



FLUSTAR WG

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY

VERWYS NA BESONDERHEDE SOOS OP HOUER / SAK GEDRUK

GEBRUIKSAANWYSINGS INGESLUIT

Lotnommer

Datum van vervaardiging

FLUSTAR WG

FUNGICIDE

Reg. No. L8419, Act/Wet No. 36 of/van 1947 1: 25/08/2009

A systemic water dispersible granule fungicide for the control of diseases on crops as listed.

'n Sistemiese waterdispergeerbare korrel swamdoder vir die beheer van siektes op gewasse soos aangedui.

FRAC FUNGICIDE GROUP CODE	3	FRAC SWAMDODERGROEPKODE
ACTIVE INGREDIENT / AKTIEWE BESTANDEEL		
Flusilazole (triazole)	200 g/kg	Flusilasool (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

5kg

UN Number: 3077

CAUTION / VERSIGTIG

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number

Date of manufacture

WARNINGS

Allow the following number of days between last treatment and harvest or use as food or feed:

Grapes.....	21 days
Apples and pears.....	14 days

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

- Toxic to fish and aquatic organisms.
- Toxic to wildlife.
- Can cause eye damage.
- Store under lock and key in a cool place.
- Store away from food, feed, fertilizer and other agricultural products.
- 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.
- **FLUSTAR WG** 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 **FLUSTAR WG** to a limited test area before commercial applications are made.

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 fumes or spray mist.
- Avoid skin and eye contact by wearing protective clothing when mixing the product. Should eye contact occur, flush with plenty of water and get medical attention if necessary.
- Wash with soap and water after use and accidental skin contact as well as contaminated clothing.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Do not use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

RESISTANCE WARNING

For resistance management, **FLUSTAR WG** is a group code 3 fungicide. Any fungi population may contain individuals naturally resistant to **FLUSTAR WG** and other group code 3 fungicides. The resistant individuals can eventually dominate the disease population if these fungicides are used repeatedly. These resistant individuals may not be controlled by **FLUSTAR WG** or any other group code 3 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.
- A spray programme of mixtures or alternations with remedies with a different mode of action may delay resistant strain build-up.
- 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 **FLUSTAR WG** as recommended, a resistant strain may be present. If a resistant strain 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.

USE RESTRICTIONS

- The uptake and activity of systemic compounds can be reduced when crops are under severe drought and/or nutrient stress conditions. Therefore, do not apply **FLUSTAR WG** under such conditions.
- Spray programmes with **FLUSTAR WG** should commence before disease/s become established.
- Do not apply **FLUSTAR WG** to any crop or situation not mentioned in this instruction leaflet.
- Only apply **FLUSTAR WG** using an accurate and safe application technique.
- Rain within 3 hours after application may negatively affect uptake of the active ingredient into leaf surfaces.
- If **FLUSTAR WG** is used in a tank mix with other recommended products, consideration should be given to the restrictions of those respective products.

DIRECTIONS FOR USE

Use only as directed

MIXING INSTRUCTIONS

Half-fill the spray tank with suitable water, then add the required amount of **FLUSTAR WG** to the water in the tank while agitating. Fill the spray tank to the desired volume. Do not use brackish water. Should tank mixtures with other products be made, follow the respective manufacturers' label recommendations. **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank.** Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

COMPATIBILITY

The compatibility of **FLUSTAR WG** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made. **FLUSTAR WG** has not been proven to be compatible with any other product.

APPLICATION METHODS

Ensure that the equipment is correctly calibrated and is checked regularly during application to ensure even and accurate application. **FLUSTAR WG** can be applied with conventional tractor boom sprayers in 300 – 500 l water/ha as well as high volume mist blowers. **Constant agitation throughout the spray operation is essential.** Only clean water should be used.

RECOMMENDATIONS

CROP/DISEASE	APPLICATION RATE/ha or as indicated	REMARKS
<p>Wine and Table grapes</p> <p>Powdery mildew (<i>Oidium tuckerii</i>)</p>	<p>17,5 g/100 l water every 10 – 14 days OR 25 g/100 l water every 18 – 21 days</p>	<p>Apply as part of a spray programme in sufficient spray volume to ensure thorough coverage at all times (to point of run-off). Commence spraying when shoots are 100 – 250 mm long and repeat every 14 days. Apply no more than 4 sprays per season with the last application at the start of bunch closure.</p> <p>WINE GRAPES: Start spray programme at 250 l/ha spray volume and use not less than 1 000 l/ha from pea-berry stage onwards.</p> <p>TABLE GRAPES: Start spray programme at 500 l/ha spray volume and increase this to not less than 1 200 l/ha.</p>

- It is recommended to include contact fungicides such as sulphur containing formulations for the control of powdery mildew in grapes.
- Do not exceed the recommended spray interval and include remedies in the total spray programme which will effectively control downy mildew.
- Always spray every row from both sides.

- Summer pruning is recommended to improve spray penetration and coverage.

<p>Apples and Pears Scab (<i>Venturia inaequalis</i>) Scab (<i>Venturia pirina</i>)</p>	<p>HIGH VOLUME: 8 g FLUSTAR WG/100 l water</p>	<p>Commence application at the green tip stage and apply in a preventative spray programme every 7 – 10 days during the pre-blossom stages up to the end of blossoming using 1500 – 2000 litres water per ha. From 75% petal drop stage apply every 10 – 14 days in 2000 – 3500 litres water per ha. Ensure adequate spray coverage.</p>
<p>Apples Powdery mildew (<i>Podosphaera leucotricha</i>)</p>	<p>HIGH VOLUME: 12 g FLUSTAR WG /100 l water</p>	<p>Commence application at the green tip stage and apply in a preventative spray programme every 7 – 10 days during the pre-blossom stages up to the end of blossoming using 1500 – 2000 litres water per ha. From 75% petal drop stage apply every 10 – 14 days in 2000 – 3500 litres water per ha. Ensure adequate spray coverage.</p>

WAARSKUWINGS

Laat die volgende aantal dae toe tussen laaste toediening en oes, of vir gebruik as voedsel of voer:

Druive.....21 dae
Appels en pere.....14 dae

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

- Giftig vir visse en waterorganismes.
- Giftig vir wildlewe.
- Mag oogskade veroorsaak.
- Bêre agter slot-en-grendel in 'n koel plek.
- Bêre weg van voedsel, voer, kunsmis en enige ander landbouprodukte.
- Hou buite bereik van kinders, oningeligte persone en diere.
- **Herbetreding** – Moenie behandelde gebied betree alvorens die spuitmengsel droog is nie, tensy beskermende oorklere gedra word.
- **FLUSTAR WG** is sonder enige fitotoksisiteitskade op die mees belangrikste kommersiële kultivars getoets. Meer sensitiewe kultivars mag in die toekomst vrygestel word wat eers getoets moet word; hiervoor moet **FLUSTAR WG** eers op 'n klein toetsoppervlakte aangewend word, alvorens groot kommersiële bespuitings gemaak word.

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 doeltreffendheid daarvan kan beïnvloed word deur faktore soos abnormale grond-, klimaats- en bergingstoestande; kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui word nie en die voorkoms van weerstand van die siekte teen die betrokke middel, sowel as die metode, tyd en akkuraatheid van die toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige invloede 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 van enige onsekerheid.

VOORSORGMATREËLS

- Moenie dampe of sproeimis inasem nie.
- Vermoed vel en oogkontak deur die dra van beskermende oorklere wanneer daar met die produk gewerk word. Indien middel in aanraking met oog kom, spoel met baie water uit en kry mediese hulp.
- Was met seep en water na gebruik en na toevallige velkontak; so ook die besoedelde klere.
- Was besoedelde klere na gebruik.
- Moenie eet, drink of rook tydens vermenging of toediening van die produk, of voordat hande en gesig gewas is nie.
- Verhoed dat die sproeimis wegdryf na ander gewasse, weiding, riviere, damme of areas wat nie onder behandeling is nie.
- Maak toedieningsapparaat skoon na gebruik. Raak ontslae van spoelwater waar dit nie gewasse, weiding, riviere, damme of boorgate sal besoedel nie.
- Moenie die leë houer vir enige ander doel gebruik nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

WEERSTANDSWAARSKUWING

Vir weerstandsbestuur is **FLUSTAR WG** 'n groepkode 3 swamdoder. Enige swampopulasie mag individue bevat wat natuurlike weerstand teen **FLUSTAR WG** en ander groepkode 3 swamdoders het. Die weerstandbiedende individue kan uiteindelik die siekte-populasie oorheers indien hierdie swammiddels herhaaldelik aangewend word. Hierdie weerstandbiedende individue mag waarskynlik nie deur **FLUSTAR WG** of enige ander groepkode 3 swamdoder beheer word nie.

Om weerstand teen swamdoders te vertraag:

- Vermoed die eksklusiewe herhaaldelike gebruik van swamdoders met dieselfde groepkode. Wissel af met, of gebruik tenkmengsels van, produkte van verskillende swamdodergroepcodes.
- 'n Spuitprogram of tenkmengsels met middels met 'n ander metode van werking kan die opbou van weerstandbiedendheid vertraag.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in siektebeheerprogramme.

Aangesien die voorkoms van weerstandbiedendheid nie voorspel kan word nie, word gebruikers aangeraai om behandelde gewasse noukeurig dop te hou. Indien die behandeling met **FLUSTAR WG** 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 moet die registrasiehouer gekontak word.

GEBRUIKSBEPERKINGS

- Die opname en werking van sistemiese middels kan verlaag word wanneer gewasse onder ernstige droogte- en/of voedingsgebrektoestande verkeer. Moet daarom nie **FLUSTAR WG** onder sulke omstandighede toedien nie.
- Spuitprogramme met **FLUSTAR WG** moet in aanvang neem voordat die siekte(s) posvat.
- Moet nie **FLUSTAR WG** op enige gewas of situasie toedien wat nie op hierdie etiket verskyn nie.
- Dien **FLUSTAR WG** slegs met akkurate en veilige toedieningsmetodes toe.
- Indien dit binne 3 ure na toediening reën, mag die opname van die aktiewe bestanddeel in die blaaroppervlaktes, negatief beïnvloed word.
- Indien **FLUSTAR WG** in 'n tenkmengsel met ander aanbevole produkte gebruik word, moet oorweging geskenk word aan die beperkings van daardie betrokke produkte.

GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui

MENGINSTRUKSIES

Maak die spuittenk halfvol met skoon water en voeg die verlangde hoeveelheid **FLUSTAR WG** by die water in die tenk terwyl geroer word. Maak die tenk vol tot by die verlangde volume. Moet nie brakwater gebruik nie. Indien tenkmengsels met ander produkte gemaak word, moet die etiketaanbevelings van die onderskeie vervaardigers gevolg word. **Tenkmengsels moet onmiddellik uitgespuit word en nie toegelaat word om in die spuittenk te staan nie.** Aan die einde van toediening moet spuittoerusting deeglik uitgespoel word.

VERENIGBAARHEID

Die verenigbaarheid van **FLUSTAR WG** met ander produkte hang van die formulerings van die betrokke produkte af, asook van die kwaliteit van die spuitwater wat gebruik word. Deurdat formulerings van tyd tot tyd kan verander word dit aanbeveel om 'n fisiese verenigbaarheidstoets te doen alvorens 'n tenkmengsel gemaak word. Dit is nog nie bewys dat **FLUSTAR WG** met enige ander produk verenigbaar is nie.

TOEDIENINGSMETODES

Maak seker dat die spuittoerusting korrek gekalibreer is en gereeld tydens toediening nagegaan word om egalige en akkurate toediening te verseker. **FLUSTAR WG** kan met 'n konvensionele trekkerbalkspuit in 300 – 500 ℓ water/ha asook met hoë-volume newelblasers toegedien word. **Konstante roering gedurende toediening is noodsaaklik.** Slegs skoon water moet gebruik word.

AANBEVELINGS

GEWAS/SIEKTE	DOSIS/ha of soos aangedui	OPMERKINGS
<p>Wyn- en Tafeldruive</p> <p>Poeieragtige skimmel (meeldou) (<i>Oidium tuckerii</i>)</p>	<p>17,5 g/100 ℓ water elke 10 – 14 dae OF 25 g/100 ℓ water elke 18 – 21 dae</p>	<p>Dien toe as deel van 'n spuitprogram in genoegsame spuitvolume om deeglike benatting (tot punt van afloop) deurgaans te verseker.</p> <p>Begin bespuiting wanneer lote 100 – 250 mm lank is en herhaal elke 14 dae. Moet nie meer as 4 bespuitings per seisoen doen nie, met die laaste toediening by begin van trossluiting.</p> <p>WYNDRUIWE: Begin spuitprogram met 250 ℓ/ha spuitvolume en nie minder as 1 000 ℓ/ha vanaf ertjiekorrelstadium af nie.</p> <p>TAFELDRUIWE: Begin spuitprogram met 500 ℓ/ha spuitvolume en verhoog dit tot nie minder as 1 200 ℓ/ha nie.</p>

- Dit word aanbeveel om kontak-swamdoders soos swaelbevattende-formulerings vir die beheer van poeieragtige meeldou by druiwe in te sluit.
- Moet nie die voorgestelde spuitintervalle oorskry nie, en sluit plaagdoders in die totale spuitprogram in wat donsskimmel doeltreffend sal beheer.
- Elke ry moet altyd van beide kante gespuit word.

- Somersnoei word aanbeveel om die spuitmiddel se penetrasie en bedekking te verbeter.

<p>Appels en Pere</p> <p>Skurfsiekte (<i>Venturia inaequalis</i>)</p>	<p>HÖE VOLUME: 8 g FLUSTAR WG/100 l water</p>	<p>Begin met toediening by groenpuntstadium en dien toe in 'n voorkomende spuitprogram elke 7-10 dae vanaf voorblomstadium tot by die einde van blom. Gebruik 1500 – 2000 liter water per ha. Vanaf 75% blomblaarvalstadium dien toe elke 10 – 14 dae in 2000 – 3500 liter water per ha. Verseker genoegsame spuitstofbedekking.</p>
<p>Appels</p> <p>Poeieragtige skimmel(meeldou) (<i>Podosphaera leucotricha</i>)</p> <p>Skurfsiekte (<i>Venturia pirina</i>)</p>	<p>HÖE VOLUME: 12 g FLUSTAR WG /100 l water</p>	<p>Begin met toediening by groenpuntstadium en dien toe in 'n voorkomende spuitprogram elke 7-10 dae vanaf voorblomstadium tot by die einde van blom. Gebruik 1500 – 2000 liter water per ha. Vanaf 75% blomblaarvalstadium dien toe elke 10 – 14 dae in 2000 – 3500 liter water per ha. Verseker genoegsame spuitstofbedekking.</p>