



Aliette®

WG

6 kg

Fungicide

A fully systemic fungicide formulated as a water dispersible granule, for the control of the diseases mentioned on the crops listed.



Reg. No. L5689 (Act No. 36 of 1947)

A fully systemic fungicide formulated as a water dispersible granule, for the control of the following *Phytophthora* diseases:

- Root and collar rot in citrus
- Root and base rot in pineapples
- Root rot in grapevines, avocados and proteas

Reg. Nr. L5689 (Wet Nr. 36 van 1947)

'n Volledige sistemiese swamdoder geformuleer as 'n water dispergeerbare korrel, vir die beheer van die volgende *Phytophthora* siektes:

- Wortel- en kraagvrot van sitrus
- Wortel- en stamvrot van pynappels
- Wortelvrot in wingerd, avokado's en proteas



WARNING

GROUP / GROEP 33 FUNGICIDE / SWAMDODER

HAZARD STATEMENTS:

Harmful when swallowed. Causes serious eye irritation

PRECAUTIONARY STATEMENTS:

Wear protective gloves/ protective clothing/ eye protection/ face protection

Active ingredient:

Fosetyl-Al (alkyl phosphonate).....800 g/kg

Aktiewe bestanddeel:

Fosetiel-Al (alkielfosfonaat).....800 g/kg

REGISTERED BY / GEREESTREER DEUR: Bayer (Pty) Ltd / (Edms) Bpk. Reg. 1968/011192/07
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Aliette® is a registered trademark of the Bayer Group / is 'n geregistreerde handelsmerk van die Bayer Groep.

BATCH NUMBER / LOTNOMMER: See on pack
DATE OF MANUFACTURE / DATUM VERVAARDIG: Sien op houer

UN No. / VN Nr.: Not classified as dangerous goods.

Bayer

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RSA/0724/Aliette 6kg/Label & Booklet Code: ZA81783543I

For further information - lift this page for full details /
Vir verdere inligting - lig hierdie bladsy vir volledige besonderhede

ZA81783543I

WARNINGS:

HAZARD STATEMENTS:

- Causes serious eye irritation.

**GRAPEVINES: APPLY LAST APPLICATION BEFORE BERRIES REACH PEA BERRY SIZE
ALLOW 14 DAYS BETWEEN LAST APPLICATION AND HARVEST OF AVOCADOES; 25 DAYS ON CITRUS AND 20 DAYS ON PINEAPPLES**

Store in a cool, dry place, away from food and feed. 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.

Although **Aliette WG** is regarded as crop-safe on most important cultivars, this does not mean that a more sensitive cultivar might not be commercialized in the future. Where a new cultivar is encountered, large areas should not be sprayed without prior testing of **Aliette WG** on that cultivar.

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 THE DISEASES TO THE REMEDY CONCERNED AS WELL AS BY THE METHOD, TIME AND ACCURACY OF APPLICATION. THE REGISTRATION HOLDER FURTHERMORE DOES NOT ACCEPT RESPONSIBILITY FOR DAMAGE DONE 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 THE EVENT OF ANY UNCERTAINTY.

PRECAUTIONS:

PRECAUTIONARY STATEMENTS:

- Wear protective gloves/ protective clothing/ eye protection/ face protection.

Do not inhale spray mist. Wash with soap and water after use or skin contact. Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and changing clothes. Prevent contamination of food, eating utensils, feed and drinking water. Prevent spray drift onto other edible crops, grazing, rivers, dams or other areas not under treatment. Clean all equipment thoroughly after use and do not pollute the environment with wash water. When empty, shake out the container thoroughly, then burn it and do not breathe the smoke. Do not use the container for any other purpose.

RELEVANT SUBSTANCES:

Formulation inert	CAS Number	Conc. (%)
Fosetyl-Aluminium	39148-24-8	80.0
Ethoxylated-propoxylate fatty alcohol (block copolymer)	68154-97-2	$\geq 1,0 - < 3,0$
Lignosulfonic acid, sodium salt, sulfomethylated	68512-34-5	$> 3,0 - < 10,0$
Sodium hydroxide	1310-73-2	$\geq 1,0 - < 3,0$

RESISTANCE WARNING:

For resistance management, **Aliette WG** is a Group Code 33 fungicide. Use of this group over more than 20 years has not revealed resistance problems. The product is therefore suitable for use in an anti-resistance programme.

Since the presence of resistant fungi is difficult to detect prior to fungicide application, it is of the utmost importance that treated areas be inspected at regular intervals to identify the occurrence of fungicide-resistant fungi timeously. Bayer (Pty) Ltd will not accept liability for performance failures in the event of a build-up of resistant fungi resulting from inadequate resistance management practices as indicated on the label.

For specific information on resistance management contact your local Bayer CropScience representative.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

COMPATIBILITY:

- Aliette WG** is not compatible with **Scala** (Reg. No. L4972).
- Aliette WG** is compatible with most pesticides and fungicides used in the crops where it is registered. **However, it must not be mixed with copper-containing fungicides and nitrogen-containing foliar feeds. Application of Aliette WG should not be made within one week following the application of copper-containing fungicides or nitrogen-containing foliar feeds.**
- Aliette WG** can be used in tank mixtures with mancozeb **only** if constant agitation is maintained in the spray tank.
- Do not mix **Aliette WG** with any other pesticides when applying as a trunk paint to citrus.

MIXING INSTRUCTIONS:

Add the required quantity of **Aliette WG** slowly to the bulk of the water in the spray tank. The character of the formulation allows adequate dispersion in the water and therefore the granules need not be premixed with water before being added to water in the spray tank. Ensure that adequate agitation occurs in the spray tank during filling, mixing and spraying. Further ensure that clean water is used at all times. When **Aliette WG** is to be applied as a trunk paint do not prepare more than 2 l of mixture at a time. Also ensure that the mixture is stirred before painting each trunk. When **Aliette WG** is to be applied as a tank mixture with an emulsifiable concentrate (EC) the required quantity of **Aliette WG** must be added and thoroughly mixed in the bulk of the water prior to adding the emulsifiable concentrate (EC).

Note: Bayer CropScience has determined that phytotoxicity from solubilized copper may occur if products containing copper are tank mixed with **Aliette WG** or if unbuffered **Aliette WG** is applied to foliage with copper residues.

Do not tank-mix with copper compounds. When applied prior to or after copper compounds, the pH of Aliette WG should be raised to 6.0 or above with the addition of an alkaline buffer such as Potassium Carbonate or DiAmmonium Phosphate.

APPLICATION TABLE:

CROP AND DISEASE	DOSE RATE	REMARKS
AVOCADOS (NURSERIES) <i>(Phytophthora)</i> Root rot	375 g/ 100 ℓ water	Apply as a preventive foliar and/or soil treatment in addition to the precautions normally recommended for avocado nurseries. <u>Foliar application:</u> Apply as a foliar spray ensuring thorough coverage of all leaves of the young plants. Repeat every 6 weeks. <u>Root treatment:</u> Apply sufficient Aliette WG mixture to ensure that the total root - containing soil volume is drenched. Repeat every 6 weeks. See also Par. 2 under "Important Notes".
(ESTABLISHED TREES) <i>(Phytophthora)</i> Root rot	375 g/ 100 ℓ water	Apply as a light cover foliar spray. Trees to be treated must show a flush of new growth in order to ensure sufficient absorption of the chemical. <u>Corrective treatment:</u> To be used when trees show clear symptoms of root rot (leaves wilting, yellowing). Start application when the Spring flush is fully developed (usually September) and repeat every 4 weeks through the summer, with the final spray in April. Trees which have begun to lose leaves as a result of root rot should rather not be treated with Aliette WG as they will not be able to absorb sufficient of the chemical. <u>Maintenance and preventive treatments:</u> To be used when the soil is known to be infested but before disease symptoms appear on the trees, OR when disease control is to be maintained on trees that have recovered following corrective treatment. Start application when the Spring flush is fully developed (usually September) and repeat every 6 weeks through the summer, with the final spray in April.
CITRUS (NURSERIES) <i>(Phytophthora)</i> Root rot	250 g/ 100 ℓ water	Apply as a preventive foliar and/or soil treatment in addition to the precautions normally recommended for citrus nurseries. <u>Foliar application:</u> Apply as a foliar spray ensuring thorough coverage of all leaves of the young plants. Repeat every 6 weeks. <u>Root treatment:</u> Apply sufficient Aliette WG mixture to ensure that the total root - containing soil volume is drenched. Repeat every 6 weeks. See also Par. 2 under "Important Notes". It is also recommended that the roots of young trees be dipped in the Aliette WG mixture prior to transplanting and that the preventive programme be followed on young trees planted in soil known to be infested.
(ESTABLISHED TREES) <i>(Phytophthora)</i> Root rot	250 g/ 100 ℓ water	Apply as a light cover spray to the leaves (5 to 15 ℓ spray mix per tree depending on tree size). Trees to be treated must show a flush of new growth in order to ensure sufficient absorption of the chemical. <u>Corrective treatment:</u> To be used when trees show clear symptoms of root rot (leaves yellowing, wilting). Start application when the Spring flush is fully developed (usually September) and repeat every 6 weeks through the summer, with the final spray in April. Trees which have begun to lose leaves as a result of root rot should rather not be treated with Aliette WG as they will not be able to absorb sufficient of the chemical. <u>Maintenance and preventive treatments:</u> To be used when the soil is known to be infested but before disease symptoms appear on the trees, OR when disease control is to be maintained on trees that have recovered following corrective treatment. Start application when the Spring flush is fully developed (usually September) and repeat with every flush (normally three flushes per season).
<i>(Phytophthora)</i> Root and Collar rot	300 - 500 g/ℓ water	Mix the recommended quantity of Aliette WG into 1 ℓ of water by stirring with a paddle. Stir regularly to keep the product in suspension. Paint tree trunks from soil level up to a height of 30 cm. (See Note 4). In the case of collar rot, paint the trunk from 20 cm above the infection to 20 cm below it or down to soil level for infections situated low down. <u>Corrective treatment:</u> Trees showing clear symptoms of both root and collar rot or collar rot alone should be treated using the higher rate of Aliette WG . Commence application in September and repeat at 8 - 10 week intervals until April (maximum 4 applications). <u>Maintenance and preventive treatment:</u> Trees that are exposed to infection or trees that have recovered following corrective treatment should be treated using the lower rate of Aliette WG . Commence application in September and repeat at 8 - 10 week intervals until April (maximum 4 applications).
GRAPEVINES (NURSERIES) <i>(Phytophthora)</i> Root rot	400 g/ 100 ℓ water	Apply as a full cover foliar spray to the point of run-off. Repeat every 2 - 3 weeks throughout the growing season. (This treatment will also afford preventive control of downy mildew, but control of this disease on older leaves late in the season may not be adequate).
(ESTABLISHED VINES) <i>(Phytophthora)</i> Root rot	400 g/ 100 ℓ water (Do not exceed 4 kg / ha)	Apply as a full cover spray to the point of run-off and repeat 2 to 3 times at 3 week intervals. Apply before the berries reach the pea size stage or alternatively apply directly after harvest. A full leaf canopy must be present when the product is applied to ensure adequate absorption of the chemical. If applied as a spot treatment ensure that the treatment is extended to at least 5 vines adjacent to the infected site.

CROP AND DISEASE	DOSE RATE	REMARKS
PROTEAS (NURSERIES AND COMMERCIAL PLANTINGS) <i>(Phytophthora)</i> Root rot	375 g/ 100 ℓ water	Apply as a full cover foliar spray to the point of run-off. Repeat every 4 weeks throughout the period of active growth of the plants. In cases where seedbeds or potted seedlings show mild signs of infection, Aliette WG can also be applied as a soil drench. Do not try to treat plants showing severe symptoms of root rot as these are unlikely to recover.
PINEAPPLES Root and base rot <i>(Treatment at planting)</i> Queen suckers & Cayenne tops* Queen stumps & Cayenne tops* *See Par. 3 under "Important Notes"	250 g/ 100 ℓ water OR 250 g/ 100 ℓ water (5kg / ha)	Dip planting material for 10 minutes in Aliette WG mixture, allow to drain and plant out. See follow-up programme for subsequent treatments. After planting out, drench the planting material using a coarse, directed spray into the funnels. Apply a total of 2 000 ℓ of spray mixture per hectare. See follow-up programme for subsequent treatments.
(Follow-up programme)	250 g/ 100 ℓ water (5kg / ha)	Apply as a coarse directed spray onto the plants, commencing when active growth begins (3 to 6 months after planting out). Use 2 000 ℓ of spray mixture per hectare. Repeat at intervals of 3 months until flower induction is carried out.
IMPORTANT NOTES: 1. Aliette WG is a fully systemic fungicide that is transported both upwards and downwards in plants. It is for this reason that effective control of <i>Phytophthora</i> root rot can be obtained by application of Aliette WG to the foliage of plants. However, it should be noted that Aliette WG is best absorbed through young leaves and application to plants lacking a new leaf flush may therefore be less effective. 2. In avocado, citrus and protea nurseries, the drench and foliar treatments can be combined in order to enhance the effect of the chemical. The Aliette WG foliar spray (but not the drench) can also be used in conjunction with drench treatments of products other than Aliette WG . 3. If old, dry pineapple tops are used as planting material the pre-plant dip treatment will give better results than the post-plant drench treatment. The latter method can be used with good effect on fresh planting material. 4. To ensure that sufficient active ingredient reaches the roots it is required that stem painting coincides with root flushes. This normally commences directly after a leaf flush. Aliette WG stem paint must also only be applied to actively growing trees (normally between September and April) to ensure sufficient sap flow to distribute the active ingredient within the tree.		

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WAARSKUWINGS:

GEVAARVERKLARINGS:

- Verorsaak ernstige oogiritasie.

WINGERD: DIEN LAASTE TOEDIENING TOE VOOR DRUIFKORRELS ERTJIEKORRELGROOTTE BEREIK. LAAT 14 DAE TOE TUSSEN LAASTE TOEDIENING EN OES VAN AVOKADOS; 25 DAE VOOR OES VAN SITRUS EN 20 DAE VOOR OES VAN PYNAPPELS.

Berg in 'n koel, droë plek, weg van voedsel en voer. Hou buite bereik van kinders, oningeligte persone en diere.
Herbetoedring - Moenie behandelde gebied binnegaan alvorens die spuitneerslag droog is nie, tensy beskermende oorklere gedra word.

Alhoewel **Aliette WG** as gewasveilig geag word op die meeste belangrike kultivars, beteken dit nie dat 'n meer sensitiewe kultivar nie in die toekoms gekommersialiseer kan word nie. Waar 'n nuwe kultivar teëgekrom word, moet groot areas nie behandel word voordat u **Aliette WG** op daardie kultivar getoets het nie.

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 BEINVLOED 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 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 VAN DIE BETROKKE MIDDEL 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 ENIGE ONSEKERHEID.

VOORSORGMATREËLS:

VOORSORGSVERKLARINGS:

- Dra beskermende handskoene/beskermende klere/oogbeskerming/gesigbeskerming.

Moenie die sproeinewel inasem nie. Was met seep en water na gebruik of velkontak. Moenie eet, drink of rook tydens vermenging of toediening of voordat hande en gesig gewas en skoon klere aange trek is nie. Verhoed besoedeling van voedsel, eetgerei, voer en drinkwater. Verhoed wegdrywing van die sproeinewel na ander eetbare gewasse, weldings, riviere, damme of ander gebiede wat nie behandel word nie. Maak alle apparaat deeglik skoon na gebruik en moenie die omgewing met spoelwater besoedel nie. Sodra die houer leeg is, skud dit deeglik uit en verbrand dit. Moenie die rook inasem nie. Moenie die houer vir enige ander doel gebruik nie.

RELEVANTE STOWWE:

Formulation inert	CAS Number	Conc. (%)
Fosetyl-Aluminium	39148-24-8	80.0
Ethoxylated-propoxylate fatty alcohol (block copolymer)	68154-97-2	>= 1,0 – < 3,0
Lignosulfonic acid, sodium salt, sulfomethylated	68512-34-5	> 3,0 – < 10,0
Sodium hydroxide	1310-73-2	>= 1,0 – < 3,0

WEERSTANDSWAARSKUWING

Aliette WG is as 'n Groepkode 33 swamdoder geklassifiseer. Die gebruik van hierdie groep middels oor 'n tydperk van meer as 20 jaar het geen probleme met weerstandbiedendheid tot gevolg gehad nie. Hierdie middel is dus geskik vir gebruik in anti-weerstand programme.

Aangesien die voorkoms van weerstandbiedende swamme moeilik is om te bepaal voor swamodertoediening plaasvind, is dit uiters noodsaaklik dat behandelde gebiede met gereelde inter valle ondersoek word om weerstand vroeëtydig te identifiseer. Bayer (Edms) Bpk. sal nie verantwoordelikheid aanvaar vir enige gebrek aan prestasie in die geval van die opbou van weerstand in die swamme as gevolg van onvoldoende swambestandheidsbestuur soos aangedui op die etiket nie.

Vir spesifieke inligting oor weerstandsbestuur, kontak u naaste Bayer CropScience verteenwoordiger.

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI

VERENIGBAARHEID:

1. **Aliette WG** is nie verenigbaar met **Scala** (Reg. Nr. L4972) nie.
2. **Aliette WG** is verenigbaar met die meeste plaag- en swamdoders wat gebruik word op die gewasse waarop dit geregistreer is. **Dit moet egter nie saam met koper-bevattende swamdoders en stikstof-bevattende blaarvoedingsmiddels toege dieen word nie. Aliette WG toediening moet vermy word binne een week na die toediening van koper-bevattende swamdoders of stikstof-bevattende blaarvoedingsmiddels.**
3. **Aliette WG** kan in tenkmengsels saam met mankoseb toege dieen word mits ononderbroke roering in die spuittenk gehandhaaf word.
4. **Aliette WG** moenie met enige ander plaagdoders gemeng word wanneer dit as 'n vermengsel op sitrusstamme toege dieen word nie.

MENGINSTRUKSIES:

Meng die verlangde hoeveelheid **Aliette WG** by die water in die spuittenk. Die aard van die formulase sal 'n dispersie in die water in die spuittenk toelaat sonder vooraf vermenging met water. Verseker dat voldoende roering plaasvind tydens die volmaakproses, vermenging en bespuiting. Verseker dat skoon water ten alle tye gebruik word. Wanneer **Aliette WG** as 'n stamverf toege dieen gaan word, moet hoogstens 2 l mengsel op 'n gegewe tyd voorberei word. Roer ook die mengsel deeglik voordat elke stam gevef gaan word. Indien **Aliette WG** toege dieen gaan word in 'n mengsel met 'n emulgeerbare konsentraat (EC), moet die verlangde hoeveelheid **Aliette WG** by die water in die spuittenk gevoeg en deeglik vermeng word vir byvoeging van die emulgeerbare konsentraat (EC).

Nota: Bayer CropScience het bepaal dat fitotoksiteit van fitotoksiteit deur opgeloste koper mag voorkom as produkte met koper gemeng word met **Aliette WG**, of as ongebufferde **Aliette WG** op blare met koperresidue aangewend word.
Moet nie met koper verbindings gemeng word nie. Wanneer dit voor of na koper verbindings aangewend word, moet die pH van Aliette WG verhoog word tot 6.0 of meer deur 'n alkaliese buffer soos Kaliumkarbonaat of Diammoniumfosfaat by te voeg.

TOEDIENINGSTABEL

GEWAS EN SIEKTE	DOSIS	OPMERKINGS
AVOKADO's (KWEKERYBOOMPIES) (Phytophthora) Wortelvrot	375 g/ 100 ℓ water	Dien toe as 'n voorkomende blaar- en/ of wortelbehandeling tesame met die voorsorgmaatreëls wat normaalweg vir avokadokwekerye aanbeveel word. <u>Blaarbehandeling:</u> Dien toe as 'n blaarbehandeling en verseker dat al die blare van die jong boompies deeglik benat word. Herhaal elke 6 weke. <u>Wortelbehandeling:</u> Gebruik voldoende hoeveelhede van die Aliette WG mengsel om te verseker dat die totale wortel-bevattende grondvolume deurweek word. Herhaal elke 6 weke. Sien ook Par. 2. onder "Belangrike Notas".
(GEVESTIGDE BOME) (Phytophthora) Wortelvrot	375 g/ 100 ℓ water	Dien as 'n ligte dekbespuiting op die blare toe. Bome wat behandel gaan word, moet nuwe blaargroei toon om te verseker dat die middel in voldoende hoeveelhede opgeneem word. <u>Korrektiewe behandeling:</u> Vir gebruik wanneer bome duidelik simptome van wortelvrot toon (blare verlep en vergeel). Begin toediening wanneer die lenteblaargroei volledig ontwikkel is (gewoonlik September) en herhaal elke 4 weke deur die somer, met die laaste toediening in April. Bome wat reeds blare verloor het a.g.v. wortelvrot moet liefies nie met Aliette WG behandel word nie aangesien hulle nie in staat sal wees om die middel in voldoende hoeveelhede op te neem nie. <u>Instandhoudings- en voorkomende behandelings:</u> Vir gebruik wanneer dit bekend is dat die grond besmet is, maar voordat siekte-simptome aan die bome sigbaar word, OF vir die instandhouding van siektebeheer op bome wat herstel het na korrektiewe behandeling. Begin toediening wanneer die lenteblaargroei volledig ontwikkel is (gewoonlik September) en herhaal elke 6 weke deur die somer, met die laaste toediening in April.
SITRUS (KWEKERYE) (Phytophthora) Wortelvrot	250 g/ 100 ℓ water	Dien toe as 'n voorkomende blaar- en/of wortelbehandeling, tesame met die voorsorgmaatreëls wat normaalweg vir sitruskwekerye aanbeveel word. <u>Blaarbehandeling:</u> Dien toe as 'n blaarbespuiting en verseker dat al die blare van die jong boompies deeglik benat word. Herhaal elke 6 weke. <u>Wortelbehandeling:</u> Gebruik voldoende hoeveelhede van Aliette WG -mengsel om te verseker dat die totale wortel-bevattende grondvolume deurweek word. Herhaal elke 6 weke. Sien ook Par. 2 onder "Belangrike Notas". Daar word ook aanbeveel dat die wortels van jong boompies in die Aliette WG -mengsel gedoop word voordat hulle uitgeplant word en dat die voorkomende behandelingsprogram na uitplant toegepas word op jong boompies wat in besmette grond geplant word.
(GEVESTIGDE BOME) (Phytophthora) Wortelvrot	250 g/ 100 ℓ water	Dien as 'n ligte dekbespuiting op die blare toe (5 tot 15 ℓ spuit-mengsel per boom afhangende van die grootte van die boom). Bome wat behandel gaan word, moet nuwe blaargroei toon om te verseker dat die middel in voldoende hoeveelhede opgeneem word. <u>Korrektiewe behandeling:</u> Vir gebruik wanneer bome duidelike simptome van wortelvrot toon (blare verlep en vergeel). Begin toediening wanneer die lenteblaargroei volledig ontwikkel is (gewoonlik September) en herhaal elke 6 weke deur die somer, met die laaste toediening in April. Bome wat reeds blare verloor het a.g.v. wortelvrot moet liefies nie met Aliette WG behandel word nie aangesien hulle nie in staat sal wees om die middel in voldoende hoeveelhede op te neem nie. <u>Instandhoudings- en voorkomende behandelings:</u> Vir gebruik wanneer dit bekend is dat die grond besmet is, maar voordat siekte-simptome aan die bome sigbaar word OF vir die instandhouding van siektebeheer op bome wat herstel het na korrektiewe behandeling. Begin toediening wanneer die lenteblaargroei volledig ontwikkel is (gewoonlik September) en herhaal met elke blaarstuwing (flush). Normaalweg vind drie blaarstuwings per seisoen plaas.
(Phytophthora) Wortel- en kraagvrot	300 tot 500 g/ℓ water	Meng die aanbevole hoeveelheid Aliette WG in 1 ℓ water en meng deeglik deur met 'n spaan te roer. Roer gereeld om produk in suspensie te hou. Verf stamme vanaf grondvlak tot 'n hoogte van 30 cm. (Sien Nota 4). In die geval van kraagvrot, verf die stam vanaf 20 cm bokant die besmetting tot 20 cm onderkant die besmetting, of tot by die grondoppervlak wanneer die infeksie laag op die stam voorkom. <u>Korrektiewe behandeling:</u> Bome wat duidelike tekens van wortelvrot en kraagvrot of net kraagvrot toon moet met die hoër dosis Aliette WG behandel word. Begin toediening in September en herhaal elke 8-10 weke tot April (maksimum 4 toedienings). <u>Instandhoudings- en voorkomende behandelings:</u> Bome blootgestel aan infeksie of bome wat herstel het na korrektiewe behandeling moet behandel word met die laer dosis Aliette WG . Begin toediening in September en herhaal elke 8-10 weke tot April (maksimum 4 toedienings).

GEWAS EN SIEKTE	DOSIS	OPMERKINGS
WINGERD (KWEKERYE) (<i>Phytophthora</i>) Wortelvrot	400 g/ 100 ℓ water	Dien toe as 'n voldekbespuiting op die blare totdat die aflooppunt bereik word. Herhaal elke 2-3 weke deur die groeiseisoen. (Hierdie behandeling sal ook voorkomende beheer van donsige skimmel verskaf, maar die beheer van hierdie siekte op ou blare laat in die seisoen mag onvoldoende wees).
(GEVESTIGDE WINGERD) (<i>Phytophthora</i>) Wortelvrot	400 g/ 100 ℓ water (Moenie 4 kg / ha oorskry)	Dien toe as 'n voldekbespuiting op die blare totdat die aflooppunt bereik word. Herhaal 2-3 maal met 3-week tussenpose. Maak toedienings vóór die ertjiekorrelstadium of alternatiewelik direk na oes. Volle blaargroei tydens toediening is nodig om te verseker dat die middel in voldoende hoeveelhede opgeneem word. Indien koltoedienings gemaak word verseker dat minstens 5 stokke aangrensend aan die besmette stokke ook behandel word.
PROTEAS (KWEKERYE- EN KOMMERSIËLE AANPLANTINGS) (<i>Phytophthora</i>) Wortelvrot	375 g/ 100 ℓ water	Dien toe as 'n voldekbespuiting op die blare totdat die aflooppunt bereik word. Herhaal elke 4 weke gedurende die periode van aktiewe groei van die plante. In gevalle waar saadbeddings of saailinge in potte matige tekens van besmetting toon kan Aliette WG ook as 'n wortelbehandeling toegedien word. Moenie plante probeer behandel wat reeds gevorderde simptome van wortelvrot toon nie aangesien dit onwaarskynlik is dat hulle sal herstel.
PYNAPPELS Wortel- en kroonvrot (Behandeling met planttyd) Queen-spruite & Cayenne-krone* Queen-stompe & Cayenne-krone* *Sien ook Par. 3 onder "Belangrike Notas".	250 g/ 100 ℓ water OF 250 g/ 100 ℓ water (5kg / ha)	Doop plantmateriaal vir 10 minute in die Aliette WG -mengsel, laat dit dreineer en plant dan uit. Sien opvolgprogram vir verdere behandelings. Na uitplanting, deurweek die plantmateriaal d.m.v. 'n growwe bespuiting wat na die kelke gerig is. Gebruik 2 000 ℓ spuitmengsel per hektaar. Sien opvolgprogram vir verdere behandelings.
(Opvolgprogram)	250 g/ 100 ℓ water (5kg / ha)	Dien toe as 'n growwe, gerigte bespuiting bo-oor die plante sodra aktiewe groei begin (3 tot 6 maande na uitplant). Gebruik 2 000 ℓ spuitmengsel per hektaar. Herhaal elke 3 maande tot en met blominduksie.
BELANGRIKE NOTAS:		
Aliette WG is 'n volledig sistemiese swamdoder wat beide op en afwaarts in plante vervoer word. Dit is om hierdie rede dat effektiewe beheer van wortelvrot verkry kan word deur Aliette WG op die blare toe te dien. Daar moet egter op gelet word dat Aliette WG die beste deur jong blare opgeneem word en toediening op plante wat nie 'n nuwe blaargroei toon nie mag gevolglik minder doeltreffend wees. - In avokado-, sitrus- en proteakwekerye kan die wortel- en blaarbehandelings gekombineer word ten einde die effek van die middel te versterk. Die Aliette WG blaarbehandeling (maar nie die wortelbehandeling nie) kan ook saam met wortelbehandelings van ander middels behalwe Aliette WG gebruik word. - Indien ou, droë pynappelkrone as plantmateriaal gebruik word, sal die voor-plant doopbehandeling die beste resultate gee. Die na-plant bespuitingsmetode kan met welslae gebruik word op vars plantmateriaal. - Om te verseker dat voldoende aktiewe bestanddele die wortels bereik is dit nodig dat stamverf saamval met wortelstuwing. Dit volg normaalweg na 'n blaarstuwing. Aliette WG stamverf moet slegs aan aktiefgroeiende bome toegedien word (normaalweg tussen September en April) om te verseker dat voldoende sapvloei beskikbaar is om verspreiding van die middel in die plant te verseker.		

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