



MATRIX

Reg.No. L7290 Act No. 36 of 1947

Reg.Nr. L7290 Wet Nr. 36 van 1947

RESTRICTED USE AGRICULTURAL REMEDY
THIS REMEDY IS RESTRICTED DUE TO ACUTE TOXICITY. THIS REMEDY MAY ONLY BE SOLD TO AND USED BY A REGISTERED PEST CONTROL OPERATOR, OR BY SOMEONE UNDER THE SUPERVISION OF A REGISTERED PEST CONTROL OPERATOR, AND ONLY FOR THOSE USES COVERED BY THE PEST CONTROL OPERATOR'S SCOPE OF REGISTRATION, AND ONLY AS DIRECTED ON THIS LABEL.

BEPERKTE GEBRUIK VIR LANDBOUMIDDEL HIERDIE MIDDEL IS BEPERK AS GEVOLG VAN AKUTE TOKSISITEIT. HIERDIE MIDDEL MAG SLEGS VERKOOP WORD AAN EN GEBRUIK WORD DEUR 'N GEREGISTREERDE PLAAGBEHEER-OPERATEUR, OF DEUR IEMAND ONDER TOESIG VAN 'N GEREGISTREERDE PLAAGBEHEER-OPERATEUR, EN SLEGS VIR DAARDIE GEBRUIKE WAT DEUR DIE PLAAGBEHEEROPERATEUR SE OMVANG VAN REGISTRASIE GEDEK WORD, EN SLEGS SOOS AANGEDUI OP HIERDIE ETIKET.

READ ATTACHED LABEL BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS

LEES DIE INGESLOTE ETIKET VOOR GEBRUIK
HOU BUITE BEREIK VAN KINDERS EN DIERE

FUNGICIDE GROUP M5

A suspension concentrate contact fungicide for the preventative control of diseases on crops as listed.

SWAMDODERGROEP M5

'n Suspensie konsentraat kontakswamdoder vir die voorkomende beheer van siektes op gewasse soos aangedui.



Hazard Statements:

May cause serious eye damage and allergic skin reaction. Fatal if inhaled. Suspected of causing cancer. Very toxic to aquatic life.

Precautionary Statements:

Do not breathe dust, fumes, mist, vapours or spray. Use only outdoors in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear respiratory protection. Wear PPE. Wash hands and face thoroughly after handling. Do not touch eyes.

DANGER

ACTIVE INGREDIENT

Chlorothalonil

.....500 g/litre.....

AKTIEWE BESTANDDEEL

Chlorotalonil

Net Volume

Netto Volume

Registered by/Geregistreer deur:
BITRAD CONSULTING (PTY) LTD
41 Rudolph Str, Sunderland Ridge, Centurion.
Tel: 012 666 7331

BATCH NUMBER
DATE MANUFACTURED

LOTNOMMER
DATUM VERVAARDIG

Expiry date



Vervaldatum

< 2 years/jaar

UN No.
Emergency number

2902
082 446 8946

VN nr.
Noodnommer

WARNINGS:

- **Hazard Statements**

May cause serious eye damage and allergic skin reaction
Fatal if inhaled
Suspected of causing cancer
Very toxic to aquatic life

- **PRE-HARVEST INTERVALS:** Allow the following number of days between last application and harvest or grazing:
Beans, cucurbits, potatoes, tomatoes.....3 days
Peas.....6 days
Groundnut hay, bean hay, pea hay.....42 days
- **AERIAL APPLICATION** - Notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings.

Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease 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 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:

- **Prevention**

Obtain, read and follow all safety instructions before use
Do not breathe fumes, vapours or spray mist
Use only outdoors in a well-ventilated area
Wear protective gloves, - clothing, eye protection, face and respiratory protection
Contaminated clothing should not be allowed out of the workplace
Wash hands and face thoroughly after handling. Do not touch eyes
Avoid release to the environment
Prevent contamination of food, feedstuffs, drinking water or eating utensils.
Do not spray over - or allow drift to contaminate areas not under treatment.

- **Response**

If INHALED: Remove person to fresh air and immediately get medical help
If ON SKIN: Wash with plenty of water under safety shower
If IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if applicable
If exposed and concerned or skin irritation occurs, get medical advice
Specific treatment - refer to First Aid measures or Section 4 of SDS
Remove contaminated clothing and wash before re-use

- **Storage**

Keep container tightly closed. Store under lock and key in well ventilated place
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- **Disposal**

Triple rinse empty container in the following manner: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to a minimum of 10 percent of that of the container. Add the rinsing to the contents of the spray tank
Dispose empty containers to an approved recycling facility in accordance with local and national regulations

RELEVANT SUBSTANCES

Hazardous component	Weight %	GHS Classification
Chlorothalonil	41.6	Acute Inhalation Toxicity - Category 2 Serious eye damage and skin sensitisation - Cat 1 Carcinogenicity - Category 2 Acute/Chronic Aquatic Toxicity - Category 2
Mono ethylene glycol	<10	Acute Oral and Inhalation Toxicity - Category 4 STOT RE (Oral-kidney) - Category 2

FIRST AID

Get immediate emergency medical help if INHALED. Move person to fresh air.

Refer to **Response** under **PRECAUTIONS**.

NOTE TO PHYSICIAN:

No Antidote available. Treat symptomatically.

RESISTANCE WARNING:

For resistance management, **MATRIX** belongs to group code **M5** fungicide. (FRAC) Any pest population may contain individuals naturally resistant to **MATRIX** and other group code **M5** fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **MATRIX** or any other group code **M5** fungicide.

MODE OF ACTION:

MATRIX chemically reacts and depletes thiols, which disrupts glycolises and energy production in fungi.

DIRECTIONS FOR USE:

Use only as directed.

MIXING INSTRUCTIONS:

Application apparatus must be in good working order and correctly calibrated.

Fill the spray tank to 50% capacity with clean water.

Shake the container thoroughly before decanting/measuring.

Add the required volume of **MATRIX** to spray tank whilst agitating the mixture and add water to tank capacity.

Add products in the following sequence (as applicable), if tank mixtures are used:

1) Adjuvant/buffer 2) wettable powder 3) suspension concentrate 4) emulsifiable concentrate. Maintain agitation whilst spraying.

Ensure good coverage of plants when applying.

Do not leave prepared spray mixture for long periods (overnight) before application.

COMPATIBILITY:

The compatibility of **MATRIX** with most other agrochemicals is unknown. It is recommended that the compatibility with other agrochemicals is tested before use. DO NOT mix **MATRIX** with fertilisers and/or other agrochemicals if applied through high delivery irrigation systems.

GROUND APPLICATION:

MATRIX must be applied as a preventative treatment for control of the stated diseases. As a contact fungicide, thorough wetting and coverage of the stems and leaves of crops must be ensured. To achieve this, sufficient water spray volumes/ha must be used with high pressure spraying equipment. Disease pressure is more severe under wet, humid conditions, which necessitates more frequent applications than in drier periods of the crop cycle. Repeat applications if 13 mm or more rain (or irrigation) has been recorded within 72

hours of application. Do NOT exceed 21-day spray intervals during drier climatic conditions.

AERIAL APPLICATION:

Aerial application is NOT a reliable substitute for ground application, because of the mode of action of the product, which necessitates good wetting and coverage of plant surfaces as target area. Adverse wet weather conditions may necessitate aerial application – in which case the following requirements must be met:

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.

- Use a minimum of 50 litres spray mixture/ha.
- Use a conventional boom.
- Nozzles must be equipped with hollow cone or flat fan tips.
- Recovery must conform to a minimum of 30 - 35 droplets per cm² on the target area.
- The CV for droplet distribution must not exceed 50 %.
- The following flying heights must be maintained above the target area:
At wind speeds of: 0 - 8 km per hour - 3 m
 8 - 15 km per hour - 2 m
 more than 15 km per hour - do not spray.
- The difference between the wet and dry bulb readings, as determined by a whirling hygrometer, must not exceed 8° C.
- Do not spray during the heat of the day.
- Ensure that the fields are accurately marked and that the aerial spray operator knows exactly which fields to spray.
- Obtain assurance from the aerial spray operator that the above requirements are met.

CENTRE PIVOT APPLICATIONS:

Potatoes only;

- DO NOT use other agrochemicals or fertilizers in tank mixes with MATRIX.
- Ensure that safety valves are assembled to application pumps to prevent backflow of mixture and contamination of water sources.
- For best results, calibrate the injection pump correctly on the fastest speed of the pivot boom (lowest water delivery). This will ensure the best retention of product on target area.

WARNING: Certain cultivars highly susceptible to *Phytophthora*, in certain areas, that may experience severe disease pressure in certain periods, will require the high dose rate of 2,75 l/ha at 4-to-5-day spray intervals.

CONSULT YOUR REPRESENTATIVE IF ANY UNCERTAINTIES PREVAIL REGARDING THE RECOMMENDATIONS.

APPLICATION TABLE:

CROP/DISEASE	DOSAGE IN LITRE	DIRECTIONS
POTATOES Early blight (<i>Alternaria solani</i>) Late blight (<i>Phytophthora infestans</i>)	1,0 – 1,5/ha 2,75/ha 1,5/ha to 2,75/ha 2,75/ha	Apply as a preventive spray programme when climate favours Late blight infections or in case of Early blight, normally when crop starts flowering. Continue applications until foliage starts dying back. GROUND APPLICATION: Low infection: Repeat application every 7 days. The higher rate may be used at 10-day intervals. Apply as full cover spray in at least 500 l/ha. High infection: Repeat applications every 5-7 days. Use in 500 – 1 500 l/ha to ensure good coverage of foliage depending on crop size and leaf density. AERIAL APPLICATION: Use low rate for low infection and high rate for high infection . Adhere to Aerial Application recommendations. CENTRE PIVOT APPLICATIONS: Use at 10 day spray intervals. Start applications two weeks after crop emergence. Refer to Centre Pivot application recommendations
BEANS Rust (<i>Uromyces appendiculatus</i>)	1,0 – 2,0/ha	Apply at 7-14 day intervals as a preventive full cover spray programme at first signs of infection. Dry land: Choose dose according to crop size and apply 500 l/ha spray mixture. Irrigated crops: Apply high dose in min. 500 l/ha spray mixture. AERIAL APPLICATION: Apply high dose in min. 50 l/ha spray mixture. Adhere to Aerial Application recommendations.
PEAS Ascochyta blight (<i>Ascochyta spp.</i>)	2,0/ha 2,2/ha	Apply at 10-14 day intervals as a preventative full cover spray programme at first signs of infection and/or early flowering stage. GROUND APPLICATION: Apply in 500-1000 l/ha spray mixture depending on crop size. AERIAL APPLICATION: Apply in min. 50 l/ha spray mixture. Adhere to Aerial Application recommendations.
GROUNDNUTS Leaf spot (<i>Cercospora spp.</i> & <i>Phoma arachidicola</i>) Botrytis rot (<i>Botrytis cinerea</i>)	1,0/ha 2,25/ha 2,25/ha	GROUND APPLICATION: Dryland crop: Apply every 10-14 days Low infection: Apply as a full cover spray in 500 l/ha at operating pressure of 500 kPa High infection: Conditions when climate favours disease spread. Ensure good wetting of all foliage. Depending on crop size and foliage density, use 500 to 1 500 l spray mixture /ha. Irrigated crop: Apply as a full cover spray every 7 – 14 days. MATRIX acts as a preventive treatment and the fast development of disease under intensive cultivation, necessitates early applications – but not later than approx. 6-10 weeks after planting. Depending on crop size and foliage density, use 500 to 1 500 l spray mixture /ha.

	2,25/ha	AERIAL APPLICATION is not considered as a substitute for ground application. If ground application is impractical due to adverse weather conditions, aerial application can be considered. Adhere to the Aerial Application recommendations. Apply a minimum spray volume of 50 l/ha
CUCURBITS Downy mildew (<i>Pseudoperonospora spp.</i>) Antrachnose (<i>Colletotrichum spp.</i>)	1,5 – 2,75/ha	Apply at 7-10 day intervals as a preventive full cover spray programme in minimum 500 l/ha spray mixture. Ensure good wetting of undersides of leaves. Use high dose for severe disease pressure.
TOMATOES Early blight (<i>Alternaria solani</i>) Late blight (<i>Phytophthora infestans</i>) Leaf spot (<i>Septoria lycopersici</i>) Botrytis rot (<i>Botrytis cinerea</i>)	0,150/100 l water 0,275/100 l water 0,300/100 l water 0,550/100 l water	GROUND APPLICATION ONLY: Apply as a preventive full cover spray programme. HIGH VOLUME SPRAY: Do not apply less than 1 000 l spray mixture/ha for mature plants. Low infection: Spray at 10-14 day intervals. Do not apply less than 1,5 l/ha product on mature plants. High infection: Spray at 7-10 day intervals. Do not apply less than 2,75 l/ha product on mature plants. LOW VOLUME SPRAY: Apply approx. 500 l spray mixture/ha for mature plants. Low infection: Spray at 10-14 day intervals. Do not apply less than 1,5 l/ha product on mature plants. High infection: Spray at 7-10 day intervals. Do not apply less than 2,75 l/ha product on mature plants. Botrytis: Use higher rates in all cases at 7-day spray intervals.
ORNAMENTALS ROSES - Black spot (<i>Actinonema spp.</i>) GLADIOLI – Leaf Spot (<i>Botrytis spp.</i>)	0,275/100 l water	Apply at 7-14 day intervals as a preventive full cover spray programme when climate favours disease. DO NOT apply on flowers.
LAWNS & TURF Dollar spot (<i>Sclerotinia homeocarpa.</i>) (<i>Helminthosporium spp.</i>) (<i>Rhizoctonia solani</i>)	0,500/100 l water	Preventative: Start applications when conditions suit disease development. Apply 10 l spray mixture per 100 m ² . Apply at 7-10 day intervals. Curative: Apply twice as above at 7-day interval. Continue thereafter as preventative treatment.

WAARSKUWINGS:

- **Gevaarklousules**

Mag ernstige oogskade veroorsaak en allergiese velreaksie induseer
Dodelik indien ingeasem
Verdag dat produk kanker kan veroorsaak
Uiters giftig vir waterlewe

- **WAGPERIODES:** Laat die volgende aantal dae toe tussen die laaste toediening en oes of beweiding.
Aartappels, bone, pampoengewasse, tamaties.....3 dae
Erte.....6 dae
Bonehooi, ertjehooi, grondbonehooi.....42 dae
- **LUGTOEDIENING** - Stel alle inwoners in die onmiddellike gebied wat behandel gaan word in kennis en reik die nodige waarskuwings uit.

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 klimaats- en bergingstoestande; kwaliteit van verdunningswater; verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die siekte teen die betrokke middel sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, en omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMAATREELS:

- **Voorkomend**

Kry, lees en volg veiligheids instruksies voor gebruik
Moet nie die dampe of spuitnewel inasem nie
Gebruik slegs buitenshuis in goed deurlugte area
Dra beskermende handskoene, - klere, oog-, gesig- en asemhalingbeskerming
Moet nie besoedelde klere buite die werkplek toelaat nie
Was hande en gesig deeglik na hantering. Moet nie die oë aanraak nie
Voorkom vrystelling van produk in die omgewing
Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei
Moet nie toelaat dat spuitnewel gebiede bereik wat NIE onder behandeling is nie.

- **Reaksie**

Indien INGEASEM: Skuif persoon na vars lug en kry onmiddelik mediese hulp
Indien op VEL: Was met baie water onder veiligheidstort
In Oë: Spoel onmiddelik met baie water vir 20 minute. Verwyder kontaklense
Indien blootgestel en bekommerd of velirritasie verkyn, kry mediese hulp.
Spesifieke behandeling - verwys na Eerstehulp of seksie 4 van SDS
Verwyder besoedelde klere en was voor hergebruik

- **Storing**

Hou houer dig toe, Stoor agter slot en Grendel in goed deurlugte plek

- **Wegdoening**

Spoel die leë houer driekeer as volg: Keer die leë houer om oor die spuit- of mengtenk en dreineer vir minstens 30 sekondes nadat die vloei tot 'n gedrup verminder het. Spoel die houer daarna driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10 persent van die inhoud van die houer. Gooi die spoelwater by die inhoud van die spuittenk
Verskaf leë houer aa naan goedgekeurde hersikleringsfasiliteit volgens plaaslike en nasionale regulasies

BETROKKE BESTANDELE

Gevaarhoudende produk	Massa %	GHS Klassifikasie
Chlorotalonil	41.6	Akute Inaseming Toksisiteit - Kategorie 2 Ernstige oogskade & velsensitering - Kategorie 1 Kankervorming - Kategorie 2 Akute/Kroniese waterlewe Toxicity - Kategorie 2
Mono etileen glikol	<10	Akute Mond & Inaseming Toksisiteit - Kategorie 4 STOT RE (Mond - Nier) - Kategorie 2

EERSTEHULP:

Indien INGEASEM, kry onmiddelik mediese noodhulp. Verskuif person na vars lug. Verwys na **Reaksies** onder **VOORSORGMAATREËLS**.

NOTA AAN GENEESHEER:

Geen Teenmiddel bekend nie . Behandel simptome.

WEERSTAND WAARSKUWING:

For resistance management, **MATRIX** belongs to group code **M5** fungicide. (FRAC) Any pest population may contain individuals naturally resistant to **MATRIX** and other group code **M5** fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **MATRIX** or any other group code **M5** fungicide.

WERKINGSMETODE:

MATRIX reageer chemies en verlaag thiol vlakke, wat die glikolise proses en energieproduksie in swamme blokeer.

GEBRUIKSAANWYSINGS:

Gebruik slegs soos aangedui.

MENGINSTRUKSIES:

Toedieningsapparaat moet in goeie werkende toestand en korrek gekalibreer wees. Vul die spuitnek tot 50% kapasiteit met skoon water. Skud die houder deeglik voordat uitgegooi/uitgemeet word. Voeg die verlangde volume **MATRIX** in die spuitnek, terwyl die mengsel geroer word en vul nek tot kapasiteit

Voeg produkte by in die volgende volgorde (soos toepaslik), indien tenkmengsels gebruik word: 1) Bevorderingsmiddel/buffer; 2) Benatbare poeier; 3) Suspensie konsentraat; 4) Emulgeerbare konsentraat.

Verseker voortdurende roering van mengsel, terwyl gespuut word.

Verseker goeie bedekking van plante met bespuiting.

Moet nie die voorbereide spuitmengsel vir lang periodes laat oorsaak (oornag) voor toediening nie.

VERENIGBAARHEID:

Die verenigbaarheid van **MATRIX** met ander landbouchemikalieë is onbekend. Dit word aanbeveel dat mengbaarheid met ander landbouchemikalieë getoets word voor gebruik. **MOET NIE MATRIX** met kunsmis en/of ander landbouchemikalieë meng indien toediening deur hoë lewering besproeiingstelsels plaasvind nie.

GRONDTOEDIENING:

MATRIX moet as 'n voorkomende behandeling gebruik word vir die beheer van genoemde siektes. As 'n kontakswamdoder, is deeglike benatting en bedekking van stamme en blare noodsaaklik. Om dit te verseker, moet voldoende watervolumes/ha gebruik word met hoë druk spuittoerusting. Siektedruk is hoër onder nat, klam toestande, wat meer gereelde toedienings noodsaak as in geval van droër periodes

in die gewassiklus. Herhaal toedienings indien meer as 13 mm reën (of besproeiing) gemeet is binne 72 uur na toediening. MOET NIE spuitintervalle langer as 21 dae oorskry gedurende droeër klimaatstoestande nie.

LUGTOEDIENING:

Lugtoediening is NIE 'n betroubare alternatief vir grondtoediening nie, omdat die werkingsmetode van die produk goeie benutting en bedekking van plantoppervlaktes as teikengebied noodsaak. Ongunstige, nat toestande mag lugbespuiting noodsaak – in welke gevalle, daar aan die volgende vereistes voldoen moet word:

Verseker 'n eweredige verspreiding van die spuitmengsel oor die teikengebied en dat die verlies van spuitmateriaal gedurende toediening tot die minimum beperk word.

- Gebruik 'n minimum van 50-liter spuitmengsel per hektaar.
- Gebruik 'n konvensionele spuitbalk wat met holkeël- of platwaaierspuitpunte toegerus is.
- Herwinning moet voldoen aan 'n minimum van 30-35 druppels per cm² op die teikengebied.
- Die KV vir druppelverspreiding moet nie 50 % oorskry nie.
- Die volgende vlieghoogtes bo die teikengebied moet gehandhaaf word:
 Teen windsnelheid van: 0 - 8 km per uur - 3 m
 8 - 15 km per uur - 2 m
 meer as 15 km per uur - staak bespuiting
- Die verskil tussen die nat- en die droëbollesing, soos met 'n swaaihygrometer bepaal, moet nie 8° C oorskry nie.
- Moenie tydens die hitte van die dag spuit nie.
- Sorg dat die lande akkuraat gemerk is en dat die spuitoperator presies weet watter lande gespuut moet word.
- Verkry versekering van die spuitoperator dat aan die bogenoemde vereistes voldoen sal word.

SPILPUNT TOEDIENINGS:

Aartappels alleenlik;

- MOET NIE ander landbouchemikalieë of kunsmis in tenkmengsels met MATRIX gebruik nie.
- Verseker dat veiligheidskleppe aangebring is aan toedieningspompe om terugvloei van mengsel en besoedeling van waterbronne te voorkom.
- Om beste resultate te kry, kalibreer die toedieningspomp korrek op die vinnigste loopspoed van die spilpuntbalk (laagste waterlewering). Dit sal die beste retensie van produk op die teikengebied verseker.

WAARSKUWING: Sekere kultivars hoogs vatbaar vir *Phytophthora* in sekere gebiede, wat hoë siektedruk mag ondervind gedurende sekere periodes, benodig die hoër dosis van 2,75 l /ha met 4 -5 dae spuitintervalle.

RAADPLEEG U VERTEENWOORDIGER INDIEN ENIGE ONSEKERHEID OOR DIE AANBEVELINGS BESTAAN.

TOEDIENINGSTABEL:

GEWAS/SIEKTE	DOSIS IN LITER	OPMERKINGS
AARTAPPELS Vroeëroes (<i>Alternaria solani</i>) Laatroes (<i>Phytophthora infestans</i>)	1,0 – 1,5/ha 2,75/ha	Dien toe in 'n voorkomende spuitprogram. Wanneer klimaat Laatroesbesmetting bevoordeel, of in geval van Vroeëroes – wanneer gewas begin blom. Hou aan met toedienings totdat loof begin terugsterf. GRONDTOEDIENING: Lae infeksie: Herhaal toedienings elke 7 dae. Gebruik die hoër dosis vir 10 dag spuitintervalle. Dien toe in ten minste 500 l/ha. Hoë infeksie: Herhaal toedienings elke 5-7

	1,5/ha tot 2,75/ha 2,75/ha	dae. Gebruik 500 – 1 500 //ha om goeie bedekking van blare te verseker, afhangend van gewas-grootte en blaardigtheid. LUGTOEDIENING: Gebruik lae dosis vir lae infeksie en hoë dosis vir hoë infeksie . Voldoen aan Lugbespuiting aanbevelings. SPILPUNT TOEDIENINGS: Gebruik met 10 dae spuitintervalle. Begin toedienings twee weke na opkoms van gewas. Verwys na Spilpunt toediening aanbevelings.
BONE Bruinroes (<i>Uromyces appendiculatus</i>)	1,0 – 2,0/ha	Dien toe as 'n voorkomende voldek spuitprogram met spuitintervalle van 7-14 dae met eerste tekens van infeksie. Droëland: Kies dosis volgens gewasgrootte en dien toe in 500 //ha spuitmengsel. Besproeiing: Dien hoë dosis toe in minimum 500 //ha spuitmengsel. LUGTOEDIENING: Gebruik hoë dosis in minimum 50 //ha spuitmengsel. Voldoen aan Lugbespuiting aanbevelings.
ERTE Ascochyta vlek (<i>Ascochyta spp.</i>)	2,0/ha 2,2/ha	Dien toe as 'n voorkomende voldek spuitprogram met spuitintervalle van 10-14 dae met eerste tekens van infeksie. GRONDTOEDIENING: Dien toe in 500-1000 //ha spuitmengsel, afhangend van gewasgrootte. LUGTOEDIENING: Dien toe in minimum 50 //ha spuitmengsel. Voldoen aan Lugbespuiting aanbevelings.
GRONDBONE Blaarvlek (<i>Cercospora spp. & Phoma arachidicola</i>) Botritis vrot (<i>Botrytis cinerea</i>)	1,0/ha 2,25/ha 2,25/ha 2,25/ha	GRONDTOEDIENING: Dien toe as 'n voorkomende voldek spuitprogram. Droëland: Dien elke 10-14 dae toe. Lae infeksie: Dien toe in 500 //ha spuitmengsel teen 500 kPa spuitdruk. Hoë infeksie: Toestande wanneer klimaat gunstig is vir siekteverspreiding. Verseker goeie benatting van alle blare. Afhangend van gewasgrootte en blaardigtheid, gebruik 500 tot 1 500 / spuitmengsel/ha. Besproeiing: Dien toe met spuitintervalle van 7 – 14 days. MATRIX werk as 'n voorkomende behandeling. Vinnige siekteontwikkeling onder intensiewe verbouing, noodsaak vroeë bespuitings – maar nie later as ongeveer 6-10 weke na plant nie. Afhangend van gewasgrootte en blaardigtheid, gebruik 500 to 1 500 / spuit-mengsel/ha. LUGTOEDIENING is nie 'n gewenste plaas- vanger vir grondbespuiting nie. Indien grondtoediening onprakties word a.g.v. ongunstige weersomstandighede, mag lugtoediening oorweeg word. Dien toe in minimum 50 //ha spuitmengsel. Voldoen aan Lugbespuiting aanbevelings.

PAMPOENGWASSE Donsige skimmel (<i>Pseudoperonospora spp.</i>) Antraknose (<i>Colletotrichum spp.</i>)	1,5 – 2,75/ha	Dien toe met 7-10 dae intervalle as 'n voorkomende behandeling met voldek bespuitingsprogram in minimum 500 //ha spuitmengsel. Verseker goeie benatting van onderkante van blare. Gebruik hoë dosis onder hoë siektedruk.
TAMATIES Vroeëroes (<i>Alternaria solani</i>) Laatroes (<i>Phytophthora infestans</i>) Blaarvlek (<i>Septoria lycopersici</i>) Botritis vrot (<i>Botrytis cinerea</i>)	0,150/100 / water 0,275/100 / water 0,300/100 / water 0,550/100 / water	SLEGS GRONDTOEDIENING: Dien toe as 'n voorkomende voldek spuitprogram. HOë VOLUME BESPUITING: Moet nie minder as 1 000 / spuitmengsel/ha gebruik op volwasse plante nie. Lae infeksie: Spuit met 10-14 dae intervalle. Moet nie minder as 1,5 //ha produk op volwasse plante spuit nie. Hoë infeksie: Spuit met 7-10 dae intervalle. Moet nie minder as 2,75 //ha produk op volwasse plante spuit nie. LAE VOLUME BESPUITING: Spuit ongeveer 500 / spuitmengsel/ha vir volwasse plante. Lae infeksie: Spuit met 10-14 dae intervalle. Moet nie minder as 1,5 //ha produk op volwasse plante spuit nie. Hoë infeksie: Spuit met 7-10 dae intervalle. Moet nie minder as 2,75 //ha produk op volwasse plante spuit nie. Botrytis: Gebruik hoë dosis in alle gevalle met 7 dae spuitintervalle.
SIERPLANTE ROSE - Swartvlek (<i>Actinonema spp.</i>) SWAARDLELIES - Blaarvlek (<i>Botrytis spp.</i>)	0,275/100 / water	Dien toe met 7-14 dae spuitintervalle as 'n voorkomende voldek spuitprogram wanneer klimaattoestande siekte-ontwikkeling bevoordeel. MOET NIE op blomme spuit nie.
GRASPERKE & BAANGRAS Dollarvlek (<i>Sclerotinia homeocarpa.</i>) (<i>Helminthosporium spp.</i>) (<i>Rhizoctonia solani</i>)	0,500/100 / water	Voorkomend: Begin toedienings wanneer toestande gunstig is vir siekte-ontwikkeling. Dien 10 / spuitmengsel toe per 100 m ² . Spuit met 7-10 dae intervalle. Genesend: Dien twee keer toe soos hierbo met 7 dae spuitinterval. Volg daarna op soos vir voorkomende behandeling.