or any other group code M3 fungicide.

To delay fungicide resistance:

- Avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank-mix with products from different fungicide group codes.
- Integrate the control methods (chemical, cultural, biological) into fungicide control programmes.

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

AERIAL APPLICATION

Aerial application of **DITHANE 750 WG NEOTEC** may only be done by a registered aerial application operator using a registered and correctly calibrated 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 λ 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.
- Droplet coverage: 50 to 70 droplets per cm² must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 250 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 meters above the target. Do not spray when aircraft dives, is in a climb 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/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.
- Ensure 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 and that relevant data will be compiled in a logbook and kept for future reference.

DIRECTIONS FOR USE : Use only as directed

COMPATIBILITY

DITHANE 750 WG NEOTEC is compatible with most fungicides and insecticides, but should not be used with alkaline products, e.g. LIME SULPHUR and BORDEAUX MIXTURES. Do not use **DITHANE 750 WG NEOTEC** together with CALCIUM ARSENATE or UREA on citrus.

MIXING INSTRUCTIONS

First fill the spray tank half with water. Mix recommended quantity of **DITHANE 750 WG NEOTEC** in a little water into a slurry, add more water, stir well and add to the spray tank whilst filling with the bulk of water. When used with emulsifiable concentrates it is essential that the **DITHANE 750 WG NEOTEC** be properly creamed in a little water before adding to the spray tank. The tank should then be topped up with water and the contents well agitated before the emulsifiable concentrate is added. Maintain agitation of spray tank contents throughout spraying operation.

APPLICATION DIRECTIONS

Note: DITHANE 750 WG NEOTEC is a preventative contact fungicide and should be applied, before expected infection periods, or in regular programs. It is important to follow a programme and if significant rainfall is experienced product should be re-sprayed.

Application should be made before overhead irrigation.

Deciduous Fruits: DITHANE 750 WG NEOTEC can also been applied as a Low Volume (LV).
Rate per ha should be calculated according to the formula for "*High Volume Requirement"* (HVR), using "*Unrath's formula"* for "*Tree Row Volume*" (TRV)

$$\text{TRV} = \frac{\text{Tree Height (TH)* x Tree Width (TW)* x 937}}{\text{Distance between Rows (RW)}} = \text{HVR in liters per ha}$$

**(Tree height and tree width should be measured during summer when trees are at full flush)*

Directions for Application Volumes (AV) at different growth stages and the calculation of rate per ha, based on High Volume Requirements (HVR)

Bud Break to Full Blossom: AV = 60 % x HVR
75 % Petal Fall to One month later (Mid Season): AV = 80 % x HVR
Mid Season to Post Harvest, Before Leaf Drop: AV = 100 % x HVR

Rate per ha = $\frac{\text{(HVR) liters per ha x Rate per 100}}{100}$

Note: Application of **DITHANE 750 WG NEOTEC** should be made **before** overhead irrigation.

Measuring out dosage rate:

DITHANE 750 WG NEOTEC has been developed so that it may be measured either volumetrically or according to mass. 1 kg of **DITHANE 750 WG NEOTEC** has a volume of about 1,65 λ.

CROP AND DISEASE/ PEST	DOSAGE	REMARKS
POTATOES Early and Late Blight	1 kg/100 λ water (200 - 300 g/ 100 λ water)	Low volume application (200 - 300 λ spray mixture/ha.) High volume application (1000 λ spray mixture/ha.)
	Aerial application only. 2 - 3 kg/ha	Apply in 30 λ water/ha. In all cases commence spraying as soon plants are about 15 cm high, or when disease threatens and repeat with 7 - 10 day intervals or after rain.
Fusarium (Dry Rot, and Common Scab)	300 g/ 100 λ water	Dip the whole or cut potato tubers in the suspension. Place the treated tubers in disease-free containers or store in mass under cool temperatures and high humidity conditions. Change the dipping suspension frequently especially if the potatoes have a film of soil. For seed potatoes only.

CROP AND DISEASE/ PEST	DOSAGE	REMARKS
TOMATOES Early and Late Blight and Septoria Leaf Spot	200 g/100 λ water	Use 500 λ spray mixture/ha shortly after transplanting and increase the volume of spray mixture to 3000 λ/ha as the plants grow bigger. NOTE: **DITHANE 750 WG NEOTEC** can also be used on tomato seedlings.
GROUNDNUTS Cercospora Leaf Spot	DRYLAND: 400 g/100 λ water IRRIGATED LANDS 300 g/ 100 λ water	Use 400 - 500 λ of spray mixture/ha. Commence spraying at the very first signs of disease appearing at the base of the plant and apply 5 sprays at 14 days intervals. Use 100 λ of spray mixture per ha. Commence spraying at the very first signs of disease appearing at the base of the plant and apply 5 sprays at 14 days intervals.
MANGOES Anthracnose	200 g/ 100 λ water	Apply first spay when panicles appear but before flowers open. Apply second spray at fruit set and thereafter repeat at 14 - 21 day intervals. Do not apply **DITHANE 750 WG NEOTEC** sprays after fruit reach golf ball size.
BANANAS Sigatoka Disease	2,5 kg/100 λ water plus 4 - 5 λ light/medium mineral oil.	Apply as a low volume application. First spray towards the end of November and repeat every 28 days until after rainy season.

CROP AND DISEASE/ PEST	DOSAGE	REMARKS
CITRUS Black Spot and Melanose	(a)200 g/100 λ water (b) 200 g/100 λ water in the first 2 sprays, then 150 g/ 100 λ water plus 600 mλ light/medium mineral oil or (a registered wetter eg.) *Wetcit surfactant at 100 mλ in subsequent two or three sprays	When normal rainfall occurs during July – September, spray during the third week of October and repeat 3 times at 25 days intervals **OR** When rainfall is above normal in July-September, apply after full petal drop and repeat 4 times with 25 day intervals.
Citrus Rust Mite	75 g/100 λ water	Apply in Spring. The **DITHANE 750 WG NEOTEC** programme against black spot will also control rust mite.
Brown Rot	200 g/100 λ water	Apply 3 weeks before harvest on all fruits up to 1 meter above soil surface. Also treat stem and soil surface under the tree.
Necrostoma	200 g / 100 λ water	Apply as a cover spray early in December and repeat early in January. In case of severe infection, symptoms will only be suppressed.
Silver Mite	200 g/100 λ water	This pest can cause russetting of lemons and grapefruit during the 5 - 7 weeks period after petal fall. Apply to wet the foliage canopy and fruitlets as soon as first mite presence is noticed. Alternatively apply at petal fall to tree which suffered fruit russet the previous season. In the case of lemons, fruitlets resulting from summer blossoms are most susceptible to attack.

CROP AND DISEASE/ PEST	DOSAGE	REMARKS
PEACHES, APRICOTS AND PLUMS		
Rust	H.V 150 g/100 λ water (2,25 – 4,5 kg/ha). L.V 1,8 – 3,6 kg/ha in ¼ to 1/8 of high volume spray mixture per ha.	**Winter Rainfall Region:** Start applications early in November. **Summer Rainfall Region:** Apply from mid-February. Repeat at 10 -14 day intervals as necessary.
Gumspot	H.V 150 g/100 λ water (1,8 – 3,75 kg/ha) L.V 1,25 – 3,0 kg/ha	1. Autumn: Just after harvest. 2. Autumn: 75 % leaf drop. 3. Spring: Copper spray at bud movement. 4. Spring: 80 % petal fall. 5 & 6. Two further applications at 14 days intervals if necessary. For plums commence spraying from mid-December and apply 2 sprays at 10 day intervals.
Freckle (Apricots and peaches)	H.V 150 g/ 100 λ water (2,25-3,75 kg/ha) L.V. 1,8-3,0 kg/ha	**Winter Rainfall Region:** Apply at 75 - 100 % petal drop and repeat 14 days later. In wet seasons repeat application monthly on late cultivars. **Summer Rainfall Region:** First application 3 weeks after petal drop and again 14 days later. In wet seasons repeat application monthly on late cultivars. **NB:** No more than 6 applications should be applied during the period that fruit is on the tree.
GUAVAS Lumpy Disease and Blossom-End rot	200 g / 100 λ water	Full cover application in the early stages until fruit begins to swell. Apply at 30 day intervals for protection against lumpy disease. Full cover application 14 days before harvesting when very wet weather is experienced for protection against blossom-end rot.

CROP AND DISEASE/ PEST	DOSAGE	REMARKS
YOUNGBERRIES AND BOYSENBERRIES Downy mildew Anthracnose	1-4 kg/ha	Commence spraying at the first signs of disease appearing and repeat at 7 - 10 day intervals. Dosage depends on plant density and size. In case of Anthracnose apply as soon as the first flowers appear. Use enough water to ensure thorough wetting.
CUCURBITS Anthracnose and Downy mildew	200 g / 100 λ water	Start spraying at first signs of disease. Ensure that the lower leaf surface is thoroughly wetted. Use 1000 to 1500 λ of spray mixture/ha.
BEANS Rust Anthracnose	1-4 kg/ha	Commence spraying at the first signs of disease appearing and repeat at 7 - 10 days intervals. For Anthracnose commence spraying when first flowering appears. Dosage depends on plant density and size. Use enough water to ensure thorough wetting. For aerial application use in 30 λ water/ha.
PEAS Downy Mildew	1-4 kg/ha	Commence spraying at the first signs of disease appearing and repeat at 7-10 day intervals. Dosage depends on plant density and size. Use enough water to ensure thorough wetting. For aerial application use in 30 λ water.
ONIONS Downy mildew	1-4 kg/ha	Commence spraying at 4 - 6 leaf stage or when disease is noted and repeat at 7 - 10 day intervals. Add a wetter/spreader to the spray mixture. Dosage depends on plant density and size. Use enough water to wet the plants thoroughly.

CROP AND DISEASE/ PEST	DOSAGE	REMARKS
OLIVES Anthracnose	200 g / 100 λ water	First application in Autumn before discoloration of the fruit begins. Repeat 2 - 3 times at monthly intervals.
CRUCIFERAE Downy Mildew	1 - 4 kg/ha	Commence spraying at 4 - 6 leaf stage or when disease is noted and repeat at 7 - 10 day intervals. Add a wetter/spreader to the mixture. Treat seedbeds at 3 - 5 day intervals. Dosage depends on plant density and size. Use enough water to wet the plants thoroughly.
ORNAMENTALS Downy Mildew, Anthracnose, Rusts	150 - 200 g/100 λ water and 25 mλ Latron B-1956 Spreader/Sticker per 100 λ of spray mixture, or 1 mλ/5 λ water	Apply at first signs of disease and repeat every 7 - 10 days. Dosage depends on severity of disease. Make sure that the plants are thoroughly wetted.
APPLES AND PEARS Scab and Septoria Leaf Spot	150 g/100 λ water (3,0 - 5,25 kg/ha) Pre- blossom Post-blossom	May be applied as both pre- and post-blossom sprays. Apply 3 times with the first application when the trees reach green tip stage and the last prior to blossoming. Apply immediately after blossoming and repeat 4 - 6 times at 7 - 14 days intervals. NOTE: The spray volume required for HV or LV applications at a specific growth stage should be accurately determined according to the tree row volume method described by UNRATH (Deciduous Fruit Grower Nov. 1986). The dosage per hectare for HV or LV application is then determined by the spray volume per hectare that has been calculated for HV application.

CROP AND DISEASE/ PEST	DOSAGE	REMARKS
GRAPEVINES Table and wine grapes Dead Arm Disease (Phomopsis viticola)	200 g / 100 λ water OR 1 - 1,5 kg/ha	Apply the first treatment when the shoots reach a length of 0,5 to 1cm. Apply 3 times at intervals of 7 - 10 days prior to blossoming. Use 500 to 700 λ spray mixture/ha (high volume).
Downy Mildew (*Plasmopara viticola)*	Pre-blossom 200 g/100 λ water OR 1 - 1,5 kg/ha.	Apply first spray when young shoots have reached a length of 10 cm. Further sprays, depending on weather conditions should be applied at 7 - 10 days intervals. During this period use 500 - 750 λ (high volume) spray mixture per ha.
Table and wine grapes Downy Mildew (*Plasmopara viticola)*	Blossom – 80% calyx fall: 200 g / λ water OR 1 - 2 kg/ha.	Application necessary only if the blossoming period is longer that 14 days. Apply 750 - 1000 λ spray mixture per ha.
	Post-blossom 200 g/ 100 λ water OR 2 - 3 kg/ha	Apply 2 more applications at 7 - 14 day intervals depending on weather. Apply 1000 - 1500 λ spray mixture/ha. Do not apply **DITHANE 750 WG NEOTEC** after pea berry size on table grapes.
PAPAYA Black speckle	2 kg/ha	Apply from flowering stage at 28 day intervals. Shorten intervals to 14 days under high disease challenge. For low volume applications (25 - 40 λ spray mixture / ha) add mineral oil (light narrow spectrum) at a rate of 16 λ / 100 λ spray mixture.

*Wetcit (L7474) is the Trade name of Citrus Oil Products trading as Oro Agri SA (Pty) Ltd.

24 HOUR EMERGENCY TEL. NO. (032) 533-0716

INFORMATION HOTLINE : TEL. NO.: (012) 361-8112

WAARSKUWINGS:

Vir die gebruik van **DITHANE 750 WG NEOTEC** op oes- en voergewasse moet die volgende onthoudingsperiodes (aantal dae tussen laaste toediening en oes) toegepas word:

Tafeldruiwe …….	4-6 weke
Wyndruiwe ……..	14 dae
Grondboonhooi wat vir veevoer gebruik word ……	21 dae
Tamaties, bone, erte en pampoengewasse …….	3 dae
Perskes en appelkose ……	28 dae
Appels en pere ……	14 dae
Olywe ……	14 dae
Alle ander eetbare gewasse …….	14 dae
Mango's ……	60 dae

Die aanbevole onthoudingsperiode tussen die laaste toediening en oes voldoen aan die vereistes vir plaaslike residuvlakke, maar mag dalk nie voldoen aan die vereistes vir uitvoer nie.

Hanteer versigtig.
Mag irritasie van die oë en luggange veroorsaak.
Giftig vir visse.
Stoor in 'n koel, droë plek, weg van voedsel en voer.
Hou die houer dig toe wanneer nie in gebruik nie. Hou buite bereik van kinders en diere.

Indien die middel toegelaat word om, om die beurt, klam en dan warm te word, mag dit ontvlambare dampe vrystel en moet dit dus weggehou word van vonke en oop vlamme.

DITHANE 750 WG NEOTEC MOET NIE OP TABAKSAAILINGE GEBRUIK WORD NIE.

LUGTOEDIENING: Stel alle inwoners in die nabye omgewing van die lugbespuitingsarea in kennis en reik die nodige waarskuwings uit. Voorkom besoedeling en wegdrywe van spuitnewel na water of aangrensende gewasse en gebiede.

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 siekte/plaag teen die betrokke middel sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effek op mens en dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versuim deur 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 of registrasiehouer in geval van enige onsekerheid.

VOORSORGMAATREËLS

Vermy aanraking met die vel, oë en klere sowel as inaseming van die stof of spuitnewel.
Dra gesigsmasker en rubberhandskoene wanneer produk gemeng word.
Was deeglik met seep en water na toediening en in die geval van oogbesoedeling, spoel die oë deeglik met groot hoeveelhede koue water en kry mediese hulp indien nodig.
Was besoedelde klere.
Moet nie eet, drink of rook tydens menging en toediening of alvorens hande en gesig gewas is nie.
Houers moet goed leeggemaak word voor dit weggegooi word. Skud deeglik oor meng- of spuittenk uit voor die leë houer vernietig word.
Vernietig die leë houer deur dit te perforeer, plat te trap en te begrawe en moet dit vir geen ander doel gebruik nie. Leë houer moenie verbrand word nie.
Maak toedieningsapparaat skoon na gebruik en raak van waswater ontslae waar dit nie gewasse, weiding, riviere, damme of enige ander waterbronne sal besoedel nie.
Moet nie oor water spuit nie of toelaat dat spuitstof oorwaai om water of aangrensende gebiede nie onder behandeling nie, te besoedel.

WEERSTANDWAARSKUWING:

DITHANE 750 WG NEOTEC is ‘n groepkode M3 swamdoder. Enige populasie van ‘n spesifieke swam mag individue insluit wat ‘n natuurlike weerstand teen **DITHANE 750 WG NEOTEC** of enige ander groepkode M3 swamdoders het. Indien hierdie swamdoders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die swampopulasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur **DITHANE 750 WG NEOTEC** of enige ander groepkode M3 swamdoder beheer word nie.

Om weerstand teen swamdoders te vertraag:

- Vermy die eksklusiewe herhaaldelike gebruik van swamdoders met dieselfde groepkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende swamdodergroepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in swamdoderprogramme.

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

LUGTOEDIENING

DITHANE 750 WG NEOTEC kan slegs deur ‘n geregistreerde Lugbespuitingsoperateur met ‘n 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 nadelige 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 250 mikrons word aanbeveel. Beperk die produksie van druppels kleiner as 150 mikrons (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/h 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 laag te spuit) en/of hoë lugvog toestande (relatiewe humiditeit 80 % en meer) mag tot volgende probleme 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.
- 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.

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui

VERENIGBAARHEID

DITHANE 750 WG NEOTEC kan met die meeste swamdoders en insekmiddels gemeng word, maar moenie met alkaliese middels bv. Kalkswael en Bordeaux mengsels gebruik word nie. Moenie **DITHANE 750 WG NEOTEC** saam met Kalsium arsenaat or Ureum op sitrus gebruik nie.

MENGINSTRUKSIES

Maak eers die spuittenk half met water. Meng die aanbevole hoeveelheid **DITHANE 750 WG NEOTEC** eers met ‘n bietjie water tot ‘n dik room, voeg meer water by, roer deeglik en voeg dan in die spuittenk, terwyl die spuittenk verder gevul word.
Wanneer gebruik saam met emulgeerbare konsentrate is dit noodsaaklik om die **DITHANE 750 WG NEOTEC** met 'n bietjie water te vermeng tot 'n dik room alvorens dit by die water in die spuittenk gevoeg word. Die spuittenk moet dan verder met water gevul word en die inhoud goed geroer word voordat die emulgeerbare konsentraat bygevoeg word.
Mengsel in spuittenk moet voortdurend geroer word tydens bespuiting.

TOEDIENINGSAANWYSINGS

Nota: **DITHANE 750 WG NEOTEC** is ‘n voorkomende kontak-swamdoder en moet daarom, waar moontlik voor verwagte infeksieperiodes toegedien word of in ‘n gereelde program-bespuiting aangewend word. Dit is belangrik om ‘n program te volg en indien aansienlike reënval ervaar word, moet produk weer gespuit word.
Bespuiting moet voor oorhoofse besproeiing gedoen word.

Sagtevrugte: DITHANE 750 WG NEOTEC kan as 'n *lae volume (LV) bespuiting toegedien word.*
Dosis per ha moet volgens die formule vir “*Hoë volume Behoefte” (HVB)* bereken word, deur van die “*Unrath-formule”* “*Boom-Ry-Volume*” (BRV) gebruik te maak.

$$\textbf{BRV} = \frac{\text{Boomhoogte (BH)* x Boomwydte (BW)* x 937}}{\text{Afstand tussen rye (RW)}} = \textbf{HVB in liters per ha}$$

*(Boomhoogte en boomwydte soos tydens volle somergroei gemeet)

Riglyne vir Toedieningsvolumes (TV) by verskillende ontwikkellingstadiums en bepaling van dosis per ha, gebaseer op Hoë Volume Behoefte (HVB)

Bot tot Volblom:	**TV**	**=**	60 % x HVB
75 % Blomblaarval tot Een maand later (mid-groeiseisoen)	**TV**	**=**	80 % x HVB
Mid Groeiseisoen tot Na Oes, Voor Blaarval	**TV**	=	100 % x HVB

$$\textbf{Dosis per ha} = \frac{\textit{(HVB) Liters per ha x Dosis per 100 } \lambda}{100}$$

Opmerking: Toediening van **DITHANE 750 WG NEOTEC** moet <u>voor</u> oorhoofse besproeiing gedoen word.

UITMEET EN DOSIS

DITHANE 750 WG NEOTEC is ontwerp om beide volumetries en volgens massa gemeet te kan word. 1 kilogram **DITHANE 750 WG NEOTEC** het 'n volume van omtrent 1,65 liters.

GEWAS EN SIEKTE/ PLAAG	DOSIS	OPMERKINGS
AARTAPPELS		
Vroeë en Laatroes	1 kg/100 λ water 200 - 300 g/ 100 λ water	Lae volume bespuiting (200 - 300 λ spuitmengsel/ha). Hoë volume bespuiting (1000 λ spuitmengsel/ha.)
	Lugtoedienings alleenlik 2 - 3 kg/ha	Dien toe in 30 λ water/ha. In alle gevalle moet toediening begin sodra die plante ongeveer 15 cm hoog is, of as roes 'n bedreiging inhou en herhaal met 7 - 10 dae tussenposes en na reën.
Fusarium en Gewone Skurfsiekte	300 g/ 100 λ water	Doop die hele of gesnyde aartappelmoere binne in die suspensie. Plaas die behandelde moere in 'n siektevrye houer of berg in massa onder koel temperatuur en hoë vogtigheidstoestande. Verander die doopsuspensie dikwels, veral as die aartappels 'n laag grond op het. Slegs vir saadaartappels.

GEWAS EN SIEKTE/ PLAAG	DOSIS	OPMERKINGS
TAMATIES Vroeë en Laatroes en Septoria Blaarvlek	200 g/ 100 λ water	Gebruik 500 λ spuitmengsel/ha kort na verplanting en vermeerder die volume spuitmengsel na 3000 λ/ha na gelang die plante groter word. **NOTA: DITHANE 750 WG NEOTEC** kan ook op tamatiesaailinge gebruik word.
GRONDBOONTJIES Cercospora Blaarvlek	DROËLAND: 400 g/100 λ water BESPROEIDE LANDE: 300 g/100 λ water	Gebruik 400 - 500 λ spuitmengsel/ha. Begin spuit met die eerste tekens van die siektes wat by die basis van die plante verskyn en dien 5 bespuitings met tussenposes van 14 dae toe. Gebruik 1000 λ spuitmengsel/ha. Begin spuit met die eerste tekens van siektes wat by die basis van die plante verskyn en dien 5 bespuitings met tussenposes van 14 dae toe.
MANGO'S Antraknose	200 g/100 λ water	Dien die eerste bespuiting toe wanneer die panikula verskyn maar voor die bloeisels oopgaan. Dien die tweede bespuiting toe met vrugteset en herhaal daarna met tussenposes van 14 - 21 dae. Staak bespuiting van **DITHANE 750 WG NEOTEC** wanneer vrugte gholfbalgrootte bereik.
PIESANGS Sigatokasiekte	2,5 kg/100 λ water plus 4 - 5 λ ligte/ medium minerale olie.	Wend aan as 'n lae volume toediening. Eerste bespuiting aan die einde van November en herhaal elke 28 dae tot na die reënseisoen.

GEWAS EN SIEKTE/ PLAAG	DOSIS	OPMERKINGS
SITRUS Swartvlek en Melanose	(a)200 g/100 λ water (b) 200 g/100 λ water vir die eerste twee bespuitings, dan 150 g/100 λ water plus 600 mλ ligte/medium minerale olie of 'n geregistreerde benatter, bv. *Wetcit benatter teen 100 mλ vir die laaste twee tot drie bespuitings.	Wanneer reënval in Julie-September normaal is, spuit gedurende die derde week in Oktober en herhaal drie keer met tussenposes van 25 dae. OF Wanneer reënval bo normaal in Julie - September is, spuit na volle blomblaarval en herhaal 4 keer met tussenposes van 25 dae.
Sitrusroesmyt	75g/100 λ water	Dien bespuiting in die lente toe. 'n **DITHANE 750 WG NEOTEC** program teen swartvlek sal ook roesmyt beheer.
Bruinverrotting	200 g/100 λ water	Dien toe 3 weke voor oestyd op alle vrugte tot 1 meter hoogte bo die grondoppervlak onder die boom. Behandel ook stam en grond onder die boom.
Nekrostoma	200 g/100 λ water	Dien toe as 'n dekbespuiting gedurende die begin van Desember en herhaal gedurende begin Januarie. Met hoë besmettingsdruk sal simptome slegs onderdruk word.
Silwermyt	200 g / 100 λ water	Silwermyt veroorsaak skilverruwing van suurlemoene en pomelos tydens die periode 5 - 7 weke na blomblaarval. Sodra die eerste tekens van myte waargeneem word moet toediening plaasvind. Blare en jong vruggies moet benat word. 'n Alternatiewe tyd van toediening by bome wat gedurende die vorige seisoen aan besmetting gely het is gedurende blomblaarval. In die geval van suurlemoene is die vruggies van die somerblomperiode die mees kwesbaarste.

GEWAS EN SIEKTE/ PLAAG	DOSIS	OPMERKINGS
PERSKES, APPELKOSE EN PRUIME		
Bruinroes	H.V 150 g/100 λ water (2,25 - 4,5 kg/ha). L.V 1,8 - 3,6 kg/ha in ¼ tot 1/8 van hoë volume spuitmengsel/ha.	Winterreënvalstreek: Begin toediening vroeg in November. Somerreënvalstreek: Dien vanaf middel Februarie toe. Herhaal met tussenposes van 10 - 14 dae indien nodig.
Gomvlek	H.V 150 g/100 λ water (1,8 - 3,75 kg/ha.) L.V 1,25 - 3,0 kg/ha	1. Herfs: Net na oes 2. Herfs: 75 % blaarval. 3. Lente: Koperbespuiting as bome begin bot. 4. Lente: 80 % blomblaarval. 5&6. Twee verdere toedienings met tussenposes van 14 dae indien nodig. Vir pruime begin spuit vanaf middel Desember en dien 2 bespuitings toe met tussenposes van 10 dae.
Sproetsiekte (appelkose en perskes)	H.V 150 g/100 λ water (2,25 - 3,75 kg/ha) L.V 1,8 - 3,0 kg/ha	Winterreënvalstreek: Dien toe vanaf 75 - 100 % blomblaarval en weer 14 dae later. Gedurende nat seisoene herhaal toedienings maandeliks op laat variëteite. Somerreënvalstreek: Eerste toediening 3 weke na blomblaarval en weer 14 dae later. Gedurende nat seisoen herhaal toedienings maandeliks op laat variëteite. L.W. Moenie meer as 6 bespuitings van **DITHANE 750 WG NEOTEC** gedurende die tyd van vrugdrag toedien nie.

GEWAS EN SIEKTE/ PLAAG	DOSIS	OPMERKINGS
KOEJAWELS Knopvelsiekte en Blomendverotting	200 g/100 λ water	Volle dekbespuiting in die vroeë stadiums, todat die vrugte begin swel. Dien toe met 30 dae intervalle vir beskerming teen knopvelsiekte. Volle dekbespuiting 14 dae voor oes wanneer baie nat weer ondervind word vir beskerming teen bloeiselendvrot.
YOUNGBESSIES EN BOYSENBESSIES Donsige Skimmel Antraknose	1 - 4 kg/ha	Begin spuit met die eerste tekens van die siekte en herhaal elke 7 - 10 dae. In die geval van Antraknose bespuit sodra die eerste blomme verskyn. Dosis hang af van plantdigtheid en grootte. Gebruik voldoende water om deeglike benatting te verseker.
PAMPOENGEWASSE Antraknose en Donsige Skimmel	200 g/100 λ water	Begin spuit met die eerste tekens van die siekte. Maak seker dat die onderste blaaroppervlak deeglik benat word. Gebruik 1000 tot 1500 λ spuitmengsel/ha.
BOONTJIES Bruinroes en Antraknose	1 - 4 kg/ha	Begin met die eerste tekens van die siekte en herhaal elke 7 - 10 dae. In die geval van Antraknose bespuit sodra die eerste blomme verskyn. Dosis hang af van plantdigtheid en grootte. Gebruik voldoende water om deeglike benatting te verseker. Vir lugtoediening gebruik in 30 λ water.
ERTJIES Donsige Skimmel	1 - 4 kg/ha	Begin spuit met die eerste tekens van die siekte en herhaal elke 7 - 10 dae. Dosis hang af van plantdigtheid en grootte. Gebruik voldoende water om deeglike benatting te verseker. Vir lugtoediening gebruik in 30 λ water/ha.

GEWAS EN SIEKTE/ PLAAG	DOSIS	OPMERKINGS
UIE Donsige Skimmel	1 - 4 kg/ha	Begin bespuiting wanneer plante 4 - 6 blare het of wanneer siekte dreig en herhaal elke 7 - 10 dae. Voeg benatter/kleefmiddel by die spuitmengsel. Dosis hang af van plantdigtheid en grootte. Gebruik voldoende water om deeglike benatting te verseker.
OLYWE Antraknose	200 g/100 λ water	Eerste toediening in herfs voordat verkleuring van vrugte begin. Herhaal 2 - 3 keer met maandelikse intervalle.
KOOLGEWASSE Donsige Skimmel	1 - 4 kg/ha	Begin bespuiting wanneer plante 4 - 6 blare het of wanneer siekte dreig en herhaal elke 7-10 dae. Voeg benatter/kleefmiddel by die spuitmengsel. Spuit saadbeddings elke 3 tot 5 dae. Dosis hang af van plantdigtheid en grootte. Gebruik voldoende water om deeglike benatting te verseker.
SIERPLANTE Donsige Skimmel Antraknose en Roessiektes	150 - 200 g/100 λ water plus 25 mλ Latron B-1956 Sprei- en Kleefmiddel per 100 λ spuitmengsel, of 1 mλ/ 5 λ water	Wend aan met die eerste tekens van die siekte en herhaal elke 7 - 10 dae. Dosis hang af van graad van infeksie. Dra sorg dat die plante deeglik benat word.

GEWAS EN SIEKTE/ PLAAG	DOSIS	OPMERKINGS
APPELS EN PERE Skurfsiekte en Septoria Blaarvlek	150 g / 100 λ water (3,0 - 5,25 kg/ha) Voor blom Na blom	Kan beide as voor- en nablombespuitings toegedien word. Dien 3 maal toe, met die eerste bespuiting wanneer die groenpuntstadium bereik word en die laaste bespuiting net voor blom. Spuit onmiddellik na blom en herhaal 4 - 6 keer met tussenposes van 7 - 14 dae. NOTA: Die spuitvolume benodig per hektaar vir HV of LV toediening op 'n spesifieke groeistadium behoort akkuraat volgens die boomryvolume metode van Unrath (Sagte-vrugteboer Nov. 1986) bepaal te word. Die dosis/ha vir HV of LV word dan bepaal volgens die spuitvolume/ha wat vir HV toediening bereken is.
WINGERDE Tafel en wyndruiwe Streepvleksiekte (Phomopsis viticola)	200 g/ 100 λ water OF 1 - 1,5 kg/ha	Dien die eerste bespuiting toe wanneer lote 'n lengte van 0,5 tot 1 cm bereik. Dien 3 maal toe met tussenposes van 7 - 10 dae voor blom. Gebruik 500 tot 700 λ spuitmengsel/ha (hoë volume)
Donsige Skimmel (Plasmopara viticola)	Voor blom: 200 g/ 100 λ water OF 1 - 1,5 kg/ha	Dien die eerste bespuiting toe wanneer die jong lote 'n lengte van 10 cm bereik het. Verdere bespuitings, afhangende van weerstoestande, moet met tussenposes van 7 - 10 dae toegedien word. Gedurende hierdie periode moet 500 tot 750 λ (hoë volume) spuitmengsel/ha gebruik word.
	Blom tot 80% Kappiesval: 200 g/ 100 λ water OF 1 - 2 kg/ha	Toedienings alleen nodig as die blomperiode langer as 14 dae is. Dien 750 - 1000 λ spuitmengsel/ha toe.

GEWAS EN SIEKTE/ PLAAG	DOSIS	OPMERKINGS
WINGERDE (verv.) Tafel- en wyndruiwe Donsige Skimmel (Plasmopara viticola)	Na blom 200 g/ 100 λ water OF 2-3 kg/ha	Dien nog 2 verdere behandelings toe met tussenposes van 7 - 14 dae afhangende van weerstoestande, teen 1000 tot 1500 λ spuitmengsel/ha. Moenie **DITHANE 750 WG NEOTEC** na ertjiekorrelgrootte op tafeldruiwe toedien nie.
PAPAJAS Swartspikkel	2 kg / ha	Dien toe vanaf blomstadium met tussenposes van 28 dae. Onder toestande van hoë infeksiedruk, verkort tussenposes tot 14 dae. Vir lae volume toedienings (25 - 40 λ spuitmengsel /ha) voeg minerale olie (ligte smalbestek) by teen 16 λ/100 λ spuitmengsel.

*Wetcit (L7474) is die handelsnaam van Citrus Oil Products handeldrywend as Oro Agri SA (Pty) Ltd.

24 UUR NOODGEVAL TEL. NO. (032) 533-0716

TEGNIESE NAVRAE/INLIGTING TEL. NO.: (012) 361-8112