



# DICATI

Reg. No. L8414, Act No. 36 of 1947 | Reg. Nr. L8414, Wet Nr. 36 van 1947

An emusifiable concentrate systemic fungicide for the control of scab in apples and pears; rust in beans (green, dry and soy beans); navel-end rot and brown spot in citrus; powdery mildew in grapes; leaf spot in ground nuts; grey leaf spot and northern leaf blight in maize; and early blight in potatoes and tomatoes.

'n Emulgeerbare konsentraat sistemiese swamdoder vir die beheer van skurf in appels en pere; roes in bone (groen, droë en soja); nawel-end verrotting en bruinvlek in sitrus; poeieragtige meeldou in druive; blaarvlek in grondbone; grysblaarvlek en noordelike blaarskroei in mielies; en vroeë roes in aartappels en tamaties.

## FUNGICIDE GROUP CODE 3

### ACTIVE INGREDIENT

Difenoconazole (triazole).... 250 g/l

Registration Holder | Registrasiehouer  
Sharda International Africa (PTY) LTD  
Reg. No./Reg. Nr. 2010/002268/07  
P. O. Box/Posbus 82021, Southdale, 2135  
Tel: 031-764 3011  
Tel: 087-822 2397

## SWAMDODER GROEPKODE 3

### AKTIEWE BESTANDDEEL

Difenokonasool (triasool).... 250 g/l

BATCH NUMBER LOT NOMMER	
EXPIRY DATE VERVAL DATUM	

CONTENTS / INHOUD

5 ℓ

UN No. / VN Nr. 3082

13105 © Sharda International Africa cc



CAUTION  
VERSIGTIG



# DICATI

Reg. No. L8414 • Act No. 36 of 1947

An emulsifiable concentrate systemic fungicide for the control of scab in apples and pears; rust in beans (green, dry and soy beans); navel-end rot and brown spot in citrus; powdery mildew in grapes; leaf spot in ground nuts; grey leaf spot and northern leaf blight in maize; and early blight in potatoes and tomatoes.

## FUNGICIDE GROUP CODE 3

### ACTIVE INGREDIENT

Difenoconazole (triazole).... 250 g/l

Registration Holder

Sharda International Africa (PTY) LTD

Reg. No./Reg. Nr. 2010/002268/07

P. O. Box/Posbus 82021, Southdale, 2135

Tel: 031-764 3011

Tel: 087-822 2397

### UN No. 3082

#### WARNINGS

- Allow the following number of days between last application and harvest or feeding:
 

Apples and pears	14 days	Beans	14 days	Citrus	90 days
Grapes	28 days	Groundnuts (fodder)	21 days	Maize	14 days
Potatoes	14 days	Soy beans	18 days	Tomatoes	7 days
- Do not graze or use treated maize as fodder.
- Handle with care.
- Harmful if swallowed, inhaled, or absorbed through the skin.
- May irritate and cause sensitization of the skin.
- May cause serious damage to the eyes.
- Keep out of reach of children, uninformed persons and animals.
- Store in the original container under lock and key, tightly closed and away from sun and damp in a well ventilated cool area. Avoid storage temperatures below 10°C and above 35°C.
- Store away from food and feed.
- Toxic to fish and aquatic organisms.
- Prevent contamination of dams, rivers and any water body.
- FLAMMABLE – Keep away from heat and flame.
- Re-entry: Do not enter the treated field until the spray deposit has dried unless wearing protective clothing.
- Aerial application: Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warning. Do not spray over or allow drift to contaminate water of adjacent areas.

Although this fungicide 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 effected 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 the 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 in event of any uncertainty.

#### PRECAUTIONS

- Do not inhale fumes or spray mist.
- Avoid contact with skin and eyes.
- Wear protective clothing when handling the concentrate (face shield, rubber boots, gloves).
- In case of accidental contact with eyes, rinse with clean water for at least 15 minutes.
- After use and in the case of accidental skin contact, wash thoroughly with soap and water.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and change of clothing after use.
- Prevent contamination of food, feedstuff, eating utensils and drinking water.
- Prevent the drift of spray mist onto other crops, grazing, rivers, dams or areas not under treatment.
- Rinse empty container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner. Destroy the empty container by perforation and flattening and never use for any other purpose.

#### RESISTANCE WARNING:

For resistance management **DICATI** is a group code 3 fungicide. Any fungus population may contain individuals naturally resistant to **DICATI** and other group code 3 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. **DICATI** or any other group code 3 fungicide may not control these resistant fungi.

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 other control methods (chemical, cultural, biological) into disease control programmes.

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

#### CROP – DISEASE RECOMMENDATIONS

**DICATI** is a local systemic fungicide with limited acropetally movement. When applied in a protective spray programme **DICATI** effectively controls apple scab (*Venturia inaequalis*) in apples; brown rust (*Uromyces appendiculatus*) in beans; navel-end-rot/black core rot (*Alternaria citri*) and brown spot (*Alternaria alternata*) in citrus; powdery mildew (*Oidium tuckeri*, = *Uncinula necator*) in grapes; early leaf spot (*Cercospora arachidicola*), late leaf spot (*Cercosporidium personatum*), web blotch (*Phoma arachidicola*) and rust (*Puccinia arachidis*) in groundnuts; grey leaf spot (*Cercospora zeae-maydis*) and northern leaf blight (*Helminthosporium turcicum*) in maize; pear scab (*Venturia pirina*) in pears; early blight (*Alternaria solani*) in potatoes and tomatoes; soy bean rust (*Phakopsora pachyrhizi*) in soy beans.

#### USE RESTRICTIONS

Drought, nutrient or other stress conditions can reduce the uptake and activity of systemic fungicides in crops. It is not recommended to apply **DICATI** during these stress periods. If in doubt, consult your supplier or distributor. Apply **DICATI** as a preventive spray programme unless mentioned otherwise.

#### DIRECTIONS FOR USE • USE ONLY AS DIRECTED

**Compatibility:** **DICATI** compatibility with other products is influenced by the formulation of the products involved and the quality of the spray water. A physical compatibility test should always be carried out prior to application. **DICATI** can be tank-mixed with **SEGAR**, Chlorothalonil 720 SC, Mancozeb 750 WG and Mancozeb 800 WP.

**Spray additive:** When spraying beans, groundnuts and potatoes a penetrant/sticker should be added to the spray mix according to label recommendations.

**Mixing Instructions:** Replace the container cap after pouring.

Add the required amount of **DICATI** to the water in the spray tank. When a wettable powder is sprayed as a tank mix with **DICATI**, the wettable powder should be added to the spray water first, agitated and then add the **DICATI** and fill the spray tank to its final volume.

Ensure thorough agitation of the mixture in the spray tank during mixing and spraying.

Mixtures must be sprayed out immediately and not allowed to stand in the spray tank.

**Application techniques:** Ground application: Apply in 300 – 500 l water/ha.

**DICATI** may be applied using conventional high volume spray equipment. Nozzles should be fitted with hollow cone tips giving medium to fine droplets. Calibrate spray equipment before application to ensure that the correct dosage rate per hectare is applied. Ensure an even spray droplet distribution on the target area.

#### Aerial Application:

Aerial application of **DICATI** may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SABS 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 l 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: 25 to 35 droplets per cm<sup>2</sup> must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 280 to 300 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- Flying height: Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- 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.

#### APPLICATION RECOMMENDATIONS

CROP / DISEASE	DOSAGE	REMARKS
<b>APPLES AND PEARS</b> Apple scab ( <i>Venturia inaequalis</i> ) Pear scab ( <i>Venturia pirina</i> )	6.0 ml + 100 ml Captab 500 SC or 75 g Mancozeb 750 WG	Spray at 7 day intervals from green-tip to the end of the flowering period.
	6.0 ml + 100 ml Captab 500 SC or 75 g Mancozeb 750 WG	Spray at 10 to 14 day intervals from the end of flowering.
<b>BEANS</b> Brown rust ( <i>Uromyces appendiculatus</i> ) Soy bean rust ( <i>Phakopsora pachyrhizi</i> )	Green beans, Dry beans, Soy beans 250 ml/ha Dry beans only 325 ml/ha 300 ml/ha	<b>Ground Application:</b> Apply in 500 l water per ha at 10 to 14 day intervals. <b>Aerial Application:</b> Apply in 30 l water per ha. Repeat at 14 to 21 day intervals.
<b>CITRUS</b> Navel end-rot/black core rot ( <i>Alternaria citri</i> ) Brown spot ( <i>Alternaria alternata</i> )	Navel, Clementine, Mandarin, 40.0 to 60.0 ml/100 l water Mandarin, 40.0 to 60.0 ml + 200 g Mancozeb 800 WP /100 l water	Apply at 50 % petal drop and repeat at 100 % petal drop. Use the higher dosage rate where orchards are known to have an <i>Alternaria</i> infection. Apply as a medium cover spray at ± 20 l spray mix per tree depending on tree size. Do not apply more than 3.0 l <b>DICATI</b> per ha per season.
<b>GRAPES</b> Powdery mildew ( <i>Oidium tuckeri</i> , = <i>Uncinula necator</i> )	125 ml/ha	Apply as a full cover spray to the point of run-off at 14 day intervals. Apply the first spray when shoots are 10 to 25 cm long and the last spray before bunch closure (berry touch stage). Do not apply more than 4 treatments per season. Table grapes: spray volume between 500 and 1 200 l/ha depending on growth stage. Wine grapes: spray volume between 250 and 1 000 l/ha depending on growth stage.
<b>GROUNDNUTS</b> Early leaf spot ( <i>Cercospora arachidicola</i> ) Late leaf spot ( <i>Cercosporidium personatum</i> ) Web blotch ( <i>Phoma arachidicola</i> ) Rust ( <i>Puccinia arachidis</i> )	GROUND APPLICATION Dryland 300 ml and 200 ml/ha Apply 300 ml/ha for the first application and repeat every 10-14 days using 200 ml/ha OR 325 ml/ha every 18-21 days. Irrigation 300 ml/ha every 10-14 days OR 400 ml/ha every 18-21 days. AERIAL APPLICATION 350 ml/ha	Commence application at the first signs of disease. All spray programmes should continue until the plants start senescence naturally. Add 0.15 % 'Crop Oil' (150 ml/100 l water) to the <b>DICATI</b> spray mix. Apply in a protective spray programme. Commence applications at the start of flowering (10-12 weeks after planting) or earlier, if the disease(s) starts to develop. Aerial applications are recommended as an emergency measure when conditions are unfavourable for good application. Apply every 14-21 days on dryland crops and every 10-14 days on irrigated crops.
<b>MAIZE AND SWEET CORN</b> Grey leaf spot ( <i>Cercospora zeae-maydis</i> ) Northern leaf blight ( <i>Helminthosporium turcicum</i> )	AERIAL APPLICATION 300 ml/ha	<b>Grey leaf spot:</b> Commence spraying when disease is present on the lower leaves and before symptoms show on the three leaves immediately below the cob and before symptoms exceed 2 % of leaf area. Repeat applications may be necessary 14 to 21 days later. <b>Northern leaf blight:</b> Commence spraying at first signs of disease and before 2 % of leaf area is infected with the disease. Repeat sprays should be made 14 to 21 days later.
<b>POTATOES</b> Early blight ( <i>Alternaria solani</i> )	GROUND AND AERIAL APPLICATION 175 ml/ha every 7 days OR 250 ml/ha every 10 days OR 350 ml/ha every 14 days	Apply in a protective programme. Commence applications immediately before flowering (or earlier if the disease starts to develop) and continue until the plants start to senesce (end of flower drop). Ensure complete coverage of the plant mass with the spray mixture. <b>DICATI</b> does not control late blight ( <i>Phytophthora infestans</i> ).
<b>TOMATOES</b> Early blight ( <i>Alternaria solani</i> )	High volume: 35 ml/100 l water Low volume mistblowers: 350 ml/ha	High volume sprays: apply 500 to 2 000 l spray mix per ha. Low volume sprays: apply 350 ml <b>DICATI</b> per ha. Start spray applications at flower initiation and continue through the picking stages. Do not spray <b>DICATI</b> more than 8 times in a crop. Low disease pressure: apply at 14 day intervals. Moderate to heavy disease pressure: Alternate <b>DICATI</b> sprays with a registered broad spectrum fungicide such as Chlorothalonil or Copper or Mancozeb applied at 7 day intervals.
<b>REMARKS:</b> Commence applications earlier if the disease starts to develop. During the pre-flowering stages and after the <b>DICATI</b> treatments are discontinued, apply a suitable broad spectrum fungicide. Ensure complete coverage of the entire plant mass with spray mixture at all times. <b>DICATI</b> does not control late blight ( <i>Phytophthora infestans</i> ).		

# DICATI

Reg. Nr. L8414 • Wet Nr. 36 van 1947

'n Emulgeerbare konsentraat sistemiese swamdoder vir die beheer van skurf in appels en pere; roes in bone (groen, droë soja); nawel-end verrotting en bruinvlek in sitrus; poeieragtige meeldou in druiwe; blaarvlek in grondbone; grysblaarvlek en noordelike blaarskroei in mielies; en vroeë roes in aartappels en tamaties.

## SWAMDODER GROEPCODE 3

### AKTIEWE BESTANDEEL

Difenokonasoel (triasool) ..... 250 g/ℓ

Registrasiehouer

Sharda International Africa (PTY) LTD

Reg. No./Reg. Nr. 2010/002268/07

P. O. Box/Posbus 82021, Southdale, 2135

Tel. 031-764 3011

Tel: 087-822 2397

### UN No. 3082

#### WAARSKUWINGS

- Allow the following number of days between last application and harvest or feeding:

Aartappels	14 dae	Appels en pere	14 dae	Bone	14 dae
Druive	28 dae	Grondbonehooi (voer)	21 dae	Mielies	14 dae
Sitrus	90 dae	Sojabone	18 dae	Tamaties	7 dae

- Moenie behandelde melleplante beweï of as voer gebruik nie.
- Hanteer uiters versigtig.
- Skadelik indien ingesluk, ingeasem of deur die vel opgeneem is.
- Mag die vel irriteer. Kan velgevoeligheid veroorsaak.
- Kan ernstige skade aan die oë veroorsaak.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Stoor in die oorspronklike houër agter slot en grendel, in 'n koel plek, weg van voedsel en voer. Die houër moet dig toegemaak word. Bêre weg van sonlig en vogtigheid in 'n goed geventileerde gebied. Vermyn bergingstemperatuur onder 10°C en bokant 35°C.
- Berg weg van voedsel en voer.
- VLAMBAAR – Hou weg van hitte en oop vlamme.
- Giflig vir visse en waterorganismes.
- Verhoed besoedeling van damme, riviere en enige waterbron.
- Herbetreding: Moet nie die behandelde area betree alvorens die spuitneerslag nie droog is nie, tensy beskermende klerasie gedra word.
- Lugtoediening: Stel alle inwoners in die onmiddellike omgewing van die gebied wat bespuit gaan word in kennis en reik die nodige waarskuwings uit. Moet nie oor aangrensende gebiede of water spuit of toelaat dat spuitnewel dit besoedel nie.

Alhoewel hierdie swamdoder 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 bergings toestande, kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie, en die voorkoms van weerstand van die swam 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 of dier, of vir 'n gebrek aan prestasie as gevolg van die versum van die gebruiker om etiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kan word nie. Raadpleeg die verskaffer in geval van enige onsekerheid.

#### VOORSORGMATREËLS

- Vermyn inaseming van plaagdoderdampe en spuitmis.
- Vermyn kontak met die vel en oë.
- Dra beskermende klerie (rubberstewels, handskoene en gesigskerm) wanneer die konsentraat hanteer word.
- Na gebruik en in die geval van toevallige velkontak was deeglik met seep en water.
- Was besoedelde klerie na gebruik.
- Moenie eet, drink of rook tydens vermenging of toediening of voordat hande en gesig gewas en ander klerie na gebruik aangetrek is nie.
- Vorkom besoedeling van voedsel, voer, eetgerei en drinkwater.
- Vorkom die oorwaai van spuitmis na ander gewasse, weiding, riviere, damme of gebiede wat nie onder behandeling is nie.
- Spoei die leë houër driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10% van die houër. Gooi die spoelwater by die inhoud van die spuitteknik voordat die houër op die voorgeskrewe wyse vernietig word. Vernietig die leë houër deur gate daarin te maak en plat te slaan en moet vir geen ander doel gebruik nie.

#### WEERSTANDSWAARSKUWING:

DICATI is 'n groepkode 3 swamdoder. Enige populasie van 'n spesifieke swam mag individue insluit wat 'n natuurlike weerstand teen DICATI of enige ander groepkode 3 swamdoder het. Indien hierdie swamdoders herhaalend aangewend word, kan die weerstandbiedende individue uiteindelik die swam populasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur DICATI of enige ander groepkode 3 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 tenkengsels van produkte in verskillende swamdodergroepkodes. Integreer ander beheermaatreëls (chemies, verbouing, biologies) in die swamdoder programme. Vir spesifieke inligting oor weerstandsbeheer kontak die registrasiehouer van hierdie produk.

#### GEWAS – SIEKTE AANBEVELINGS

DICATI is 'n lokaal sistemiese swamdoder met geringe akropetale beweging. Wanneer dit in 'n voorkomende spuitprogram toegeë word, gee DICATI doeltreffende beheer van vroeë roes (*Alternaria solani*) op aartappels en tamaties; skurfsiekte (*Venturia inaequalis*) op appels; roes (*Uromyces appendiculatus*) op bone; poeieragtige meeldou (*Oidium tuckeri*, = *Uncinula necator*) op druiwe; vroeë blaarvlek (*Cercospora arachidicola*), laat blaarvlek (*Cercosporidium personatum*), spatselflek (*Phoma arachidicola*) en roes (*Puccinia arachidis*) op grondbone; grysblaarvlek (*Cercospora zeae-maydis*) en noordelike blaarskroei (*Helminthosporium turcicum*) op mielies; skurfsiekte (*Venturia pirina*) op pere; swartvlek (*Alternaria citri*) en bruinvlek (*Alternaria alternata*) op sitrus; sojaboonroes (*Phakopsora pachyrhizi*) op sojabone.

#### GEBRUIKSBEPERKINGS

Droogte, voedingsgebrek of enige ander stremningsfaktore kan die opname en aktiwiteit van sistemiese swamdoders verlaag. Onder hierdie toestande word die gebruik van DICATI nie aanbeveel nie. Indien twyfel bestaan, raadpleeg u voorsiener of die verspreider. Dien DICATI spuitprogramme voorkomend toe tensy anders vermeld.

#### GEBRUIKSAANWYSINGS • GEBRUIK SLEGS SOOS AANGEDUI

Verenigbaarheid: DICATI verenigbaarheid met ander produkte word deur die formulase van die betrokke produkte en die kwaliteit van die spuitwater beïnvloed. 'n Fisiese verenigbaarheidstoets moet altyd uitgevoer word voordat gespuit word. DICATI kan saam met SEGAR, Chlorotalonil 720 SC, Mankoseb 750 WG en Mankoseb 800 WP gemeng word.

**Spuitbyvoegmiddel:** Met die bespuiting van bone, grondbone en aartappels moet 'n penetreermiddel/kleefmiddel by die spuitmengsel volgens etiket aanbevelings gevoeg word.

**Menginstruksies:** Plaas die houerdop terug na gebruik.

Voeg die benodigde hoeveelheid DICATI by die water in die spuitteknik. Wanneer 'n benatbare poeier in tenkmengsel met DICATI gespuit word, moet die benatbare poeier eers vermeng en die mengsel goeder goer word waarna die DICATI bygevoeg en die spuitteknik tot die finale volume met water gevul word.

Die spuitmengsel moet tydens vermenging en toediening voortdurend geroer word.

Tenkmengsels moet onmiddellik uitgepuit word en nie toegelaat word om in die spuitteknik te staan nie.

**Toedieningstegnieke:** Grondoediening: Dien toe in 300 – 500 ℓ water/ha.

DICATI kan met konvensionele hoë volume spuitapparaat toegeë dien word. Spuitkoepel moet met holkeelspuitpunte wat medium tot fyn druppels lewer, toegerus wees. Kalibreer die apparaat vir toediening om te verseker dat die regte dosis per hektaar gelewer word. Die verspreiding van die spuitmengsel moet egalig oor die teikengebied wees.

#### Lugtoediening:

DICATI kan slegs deur 'n geregistreerde Lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SABS 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 liter per ha 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, toegeë dien word nie.
- Druppelbedekking: 25 tot 35 druppels per cm<sup>2</sup> moet op die teikenarea herwin word.
- Druppelgrootte: 'n Druppelspektrum met 'n VMD van 280 tot 300 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, uitklom of draal nie.
- Gebruik geskikte atomiseringsapparaat wat die verste 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 binnste 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 swaaihygrometer, moet nie 8°C oorskry nie.
- Stop bespuiting indien die windspoed 15 km/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 laag te spuit) en/of hoë lugvog toestand (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.

#### TOEDIENINGSAANBEVELINGS

GEWAS / SIEKTE	DOSIS	OPMERKINGS
<b>AARTAPPELS</b> Vroeë roes ( <i>Alternaria solani</i> )	GRONDBONE LUGTOEDIENING 175 ml/ha elke 7 dae OF 250 ml/ha elke 10 dae OF 350 ml/ha elke 14 dae	Dien toe in 'n voorkomende program. Bespuitings moet net voor blomstadium begin (of vroeër as die siekte begin ontwikkel) en toegeë word totdat die plante begin verouder (die einde van blomval). Maak seker dat die hele plantmassa met die spuitmengsel bedek word. <b>DICATI</b> beheer nie laatroes ( <i>Phytophthora infestans</i> ) nie.
<b>APPELS EN PERE</b> Skurfsiekte ( <i>Venturia inaequalis</i> ) Skurfsiekte ( <i>Venturia pirina</i> )	6.0 ml + 100 ml Kaptab 500 SC OF 75 g Mankoseb 750 WG  6.0 ml + 100 ml Kaptab 500 SC OF 75 g Mankoseb 750 WG	Spuit elke 7 dae vanaf groeppunt tot die einde van die blomperiode.  Spuit elke 10 tot 14 dae vanaf die einde van blom.
<b>BONE</b> Bruinroes ( <i>Uromyces appendiculatus</i> ) Sojaboonroes ( <i>Phakopsora pachyrhizi</i> )	Groenbone, Droëbone, Sojabone 250 ml/ha  Slegs Droëbone 325 ml/ha 300 ml/ha	<b>Grondoediening:</b> Dien toe in 500 ℓ water per ha met 10 tot 14 dae intervalle.  Dien toe in 500 ℓ water per ha met 18 tot 21 dae intervalle. <b>Lugtoediening:</b> Dien toe in 30 ℓ water per ha. Herhaal met 14 tot 21 dae intervalle.
<b>DRUIWE</b> Poeieragtige meeldou ( <i>Oidium tuckeri</i> , = <i>Uncinula necator</i> )	125 ml/ha	Dien as 'n volle dekbespuiting tot die punt van afloop teen 14 dae intervalle toe. Dien die eerste bespuiting toe as die lote 10 tot 25 cm lank is en die laaste bespuiting voor die troostoemaak stadium (wanneer die korrels mekaar raak). Moet nie meer as 4 behandelings per seisoen toedien nie. Tafeldruive: spuitvolume tussen 500 en 1 200 ℓ/ha afhingend van groeistadium. Wyndruive: spuitvolume tussen 250 en 1 000 ℓ/ha afhingend van groeistadium.
<b>GRONDBONE</b> Vroeë blaarvlek ( <i>Cercospora arachidicola</i> ) Laat blaarvlek ( <i>Cercosporidium personatum</i> ) Spatselflek ( <i>Phoma arachidicola</i> ) Roes ( <i>Puccinia arachidis</i> )	GRONDOEDIENING Droëland 300 ml en 200 ml/ha  Dien toe teen 300 ml/ha vir die eerste toediening en herhaal elke 10-14 dae teen 200 ml/ha OF 325 ml/ha elke 18-21 dae. Bespoeiing 300 ml/ha elke 10-14 dae OF 400 ml/ha elke 18-21 dae. LUGTOEDIENING 350 ml/ha	Dien toe vanaf die eerste siekteteken. Alle spuitprogramme moet voortgesit word totdat die plante natuurlik begin afsterf.  Voeg 0.15% (150 ml/100 ℓ water) 'Crop Oil' by <b>DICATI</b> .  Dien toe in 'n voorkomende program. Bespuitings moet met die vroeëblomstadium (10-12 weke na plant) begin, of vroeër as die siekte(s) begin ontwikkel. Lugtoediening word slegs as 'n noodmaatregel aanbeveel indien toestande ongunstig is vir grondoediening. Dien toe elke 14-21 dae op droëland gewasse en elke 10-14 dae op besproeiingsgewasse.
<b>MIELIES EN SUIKERMIELIES</b> Grysblaarvlek ( <i>Cercospora zeae-maydis</i> ) Noordelike blaarskroei ( <i>Helminthosporium turcicum</i> )	LUGTOEDIENING 300 ml/ha	Grysblaarvlek: Begin spuit wanneer die siekte op die onderste blare van die plant voorkom en voor simptome op die drie blare direk onder die mieliekop en op meer as 2% van die blaaroppervlakte voorkom. Herhaling van bespuiting mag 14 tot 21 dae later nodig wees. Noordelike blaarskroei: Begin spuit met eerste tekens van die siekte en voor 2% van die blaaroppervlakte met siekte besmet is. Herhaal bespuiting 14 tot 21 dae later.
<b>SITRUS</b> Nawel-end verrotting/swartkern verrotting ( <i>Alternaria citri</i> ) Bruinvlek ( <i>Alternaria alternata</i> )	Nawel, Clementine, Mandarin. 40.0 tot 60.0 ml/100 ℓ water  Mandarin. 40.0 tot 60.0 ml + 200g Mankoseb 800 WP /100 ℓ water	Dien toe by 50% blomblaar val en herhaal by 100% blomblaar val. Gebruik die hoër dosis waar dit bekend is dat boorde 'n hoe <i>Alternaria</i> infeksie het. Dien toe as 'n medium dekbespuiting teen ± 20 ℓ spuitmengsel per boem afhingend van boomgrootte. Moet nie meer as 3.0 ℓ <b>DICATI</b> per ha per seisoen toedien nie.
<b>TAMATIES</b> Vroeë roes ( <i>Alternaria solani</i> )	Hoë volume: 35 ml/100 ℓ water  Laer volume nevelblasers: 350 ml/ha	Hoë volume bespuiting: dien 500 tot 2 000 ℓ spuitmengsel per ha toe. Laer volume bespuiting: dien 350 ml <b>DICATI</b> per ha toe. Dien toe vanaf die vroeë blomstadium tot in die plukstadium. Moet nie <b>DICATI</b> meer as 8 bespuitings in 'n gewas toedien nie. Lae siektedruk: dien toe met 14 dae spuitintervalle. Matig tot swaar siektedruk: Wissel <b>DICATI</b> bespuitings met 'n geregistreerde brëespektrum swamdoder soos Chlorotalonil of Koper of Mankoseb met 7 dae spuitintervalle af.
<b>OPMERKINGS:</b> Begin spuit vroeër as die siekte begin ontwikkel. Voor blom en nadat bespuitings met <b>DICATI</b> gestaak is, word dit aanbeveel om 'n geskikte brëespektrum swamdoder te gebruik. Maak seker dat die hele plantmassa ten alle tye goet met die spuitmengsel bedek word. <b>DICATI</b> beheer nie laatroes ( <i>Phytophthora infestans</i> ) nie.		