

## VETO PLUS

**BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY**

**VERWYS NA BESONDERHEDE SOOS OP HOUER / SAK GEDRUK**

GEBRUIKSAANWYSINGS INGESLUIT

Lotnummer  
Datum van vervaardiging

# VETO PLUS

**FUNGICIDE**



Reg. No. L9776, Act/Wet No. 36 of/van 1947 1:31/03/2015

**An emulsifiable concentrate systemic fungicide for the control of diseases on crops as listed.**

**'n Emulgeerbare konsentraat sistemiese swamdoder vir die beheer van siektes op gewasse soos aangedui.**

<b>FRAC FUNGICIDE GROUP CODE</b>	8;3	<b>FRAC SWAMDODER GROEPKODE</b>
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<b>ACTIVE INGREDIENTS / AKTIEWE BESTANDELE</b>		
Bupirimate (pyrimidine)	250 g/ℓ	Bupirimaat (pirimidien)
Hexaconazole (triazole)	30 g/ℓ	Heksakonasool (triasool)

Registration Holder / Registrasiehouer  
**Meridian Agrochemical Company (Pty.) Ltd. / (Edms.) Bpk.**  
 Reg. No. 2000/010819/07  
 P.O. Box / Posbus 436, Modderfontein, 1645, South Africa / Suid-Afrika

5ℓ



**HARMFUL / SKADELIK**











## WARNINGS

### Withholding period:

Allow the following minimum number of days between last APPLICATION and harvest, or grazing, of the following crops:

Mango's: Do not apply to mangoes after 100% petal drop.

Apples.....	14 days
Cucurbits.....	3 days
Sunflowers.....	60 days

IMPORTANT: The recommended withholding period between last application and harvest meets local residue requirements, but may not meet export requirements.

- Handle with care.
- Harmful when swallowed.
- Irritating to eyes and skin.
- May cause sensitisation by skin contact.
- Toxic to fish and wildlife.
- **Flammable:** Keep away from open flames and sources of ignition.
- Store in the original container in a cool, dry, well-ventilated area, away from food and feedstuffs.
- Keep out of reach of children, uninformed persons and animals.
- Do not use this product in any way contrary to the directions on this label.
- In case of poisoning, call a doctor and make this label available to him / her.
- **VETO PLUS** has been tested on the most important commercial cultivars without any phytotoxic effects. More susceptible cultivars may be released in future which need to be tested; for this, apply **VETO PLUS** to a limited test area before commercial applications are made.
- **Re-entry:** Do not enter treated area within 1 day unless wearing protective clothing.
- **Aerial application:** Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not apply over water bodies and ensure that spray drift will not 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 effective under all conditions. The activity and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease against the remedy, 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 by 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

- Do not inhale the spray mist or fumes.
- Avoid skin and eye contact.
- Wear a face shield, rubber gloves and boots whilst handling, preparing and applying the spray mixture and concentrate.
- In case of eye contact, flush out immediately for at least 15 minutes with clean water. Remove contact lenses, if present, after the first 5 minutes. Occasionally lift the upper and lower eyelids during rinsing.
- Wash with soap and water immediately after use and accidental skin contact.
- Wash contaminated clothing following use.
- Do not eat, drink or smoke while mixing or applying the product, or before washing hands and face and changing clothing.
- Avoid drift of spray onto other crops, grazing, rivers, dams or other water sources or to areas not under treatment.
- Thoroughly clean the applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Triple rinse empty containers as follows: Invert the container over the spray tank or mixing tank and allow to drain for at least 30 seconds after flow has slowed down to a drip. Thereafter, rinse the

empty container three times with a volume of water equal to a minimum 10% of that of the container. Add the rinsate to the contents of the spray tank before destroying the container as prescribed.

- Destroy the empty container by perforation and flattening and dispose of it in a safe manner.
- **Never** re-use the empty container for any other purpose.

## SYMPTOMS OF HUMAN POISONING

Symptoms may include incontinence, subdued behaviour as well as salivation and an increased respiration rate. Ingestion of high dosages may result in renal failure.

## FIRST AID TREATMENT

### ALWAYS SEEK TREATMENT BY A DOCTOR IMMEDIATELY.

- **Inhalation:** Remove the patient from the source of poisoning to fresh air and keep him quiet and reassured. Seek medical assistance if irritation persists. If breathing stops, administer artificial respiration and seek medical assistance.
- **Skin contact:** Carefully remove contaminated clothing as well as shoes. Wash contaminated body area with a non-abrasive soap and lots of cold water. Persons providing first aid must wear gloves to avoid self-contamination. If irritation develops, seek medical attention.
- **Eye contact:** Flush eyes immediately with large amounts of clean water for at least 15 minutes. Occasionally lift the upper and lower lids. **Seek medical assistance.**
- **Ingestion:** Wash out mouth with water if victim is alert, able and conscious. Never give anything by mouth to an unconscious person. **Do not induce vomiting.** Keep patient at rest.  
**Seek medical assistance.**  
If vomiting occurs, keep the head lower than hips to prevent aspiration.

## NOTE TO PHYSICIAN:

Treat symptomatically and supportively. Consider the administration of activated charcoal and a laxative. Prevent aspiration of gastric contents if gastric lavage is performed.

## MODE OF ACTION

**VETO PLUS** is a systemic fungicide with a protective and curative action. It is absorbed by the leaves, with translocation in the xylem and translaminar action. Bupirimate acts by inhibiting sporulation. Hexaconazole acts by inhibiting ergosterol biosynthesis.

## USE RESTRICTIONS

- Do not apply **VETO PLUS** to any crop or situation not mentioned in this instruction leaflet.
- Only apply **VETO PLUS** using an accurate and safe application technique.
- If **VETO PLUS** is used in a tank mix with other recommended products, consideration should be given to the restrictions of those respective products.
- Do not apply this product in combination or tank mixture with any other product or agricultural remedy which is not specifically listed on this label. Meridian Agrochemical Company (Pty) Ltd accepts no responsibility for any negative effects experienced if the instructions on this label are not adhered to, unless a Meridian representative was consulted beforehand.

## RESISTANCE WARNING

For resistance management, **VETO PLUS** is a group code 3 and group code 8 fungicide. Any fungus population may contain individuals naturally resistant to **VETO PLUS** and other group code 3 and 8 fungicides. The resistant individuals can eventually dominate the disease population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **VETO PLUS** or any other group code 3 and 8 fungicide.

### To delay fungicide resistance:

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

Since the occurrence of resistance cannot be forecast, users are advised to keep treated crops under close observation. If treatment is not effective following the use of **VETO PLUS** as recommended, a resistant population may be present. If a resistant population is positively identified, consideration should be given to prompt use of a fungicide with a different mode of action for which there is no record of resistance to the relevant disease. For specific information on resistance management, contact the registration holder of this product.

### DIRECTIONS FOR USE

**Use only as directed.**

### MIXING INSTRUCTIONS

Half-fill the spray tank with clean and suitable water. Shake the container thoroughly prior to use. Add the required volume of **VETO PLUS** to the mixing tank, while agitation is continued. Fill the spray tank with water to the required level while maintaining agitation to ensure thorough mixing of the spray mixture before spraying commences. Maintain agitation throughout mixing and application. **Replace the cap directly after use. Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight.** Ensure that agitation takes place for a few minutes prior to commencement of spraying after normal operational stops e.g. Lunch break. Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

### COMPATIBILITY

The compatibility of **VETO PLUS** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. The compatibility of **VETO PLUS** with other agrochemical products or fertilizers has not been tested. It is, therefore, recommended that a physical compatibility test be done prior to the tank mixture being made. Do not make tank mixtures with other agricultural remedies or foliar feed products without first ensuring that no reduction in efficacy or crop damage will result. When mixing **VETO PLUS** with other products, all **WARNINGS**, **PRECAUTIONS** and **DIRECTIONS OF USE** appearing on that particular label must be adhered to.

### APPLICATION METHODS

Ensure that the equipment is correctly calibrated and is checked regularly during application to ensure even and accurate application. Ensure that good, evenly distributed coverage is obtained on the target area. **Constant agitation throughout the spray operation is essential.** Only clean water should be used.

#### Ground application:

**VETO PLUS** can be applied with any suitable medium or high volume applicator, provided that it is fitted with an efficient agitator, is correctly calibrated and is able to distribute the spray mixture evenly over the target area.

#### Aerial application (Sunflower only)

Aerial application may only be done by a registered aerial application operator using a registered and correctly calibrated aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Remedies). It is important to 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 are met:

#### Equipment

- Use suitable atomising equipment that will produce the desired droplet size and coverage of the target area and will ensure minimum loss of product through drift.
- The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- All nozzles and atomisers should be positioned within the inner 60-75% of the wingspan to prevent droplets from entering the wingtip vortices.

#### Application Parameters

- A droplet spectrum with a VMD of 280-300 microns is recommended. Ensure that the production of fine droplets, with a VMD of less than 150 microns, is restricted to a minimum.
- The height of the spray boom should be maintained at 3 - 4m above the target.
- Do not spray when the aircraft is in a climb, at the top of a turn, during a dive or when banking.
- A minimum volume of 30 l spray mixture per ha is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy nor be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended.
- A minimum droplet coverage of 25 – 35 droplets per cm<sup>2</sup> must be recovered at the target.

#### Meteorological Conditions

- The difference between the wet and dry bulb readings as determined by a whirling hygrometer must not exceed 8 °C.
- Do not spray under turbulent, unstable conditions or during the heat of the day when rising thermals and downdraughts occur.
- Do not spray under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80% and above). As this may lead to:
  - a) Reduced efficacy due to inadequate coverage due to suspension and evaporation of small droplets in the air.
  - b) Damage to sensitive crops and non-target areas due to drifting of the suspended spray cloud away from the area under treatment. □ Do not spray when the wind speed exceeds 15 km per hour.

#### General

- Ensure that fields are accurately marked and 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 the relevant data will be kept for future reference.

#### RECOMMENDATIONS

CROP/PEST	APPLICATION RATE	REMARKS
<b>Apples</b> Powdery Mildew	60 ml / 100 l water	Start application at the first sign of an infection. Repeat the applications at 10 – 14 day intervals. Under conditions of high infection pressure, use a shorter application interval of 7 – 10 days. Scouting is essential.
<b>Cucurbits</b> Powdery mildew	40 – 60 ml / 100 l water	Start application at the first sign of infection. Under conditions of high infection pressure, use the higher concentration at 7-10 day intervals. Under conditions of lower to moderate infection pressure, apply at 10 – 14 day intervals. Scouting is essential. Apply up to 1500 l spray mixture / ha (depending on the foliage coverage). Ensure total coverage of the plants.
<b>Mangoes</b> Powdery Mildew	40 ml / 100 l	Apply <b>VETO PLUS</b> at 10-14 day intervals from the first signs of infection up to 100% petal fall. Repeat application if blossoming is irregular.

<b>Sunflower</b> Powdery Mildew	500 ml / ha	Start application as soon as the disease is noticed but before the infection reaches 10%. Ensure thorough wetting of the leaves. <b>Aerial application:</b> Apply in at least 30 l water per ha.
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## WAARSKUWINGS

### Onthoudingsperiode:

Laat die volgende minimum aantal dae tussen laaste toediening en oes, of beweiding van die volgende gewasse:

Mango's: Moenie op mango's na 100% blomblaarval toedien nie.	
Appels.....	14 dae
Pampoengewasse.....	3 dae
Sonneblomme.....	60 dae

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

- Hanteer versigtig.
- Skadelik wanneer ingesluk.
- Irriterend vir oë en vel.
- Mag velsensitiserings veroorsaak deur velkontak.
- Giftig vir visse en wildediere.
- **Vlambaar:** Hou weg van oop vlamme en bronne van ontbranding.
- Berg in die oorspronklike houër in 'n koel, droë, goed geventileerde area, weg van voedsel en voer.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Moet nie hierdie produk op enige manier teenstrydig met die aanwysings op die etiket gebruik nie.
- In geval van vergiftiging, ontbied 'n geneesheer en toon hierdie etiket aan hom/haar.
- **VETO PLUS** is sonder enige fitotoksiseitskade op die mees belangrikste kommersiële kultivars getoets. Meer vatbare kultivars mag in die toekoms vrygestel word wat eers getoets moet word; hiervoor moet **VETO PLUS** eers op 'n klein toetsoppervlakte aangewend word, alvorens groot kommersiële bespuitings gemaak word.
- **Herbetreding:** Moet nie die behandelde gebied binne 1 dag betree, tensy beskermende oorklere 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 waterbronne toedien nie en verseker dat die spuitnewel nie gebiede besoedel wat nie onder behandeling is 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. Die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die siekte teen die betrokke middel, sowel as deur die metode, tyd en akkuraatheid van toediening. Die registrasiehouer aanvaar verder geen verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effek op mens of dier nie, of vir gebrek aan prestasie van die betrokke middel as gevolg van versuim van die gebruiker om die etiketaanwysings na te volg, of deur die voorkoms van toestande wat nie kragtens die registrasie voorsien word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.**

## VOORSORGMAATREËLS

- Moenie die spuitnewel of dampe inasem nie.
- Vermy vel en oogkontak.
- Dra 'n gesigskerm, rubberhandskoene en stewels tydens die hantering, voorbereiding en toediening van die konsentraat en spuitmengsel.
- In geval van oogkontak, spoel onmiddellik vir ten minste 15 minute met skoon water uit. Verwyder kontaklense, indien teenwoordig, na die eerste 5 minute. Lig die boonste en onderste ooglede nou en dan op tydens spoel.
- Was met seep en water onmiddellik na gebruik en na toevallige velkontak.
- Was besoedelde klere na gebruik.
- Moet nie eet, drink of rook tydens vermenging of toediening van die produk, of voordat hande en gesig gewas is of skoon klere aangetrek is nie.
- Vermy wegdrywing van spuitnewel na ander gewasse, weiding, riviere, damme en ander gebiede wat nie onder behandeling is nie.
- Maak die toedieningsapparaat deeglik skoon na gebruik. Raak ontslae van uitspoelwater waar dit nie gewasse, weiding, riviere, damme en boorgate sal besoedel nie.
- Vermy besoedeling van voedsel, voer, drinkwater en eetgerei.

- Spoel leë houers **drie keer** uit as volg: Keer die leë houër om oor die spuitnek of mengbak en dreineer vir minstens 30 sekondes nadat die vloei tot 'n drup afgeneem het. Spoel daarna die leë houër drie keer uit met 'n volume water gelykstaande aan 'n minimum van 10% van die houër. Gooi die spoelwater by die inhoud van die spuitnek voordat die houër vernietig word soos voorgeskryf.
- Vernietig die leë houers deur die gate daarin te maak en plat te slaan; raak ontslae van houers op 'n veilige manier.
- **Moet nooit** die leë houers vir enige ander doel gebruik nie.

## SIMPTOME VAN VERGIFTIGING

Simptome mag die volgende insluit: onbeheertheid, stil gedrag, speekselafskeiding en verhoogde asemhalingstempo. Inname van hoë dosisse kan lei tot nierversaking.

## NOODHULPBEHANDELING

### KRY ALTYD ONMIDDELLIK MEDIESE HULP.

- **Inaseming:** Beweeg pasiënt weg van bron van vergiftiging na vars lug en hou persoon stil en rustig. Kry mediese hulp indien irritasie voortduur. Indien asemhaling ophou, moet kunsmatige asemhaling toegepas word en mediese hulp dadelik verkry word.
- **Velkontak:** Verwyder versigtig die besoedelde klere en skoene. Was besoedelde liggaamsdele met nie-skurende seep en groot hoeveelhede koue water. Persone wat noodhulp toedien moet handskoene dra om selfvergiftiging te voorkom. Indien irritasie ontwikkel moet onmiddellike mediese aandag verkry word.
- **Oogkontak:** Spoel oë dadelik uit met groot hoeveelhede water vir ten minste 15 minute. Lig die boonste en onderste ooglede nou en dan op. **Kry mediese hulp.**
- **Ingesluk:** Spoel mond met water uit indien pasiënt waaksaam, daartoe instaat is en by volle bewussyn is. Moet nooit enige iets per mond vir pasiënte wat bewusteloos is gee nie. **Moenie braking induseer nie.** Hou pasiënt rustig. **Kry mediese hulp.** Indien braking voorkom, moet die kop laer as die heupe wees om pulmonale aspirasie te voorkom.

### NOTA AAN GENEESHEER:

Behandel simptome en ondersteunend. Oorweeg die toediening van geaktiveerde houtskool en 'n purgeermiddel. Voorkom aspirasie van die maaginhoud as maagspoeling uitgevoer word.

## METODE VAN WERKING

**VETO PLUS** is 'n sistemiese swamdoder met 'n beskermende en genesende werking. Dit word geabsorbeer deur die blare, met translokasie in die xileem en translaminêre aksie. Bupirimaat inhibeer spoorvorming. Heksakonasool se werking is om ergosterol-biosintese te inhibeer.

## GEBRUIKSBEPERKINGS

- Moenie **VETO PLUS** op enige gewas of situasie toedien wat nie op hierdie etiket verskyn nie.
- Dien **VETO PLUS** slegs met akkurate en veilige toedieningsmetodes toe.
- Indien **VETO PLUS** gebruik word in 'n tenkmengsel met ander aanbevole produkte, moet oorweging geskenk word aan die beperkings van daardie betrokke produkte.
- Moet nie hierdie produk in kombinasie of tenkmengsel met enige ander produk of landboumiddel toedien wat nie spesifiek op hierdie etiket gelys is nie. Meridian Agrochemical Company (Edms.) Bpk. aanvaar geen verantwoordelikheid vir enige negatiewe gevolge wat ervaar sal word indien die instruksies op die etiket nie nagekom word nie, tensy 'n Meridian verteenwoordiger vooraf geraadpleeg is.

## WEERSTANDSWAARSKUWING

Vir weerstandsbestuur is **VETO PLUS** 'n groepkode 3 en groepkode 8 swamdoder. Enige



swampopulasie mag individue besit wat natuurlike weerstand teen **VETO PLUS** en ander groepkode 3 en 8 swamdoders het. Die weerstandbiedende individue kan uiteindelik die siekte-populasie oorheers indien hierdie swamdoders herhaaldelik aangewend word. Hierdie individue sal waarskynlik nie deur **VETO PLUS** of enige ander groepkode 3 en 8 swamdoders beheer word nie.

#### **Om weerstand teen swamdoders te vertraag:**

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

Aangesien die voorkoms van weerstand nie bepaal kan word nie, word gebruikers aangeraai om behandelde gewasse noukeurig dop te hou. Indien die behandeling met **VETO PLUS** soos aanbeveel nie doeltreffend was nie, mag 'n weerstandbiedende populasie teenwoordig wees. Indien 'n weerstandbiedende populasie positief geïdentifiseer word, moet daar onmiddellik oorweging geskenk word aan die gebruik van 'n swamdoder met 'n ander metode van werking, waarvan daar geen rekord van weerstand teen die betrokke siekte is nie. Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

### **GEBRUIKSAANWYSINGS**

**Gebruik slegs soos aangedui.**

### **MENGINSTRUKSIES**

Maak die spuitnek halfvol met skoon en geskikte water. Skud die houer deeglik voor gebruik. Voeg die verlangde hoeveelheid **VETO PLUS** in die spuitnek terwyl daar aanhoudend geroer word. Vul die spuitnek met water tot by die verlangde volume terwyl daar voortdurend geroer word om deeglike vermenging van die spuitmengsel te verseker voordat bespuiting begin. Maak seker dat die mengsel aanhoudend geroer word tydens toediening. **Draai die prop op direk na gebruik. Tenkmengsels moet dadelik uitgespuit word en nie toegelaat om oornag in die spuitnek te staan nie.** Verseker dat roering vir 'n paar minute voor die aanvang van die bespuiting, na normale daaglikse ruste bv. middagete, plaasvind. Spuittoerusting moet deeglik uitgespoel word aan die einde van die toediening.

### **VERENIGBAARHEID**

Die verenigbaarheid van **VETO PLUS** met ander produkte hang van die formulering van die betrokke produkte af, sowel as van die kwaliteit van die spuitwater wat gebruik word. Die verenigbaarheid van **VETO PLUS** met ander landbouchemiese produkte of kunsmis is nie getoets nie. Dit word dus aanbeveel om 'n fisiese verenigbaarheidstoets te doen voordat die tenkmengsels gemaak word. Moet nie tenkmengsels met ander landboumiddels of blaarvoedingsprodukte maak sonder om eers seker te maak dat daar geen vermindering in effektiwiteit of gewasskade gaan wees nie. Wanneer **VETO PLUS** gemeng word met ander produkte, moet alle **WAARSKUWINGS, VOORSORGMATREËLS** en **GEBRUIKSAANWYSINGS**, wat op daardie spesifieke etiket voorkom, gevolg word.

### **TOEDIENINGSMETODES**

Maak seker dat die toerusting korrek gekalibreer is en gereeld tydens toediening nagegaan word om egalige en akkurate toediening te verseker. Verseker dat 'n goeie, egalig verspreide bedekking op die teikenarea verkry word. **Konstante roering gedurende toediening is noodsaaklik.** Slegs skoon water moet gebruik word.

#### **Grondtoediening:**

**VETO PLUS** kan toegedien word met enige geskikte medium- of hoë-volume spuittoerusting, mits dit toegerus is met 'n doeltreffende roermeganisme, korrek gekalibreer is en in staat is om die spuitmengsel eweredig oor die teikenarea te versprei.

#### **Lugtoediening (Slegs Sonneblom)**

Lugtoediening mag slegs deur 'n geregistreerde lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig gedoen word volgens die instruksies van SANS Kode 10118 (Aerial Application of Agricultural Pesticides). Dit is belangrik om te verseker dat die spuitmengsel eweredig oor die teikenarea versprei word en dat die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is dus noodsaaklik om aan die volgende kriteria te voldoen:

#### Toerusting

- Gebruik geskikte atomiseringsapparaat wat die vereiste druppelgrootte en bedekking van die teikenarea sal produseer en die minimum verlies van produk deur wegdrywing sal verseker.
- Die spuitstelsel moet 'n druppelspektrum met die kleinste moontlike Relatiewe Span produseer.
- Al die spuitkoppe en atomiseerders moet in die binneste 60-75% van die vlerkspan wees om te verhoed dat druppels binne-in die vlerkpuntvorteks inbeweeg.

#### Toedieningsparameters

- 'n Druppelspektrum met 'n VMD van 280-300 mikrons word aanbeveel. Verseker dat die produksie van fyn druppels, met 'n VMD van minder as 150 mikron, tot 'n minimum beperk word.
- Die hoogte van die spuitbalk moet op 3 - 4 m bo die teiken gehandhaaf word.
- Moenie spuit wanneer die vliegtuig klim, draai, duik of terwyl dit uitklim nie.
- 'n Minimum volume van 30 l spuitmengsel per ha word aanbeveel. Aangesien hierdie produk nie teen 'n verlaagde volume getoets is nie, kan die registrasiehouer nie effektiwiteit waarborg of verantwoordelik gehou word vir enige nadelige effekte indien hierdie produk toegedien word teen 'n laer volume as aanbeveel.
- 'n Minimum druppelbedekking van 25 - 35 druppels per cm<sup>2</sup> moet op die teikenarea herwin word.

#### Meteorologiese toestande

- Die verskil tussen die nat- en droëbollesing, soos bepaal deur 'n swaaihygrometer, moet nie meer as 8 °C oorskry nie.
- Moenie tydens turbulente, onstabiele weerstoestande of gedurende die hitte van die dag toedien nie; wanneer stygende en dalende konveksie-windbeweging plaasvind.
- Moenie onder temperatuurinversie-toestande (deur bokant of binne-in die inversielaag te spuit) toedien nie, en/of by hoë lugvogtoestande (relatiewe humiditeit 80% en meer) nie. Dit kan lei tot:
  - a) Verlaagde effektiwiteit a.g.v. onvoldoende bedekking weens suspensie en verdamping van klein druppels in die lug.
  - b) Skade aan sensitiewe gewasse en nie-teikenareas as gevolg van wegdrywing van die spuitwolk van die gebied onder behandeling.
- Moenie spuit wanneer die windspoed 15 km per uur oorskry nie.

#### Algemeen

- Maak seker dat die lande akkuraat gemerk is en dat die spuitingsoperateur presies weet watter lande bespuit moet word.
- Verkry 'n versekering van die spuitoperateur dat daar aan die bogenoemde vereistes voldoen sal word en dat die data in 'n logboek vir toekomstige verwysing aangeteken sal word.

#### AANBEVELINGS:

GEWAS/SIEKTE	DOSIS	OPMERKINGS
<b>Appels</b> Poeieragtige skimmel (Witroes)	60 ml / 100 l water	Dien toe by die eerste teken van 'n infeksie. Herhaal die toediening teen 10 - 14 dae intervalle. Onder toestande van hoë-siektedruk, gebruik 'n korter toedienings interval van 7 - 10 dae. Verkenning is noodsaaklik.
<b>Pampoengewasse</b> Poeieragtige skimmel (Witroes)	40 – 60 ml / 100 l water	Dien toe by die eerste teken van infeksie. Onder toestande van hoë-siektedruk, gebruik die hoër konsentrasie teen 7-10 dae intervalle. Onder toestande van laer tot matige infeksie-druk, dien toe teen 10 - 14 dae intervalle. Verkenning is noodsaaklik. Dien tot 1500 l spuitmengsel/ha (afhangende van die blaarbedekking) toe. Verseker deeglike bedekking van die plante.

<p><b>Mango's</b></p> <p>Poeieragtige skimmel (Witroes)</p>	<p>40 mℓ / 100 ℓ water</p>	<p>Dien <b>VETO PLUS</b> elke 10-14 dae toe vanaf die eerste tekens van infeksie tot 100% blomblaarval. Herhaal toediening indien bot onreëlmatig is.</p>
<p><b>Sonneblomme</b></p> <p>Poeieragtige skimmel (Witroes)</p>	<p>500 mℓ / ha</p>	<p>Dien sodra die siekte opgemerk word toe, maar voor die infeksie 10% bereik. Verseker deeglike benatting van die blare.</p> <p><b>Lugtoediening:</b> Dien in ten minste 30 ℓ water per ha toe.</p>