



# MATRIX

Reg. No. L7290 (Act No. 36 of 1947)

Reg. Nr. L7290 (Wet Nr. 36 van 1947)

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

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

**FUNGICIDE GROUP**

**M5**

**SWAMDODER GROEP**

**ACTIVE INGREDIENT:**

Chlorothalonil ..... 500 g/l

**AKTIEWE BESTANDDEEL:**

..... Chlorotalonil

**NET VOLUME**

**NETTO VOLUME**

**GEREGISTREER DEUR:/  
REGISTERED BY:**  
BITRAD CONSULTING (PTY) LTD  
Co. Reg. No. 2002/025636/07  
PO Box 51454  
Wierda Park, 0149

**DISTRIBUTED BY:/  
VERSPREI DEUR:**



**BATCH NUMBER  
DATE MANUFACTURED**

  

**LOTNOMMER  
DATUM VERVAARDIG**



**CAUTION  
VERSIGTIG**



MATRIX is a registered trademark/is 'n geregistreerde handelsmerk

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### **WARNINGS:**

- Withholding periods: Allow the following number of days between last application and harvest or grazing of:  
Beans, cucurbits, potatoes, tomatoes ..... 3 days  
Peas ..... 6 days  
Groundnut hay, bean hay, pea hay ..... 42 days
- Irritating to skin, eyes, nose and throat.
- May be harmful when swallowed or inhaled.
- Store away from food or feedstuffs in a cool, dry place. Keep containers well sealed.
- Keep out of reach of children, uninformed persons and animals.
- 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 areas not under treatment.

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:**

- Do not inhale the spray mist.
- Wear protective clothing.
- Wash contaminated clothing daily.
- Wash with soap and water after use or after accidental skin contact
- Do not eat, drink or smoke whilst mixing and applying or before washing hands and face.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator and measuring equipment before using with other products and dispose of wash water where it will not contaminate crops, grazing, rivers and dams.
- Rinse empty container three times with a volume of water equal to at least 10 percent of the container volume and add the rinsing to the spray tank before recycling the container in prescribed manner.
- Destroy empty containers by perforation and dispose of it in a safe and responsible manner. Never use for any other purpose.
- Prevent contamination of food, feedstuffs, drinking water or eating utensils.

### **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 are 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  $\text{cm}^2$  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 4-5 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. <b>GROUND APPLICATION:</b> <b>Low infection:</b> 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. <b>High infection:</b> 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. <b>AERIAL APPLICATION:</b> Use low rate for <b>low infection</b> and high rate for <b>high infection</b> . Adhere to Aerial Application recommendations.  <b>CENTRE PIVOT APPLICATIONS:</b> 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. <b>Dry land:</b> Choose dose according to crop size and apply 500 l/ha spray mixture. <b>Irrigated crops:</b> Apply high dose in min. 500 l/ha spray mixture. <b>AERIAL APPLICATION:</b> 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. <b>GROUND APPLICATION:</b> Apply in 500-1000 l/ha spray mixture depending on crop size. <b>AERIAL APPLICATION:</b> 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	<b>GROUND APPLICATION: Dryland crop:</b> Apply every 10-14 days <b>Low infection:</b> Apply as a full cover spray in 500 l/ha at operating pressure of 500 kPa

<p>GROUNDNUTS (cont)</p> <p>Leaf spot (<i>Cercospora spp.</i> &amp; <i>Phoma arachidicola</i>)</p> <p>Botrytis rot (<i>Botrytis cinerea</i>)</p>	<p>2,25/ha</p> <p>2,25/ha</p> <p>2,25/ha</p>	<p><b>High infection:</b> 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.</p> <p><b>Irrigated crop:</b> Apply as a full cover spray every 7 – 14 days. <b>MATRIX</b> 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.</p> <p><b>AERIAL APPLICATION</b> 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. <b>Apply a minimum spray volume of 50 l/ha</b></p>
<p>CUCURBITS</p> <p>Downy mildew (<i>Pseudoperonospora spp.</i>)</p> <p>Antrachnose (<i>Colletotrichum spp.</i>)</p>	<p>1,5 – 2,75/ha</p>	<p>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.</p>
<p>TOMATOES</p> <p>Early blight (<i>Alternaria solani</i>)</p> <p>Late blight (<i>Phytophthora infestans</i>)</p> <p>Leaf spot (<i>Septoria lycopersici</i>)</p> <p>Botrytis rot (<i>Botrytis cinerea</i>)</p>	<p>0,150/100 l water</p> <p>0,275/100 l water</p> <p>0,300/100 l water</p> <p>0,550/100 l water</p>	<p><b>GROUND APPLICATION ONLY:</b> Apply as a preventive full cover spray programme.</p> <p><b>HIGH VOLUME SPRAY:</b> Do not apply less than 1 000 l spray mixture/ha for mature plants.</p> <p><b>Low infection:</b> Spray at 10-14 day intervals. Do not apply less than 1,5 l/ha product on mature plants.</p> <p><b>High infection:</b> Spray at 7-10 day intervals. Do not apply less than 2,75 l/ha product on mature plants.</p> <p><b>LOW VOLUME SPRAY:</b> Apply approx. 500 l spray mixture/ha for mature plants.</p> <p><b>Low infection:</b> Spray at 10-14 day intervals. Do not apply less than 1,5 l/ha product on mature plants.</p> <p><b>High infection:</b> Spray at 7-10 day intervals. Do not apply less than 2,75 l/ha product on mature plants.</p> <p><b>Botrytis: Use higher rates in all cases at 7 day spray intervals.</b></p>

<p>ORNAMENTALS</p> <p>ROSES - Black spot (<i>Actinonema spp.</i>) GLADIOLI – Leaf Spot (<i>Botrytis spp.</i>)</p>	<p>0,275/100 l water</p>	<p>Apply at 7-14 day intervals as a preventive full cover spray programme when climate favours disease. DO NOT apply on flowers.</p>
<p>LAWNS &amp; TURF</p> <p>Dollar spot (<i>Sclerotinia homeocarpa.</i>) (<i>Helminthosporium spp.</i>) (<i>Rhizoctonia solani</i>)</p>	<p>0,500/100 l water</p>	<p><b>Preventative:</b> Start applications when conditions suit disease development. Apply 10 l spray mixture per 100 m<sup>2</sup>. Apply at 7-10 day intervals. <b>Curative:</b> Apply <b>twice</b> as above at 7 day interval. Continue thereafter as preventative treatment.</p>

### WAARSKUWINGS:

- Onthoudingsperiodes : Laat die volgende aantal dae toe tussen die laaste toediening en oes of beweiding van:  
Aartappels, bone, pampoengewasse, tamaties ..... 3 dae  
Erte ..... 6 dae  
Bonehooi, ertjehooi, grondbonehooi ..... 42 dae
- Irriterend vir die vel, oë, neus en keel.
- Mag skadelik wees indien ingeneem of ingesam word.
- Berg weg van voedsel en voer in 'n koel droë plek. Hou houers dig toe.
- Hou buite bereik van kinders, oningeligte persone en diere.
- LUGTOEDIENING - Stel alle inwoners in die onmiddellike gebied wat behandel gaan word in kennis en reik die nodige waarskuwings uit. Moet nie oor gebiede spuit wat nie onder behandeling is nie en moet nie toelaat dat spuitnewel daarheen dryf 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 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.**

### VOORSORGMATREËLS:

- Moet nie die sproeinewel inasem nie.
- Dra beskermende oorklere.
- Was besoedelde klere daaglik.
- Was met seep en water na gebruik of na toevallige velkontak.
- Moet nie eet, drink of rook tydens meng of toediening of voordat hande en gesig gewas is nie.
- Voorkom wegdrywing van spuitnewel na ander gewasse, weiding, riviere, damme en gebiede wat nie onder behandeling is nie.
- Maak toediener en maathouers skoon voordat dit vir ander produkte gebruik word en raak onslae van waswater waar dit nie ander gewasse, weiding, riviere en damme sal besoedel nie.
- Spoel leë houers drie keer met 'n volume water gelykstaande aan ten minste 10 persent van die houer se volume en voeg die spoelwater by die spuittenk voordat die houer op die voorgeskrewe manier sikleer word.
- Vernietig leë houers deur gate daarin te kap en raak ontslae daarvan op 'n veilige en verantwoordelike wyse. Moet nooit vir enige ander doel gebruik nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

### GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.

#### MENGINSTRUKSIES:

Toedieningsapparaat moet in goeie werkende toestand en korrek gekalibreer wees.

Vul die spuittenk tot 50% kapasiteit met skoon water.

Skud die houer deeglik voordat uitgegooi/uitgemeet word.

Voeg die verlangde volume **MATRIX** in die spuittenk, terwyl die mengsel geroer word en vul tenk tot kapasiteit.

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

Verseker voortdurende roering van mengsel, terwyl gespuite word.

Verseker goeie bedekking van plante met bespuiting.

Moet nie die voorbereide spuitmengsel vir lang periodes laat oortaan (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 benutting 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 toediens noodsaak as in geval van droër periodes in die gewassiklus. Herhaal toediens indien meer as 13 mm reën (of besproeiing) gemeet is binne 72 uur na toediening. **MOET NIE** spuitintervalle langer as 21 dae oorskry gedurende droër klimaatstoestande nie.

#### **LUGTOEDIENING:**

Lugtoediening is **NIE** 'n betroubare alternatief vir grondtoediening nie, omdat die werksmetode 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 cm<sup>2</sup> 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 swaaighigrometer 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 spuitoperateur presies weet watter lande gespuit moet word.
- Verkyr versekering van die spuitoperateur 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 toedienspomp om terugvloei van mengsel en besoedeling van waterbronne te voorkom.
- Om beste resultate te kry, kalibreer die toedienspomp 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
<b>AARTAPPELS</b> Vroeëroes <i>(Alternaria solani)</i> Laatroes <i>(Phytophthora infestans)</i>	1,0 – 1,5/ha  2,75/ha  1,5/ha tot 2,75/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. <b>GRONTOEDIENING:</b> <b>Lae infeksie:</b> Herhaal toedings elke 7 dae. Gebruik die hoër dosis vir 10 dag spuitintervalle. Dien toe in ten minste 500 t/ha. <b>Hoë infeksie:</b> Herhaal toedienings elke 5-7 dae. Gebruik 500 – 1 500 t/ha om goeie bedekking van blare te verseker, afhangend van gewasgrootte en blaardigtheid. <b>LUGTOEDIENING:</b> Gebruik lae dosis vir <b>lae infeksie</b> en hoë dosis vir <b>hoë infeksie</b> . Voldoen aan Lugbespuiting aanbevelings.  <b>SPILPUNT TOEDIENINGS:</b> Gebruik met 10 dae spuitintervalle. Begin toedienings twee weke na opkoms van gewas. Verwys na Spilpunt toediening aanbevelings.
<b>BONE</b> 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. <b>Droëland:</b> Kies dosis volgens gewasgrootte en dien toe in 500 t/ha spuitmengsel. <b>Besproeiing:</b> Dien hoë dosis toe in minimum 500 t/ha spuitmengsel. <b>LUGTOEDIENING:</b> Gebruik hoë dosis in minimum 50 t/ha spuitmengsel. Voldoen aan Lugbespuiting aanbevelings.
<b>ERTE</b> 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. <b>GRONTOEDIENING:</b> Dien toe in 500-1000 t/ha spuitmengsel, afhangend van gewasgrootte. <b>LUGTOEDIENING:</b> Dien toe in minimum 50 t/ha spuitmengsel. Voldoen aan Lugbespuiting aanbevelings.
<b>GRONDBONE</b> Blaarvlek <i>(Cercospora spp. &amp; Phoma arachidicola)</i> Botritis vrot <i>(Botrytis cinerea)</i>	1,0/ha	<b>GRONTOEDIENING:</b> Dien toe as 'n voorkomende voldek spuitprogram. <b>Droëland:</b> Dien elke 10-14 dae toe. <b>Lae infeksie:</b> Dien toe in 500 t/ha spuitmengsel teen 500 kPa spuitdruk.

GEWAS/SIEKTE	DOSIS IN LITER	OPMERKINGS
GRONDBONE (vervolg) Blaarvlek ( <i>Cercospora spp.</i> & <i>Phoma arachidicola</i> ) Botritis vrot ( <i>Botrytis cinerea</i> )	2,25/ha  2,25/ha  2,25/ha	<p><b>Hoë infeksie:</b> Toestande wanneer klimaat gunstig is vir siekteverspreiding. Verseker goeie benatting van alle blare. Afhangend van gewasgrootte en blaardigtheid, gebruik 500 tot 1 500 l spuitmengsel/ha.</p> <p><b>Besproeiing:</b> Dien toe met spuitintervalle van 7 – 14 days. <b>MATRIX</b> 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 tot 1 500 l spuitmengsel/ha.</p> <p><b>LUGTOEDIENING</b> is nie 'n gewenste plaasvervanger vir grondbespuiting nie. Indien grondtoediening onprakties word a.g.v. ongunstige weersomstandighede, mag lugtoediening oorweeg word. <b>Dien toe in minimum 50 l/ha spuitmengsel.</b> Voldoen aan Lugbespuiting aanbevelings.</p>
PAMPOENGEWASSE 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 l/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 l water  0,275/100 l water  0,300/100 l water  0,550/100 l water	<p><b>SLEGS GRONDOEDIENING:</b> Dien toe as 'n voorkomende voldek spuitprogram.</p> <p><b>HOË VOLUME BESPUITING:</b> Moet nie minder as 1 000 l spuitmengsel/ha gebruik op volwasse plante nie.</p> <p><b>Lae infeksie:</b> Spuit met 10-14 dae intervalle. Moet nie minder as 1,5 l/ha produk op volwasse plante spuit nie.</p> <p><b>Hoë infeksie:</b> Spuit met 7-10 dae intervalle. Moet nie minder as 2,75 l/ha produk op volwasse plante spuit nie.</p> <p><b>LAE VOLUME BESPUITING:</b> Spuit ongeveer 500 l spuitmengsel/ha vir volwasse plante.</p> <p><b>Lae infeksie:</b> Spuit met 10-14 dae intervalle. Moet nie minder as 1,5 l/ha produk op volwasse plante spuit nie.</p> <p><b>Hoë infeksie:</b> Spuit met 7-10 dae intervalle. Moet nie minder as 2,75 l/ha produk op volwasse plante spuit nie.</p> <p><b>Botrytis:</b> Gebruik hoë dosis in alle gevalle met 7 dae spuitintervalle.</p>

GEWAS/SIEKTE	DOSIS IN LITER	OPMERKINGS
SIERPLANTE ROSE - Swartvlek ( <i>Actinonema spp.</i> ) SWAARDLELIES - Blaarvlek ( <i>Botrytis spp.</i> )	0,275/100 l 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 l water	<b>Voorkomend:</b> Begin toedienings wanneer toestande gunstig is vir siekte-ontwikkeling. Dien 10 l spuitmengsel toe per 100 m <sup>2</sup> . Spuit met 7-10 dae intervale. <b>Genesend:</b> Dien <b>twee keer</b> toe soos hierbo met 7 dae spuitinterval. Volg daarna op soos vir voorkomende behandeling.

