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**BASF**

We create chemistry

# Cantus<sup>®</sup> WG

Reg. No. L7444; N-AR 0730

Act No. 36 of 1947

READ ATTACHED PACKAGE OR LEAFLET BEFORE USE  
KEEP OUT OF REACH OF CHILDREN AND ANIMALS

GROUP

7

FUNGICIDES

A waterdispersible granular systemic fungicide, for the control of Botrytis and powdery mildew on vines.

'n Waterdispergeerbarekorrel sistemiese-swamdoder, vir die beheer van botritis en poeieragtige meeldou op wingerd.

Toxic to aquatic life.

If medical advice is needed, have product container or label at hand.

Dispose of contents and container to hazardous or special waste collection point.

Active ingredients: Boscalid (pyridine-carboxamide).....500 g/kg  
Aktiewe bestanddele:

Registered by:

BASF South Africa (Pty) Ltd  
Co. Reg. No. 66/10235/07  
P.O. Box 2801  
Halfway House 1685

Geregistreer deur:

BASF Suid-Afrika (Edms) Bpk  
Mpy Reg. Nr 66/10235/07  
Posbus 2801  
Halfweghuis 1685

Batch No. & Date manufactured: Refer to details printed on container  
Lotnommer & Datum vervaardig: Verwys na besonderhede gedruk op houer

EMERGENCY NUMBER / NOODNOMMER: +27 82 446 8946

\* = Registered trademark of BASF / Geregistreeerde handelsmerk van BASF



81163719 ZA.2092



**1 kg**

**ENGLISH**

**WARNINGS**

**Hazard Statements:**

- Toxic to aquatic life.

**ALLOW THE FOLLOWING MINIMUM NUMBER OF DAYS, BETWEEN LAST APPLICATION AND HARVEST:**

Table Grapes	28
Wine Grapes	28

- Handle with care.
- Store in a cool, dry place away from food and feedstuffs.
- Keep out of reach of children, irresponsible people and animals.

Although this remedy has been tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions, because the action and effect thereof may be affected by factors, such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of 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, harm to man or animal, or for lack of performance of the remedy concerned, due to the occurrence of conditions, which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

**PRECAUTIONS**

**Precautionary Statements:**

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read carefully and follow all instructions.
- Dispose of contents and container to hazardous or special waste collection point.

- Do not inhale spray mist or dust.
- Wear protective clothing.
- Wash contaminated clothing daily.
- Wash with soap and water after accidental skin contact.
- Do not smoke, eat or drink during mixing and spraying operations before washing hands and face thoroughly.
- Do not contaminate springs, dams, rivers, eating utensils, food or feed.
- Prevent drift onto other crops and grazing.
- TRIPLE RINSE empty containers 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% of that of the container. Add the rinsings to the contents of the spray tank, before destroying the container in the prescribed manner.

#### RELEVANT SUBSTANCES

Hazardous ingredients According to UN GHS criteria	CAS number	Concentration (W/W)
boscalid (ISO); 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)-nicotinamide	188425-85-6	50 %
Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	9084-06-4	< 15 %
Ammonium sulphate	7783-20-2	< 10 %
Lignosulfonic acid, sodium salt	8061-51-6	< 30 %

#### FIRST AID TREATMENT

Remove contaminated clothing.

<b>ON CONTACT WITH EYES:</b>	Wash affected eyes for at least 15 minutes under running water with eyelids held open.
<b>ON INGESTION:</b>	Rinse mouth and then drink 200 to 300 ml water.
<b>ON SKIN CONTACT:</b>	Wash thoroughly with soap and water.
<b>IF INHALED:</b>	Keep patient calm, remove to fresh air.

**Indication of any immediate medical attention and special treatment needed**

Treatment: Symptomatic treatment (decontamination, vital functions).

#### RESISTANCE WARNING

For resistance management, Cantus® WG is a FRAC Group Code 7 fungicide. Any fungal population may contain individuals naturally resistant to Cantus® WG and other FRAC Group Code 7 fungicides. The resistant individuals can eventually dominate the fungal population, if these fungicides are used repeatedly and exclusively in programmes. These resistant fungi may not be controlled by Cantus® WG or any other FRAC Group Code 7 fungicides.

To delay fungicide resistance:

- Cantus® WG is restricted to one application per season.
- Apply Cantus® WG always preventively before an infection occurs.
- Avoid exclusive repeated use of fungicides from the same Fungicide Group Code.
- Integrate other control methods (chemical, cultural, biological), into disease control programmes.

FOR SPECIFIC INFORMATION ON RESISTANCE MANAGEMENT, CONTACT THE REGISTRATION HOLDER, BASF SA (Pty) Ltd.

#### DIRECTIONS FOR USE: USE ONLY AS DIRECTED

**Compatibility:**

**Cantus® WG** is compatible with **Kumulus®** (L2404), **Polyram®** (L5268), **Acrobat® WG** (L6526) and **Cabrio® Top** (L7429).

**Mixing instructions:**

Half fill the tank with clean water. Measure the required quantity of **Cantus® WG** and pre-mix this with at least 10 ℓ water. Add this mixture to the water in the spray tank while agitating the mixture. Fill the spray tank with water while maintaining agitation to ensure thorough mixing of the spray mixture before spraying commences. Maintain agitation during the whole spraying operation. Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

**Applications:**

- Apply preventively, before an infection period occurs.
- **Cantus® WG** should be applied between full flower (50% flower hoods fallen) and pea berry stage, but before bunch closure.
- All further required applications should be made with other registered products from different Group Codes, that are suitable for later treatments of Botrytis control.
- **Cantus® WG must be applied as a single application in a Botrytis and / or powdery mildew control programme. For good resistance management, the other applications must be made with an unrelated Botrytis or powdery mildew fungicide.**

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All spray applications must be made with suitable equipment, that is in good working order and correctly calibrated, to give the desired coverage for that particular method of application.

CROP	DISEASE	DOSAGE / 100 l WATER	DIRECTIONS FOR USE
<b>TABLE and WINE GRAPES</b>	Botrytis ( <i>Botrytis cinerea</i> ) Powdery mildew ( <i>Uncinula necator</i> )	80 g	<p>Apply preventively between full flower (50% flower hoods fallen) and pea berry stage, but before bunch closure. Apply as a high volume, full cover spray.</p> <p>Water volume depends on the size and growth stage of the crop.</p> <p><b>Ensure thorough wetting of the bunches. Cantus® WG must be applied as a single application in a Botrytis control programme. For good resistance management, the other applications must be made with an unrelated Botrytis fungicide.</b></p> <p>The application for the control of Botrytis will simultaneously control powdery mildew.</p> <p>This will therefore replace a fungicide application in a 14 day spray programme, during a very critical stage of powdery mildew control.</p> <p><b>Cantus® WG must be applied as a single application in a powdery mildew control programme. For good resistance management, the other applications must be made with an unrelated powdery mildew fungicide.</b></p> <p><b>DO NOT APPLY MORE THAN ONE APPLICATION PER SEASON.</b></p>

**Kumulus®, Polyram®, Acrobat® WG and Cabrio® Top** are Registered Trademarks of BASF.

## AFRIKAANS

### WAARSKUWINGS

#### Gevaarstellings:

- Giftig vir akwatiese lewe..

#### LAAT DIE VOLGENDE MINIMUM AANTAL DAE TOE, TUSSEN LAASTE TOEDIENING EN OES:

Wyndruiwe	28
Tafeldruiwe	28

- Hanteer versigtig.
- Stoor in 'n koel, droë plek weg van kos en voer.
- Hou buite bereik van kinders, ongeligte persone en diere.

Alhoewel hierdie middel 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, 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 beïnvloed kan word, die metode, tyd en akkuraatheid van toediening kan ook die werking en doeltreffendheid van die middel beïnvloed. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei en die omgewing nie, of vir nadelige effek op mens of dier nie, of vir onvoldoende prestasie van die betrokke middel weens die versuim van die gebruiker om etiketaanwysings na te kom nie, of weens toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in geval van enige onsekerheid.

### VOORSORGMATREËLS

#### Voorsorgstellings:

- Indien mediese advies nodig is, hou die produkhouer of etiket byderhand.
- Hou buite bereik van kinders.
- Lees versigtig deur en volg alle instruksies.
- Raak ontslae van inhoud en houer deur na 'n gevaarlike- of spesiale-afval insamelingsplek te besorg..

- Moenie dampe of spuitnewel inasem nie.
- Dra beskermende oorklere.
- Was besmette klere daagliks.
- Was met seep en water indien dit per ongeluk op die vel beland.
- Moenie eet, rook of drink terwyl gemeng of gespuit word nie en alvorens die hande en gesig nie eers gewas is nie.
- Moenie fonteine, damme, riviere, eetgerei, voedsel of voer besoedel nie.
- Vermoer oorwaai van spuitstof na ander gewasse en weiveld.
- Leë houers moet DRIE KEER UITGESPOEL word soos volg. Keer die leë houer om oor die spuittenk of mengbak en dreineer vir minstens 30 sekondes, nadat die vloei tot 'n gedrup verminder het. Spoel die houer daarna drie keer uit met 'n volume water gelykstaande aan 'n minimum van 10% van die houer. Gooi die spoelwater by die inhoud van die spuittenk, voordat die houer op die voorgeskrewe wyse vernietig word.

#### RELEVANTE STOWWE

Gevaarlike bestanddele Volgens UN GHS kriteria	CAS nommer	Konsentrasie (W/W)
boscalid (ISO); 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)-nicotinamide	188425-85-6	50 %
Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	9084-06-4	< 15 %
Ammonium sulphate	7783-20-2	< 10 %
Lignosulfonic acid, sodium salt	8061-51-6	< 30 %

#### NOODHULPBEHANDELING

Verwyder besmette klere.

<b>INDIEN IN DIE OË:</b>	Spoel aangetaste oë vir ten minste 15 minute met lopende water uit terwyl die ooglede oopgehou word.
<b>INDIEN INGESLUK:</b>	Spoel mond uit en drink 200 tot 300 ml water.
<b>INDIEN OP DIE VEL:</b>	Was deeglik met seep en water.
<b>INDIEN INGEASEM:</b>	Hou pasiënt kalm, verwyder na vars lug.

**Aanduiding van enige onmiddellike mediese aandag en spesiale behandeling wat nodig is**

**Behandeling:** Behandel simptome (ontsmetting, lewensbelangrike funksies).

#### WAARSKUWING TEEN WEERSTAND

Cantus® WG is 'n FRAC Groepkode 7 swamdoder. Enige populasie van 'n spesifieke swam mag individue insluit, wat 'n natuurlike weerstand teen Cantus® WG, of enige ander FRAC Groepkode 7 swamdoders het. Indien hierdie swamdoders in herhaaldelike en eksklusiewe programme aangewend word, kan die weerstandbiedende individue uiteindelik die swampopulasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur Cantus® WG of enige ander FRAC Groepkode 7 swamdoders, beheer word nie.

Om weerstand teen swamdoders te vertraag:

- Cantus® WG mag slegs een keer per seisoen toegedien word.
- Dien Cantus® WG altyd voorkomend, voor die infeksieperiode toe.
- Vermyn die eksklusiewe herhaaldelike gebruik van swamdoders in dieselfde Swamdodergroepkode.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies), in swamdoderprogramme.

VIR SPESIFIEKE INLIGTING OOR WEERSTANDBESTUUR, KONTAK DIE REGISTRASIEHOUER, BASF SA (Edms) Bpk.

#### GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS VOORGESKRYF

**Verenigbaarheid:**

Cantus® WG is verenigbaar met **Kumulus®** (L2404), **Polyram®** (L5268), **Acrobat® WG** (L6526) en **Cabrio® Top** (L7429).

**Menginstruksies:**

Maak die spuittenk halfvol met skoon water. Meet die benodigde hoeveelheid Cantus® WG af en meng dit vooraf met minstens 10 l water. Voeg hierdie mengsel by die water in die spuittenk terwyl die mengsel geroer word. Vul die spuittenk met water terwyl daar nog steeds geroer word, ten einde deeglike vermenging van die spuitmengsel te verseker alvorens daar begin word met bespuiting. Handhaaf roering gedurende die hele spuitproses. Aangemaakte spuitmengsel moenie in die spuittenk gelaat word vir enige bepaalde tydperk, bv. oornag, nie.

**Toedienings:**

- Dien voorkomend voor 'n infeksieperiode toe.
- Cantus® WG moet tussen volle blom (50% blomblaarval) en ertjiekorrelstadium, maar voor die tros toemaak, toegedien word.
- Verdere benodigde toedienings vir Botritis beheer moet met ander geregistreerde produkte van ander Groepkodes gespuit word.
- Cantus® WG moet as 'n enkeltoediening in 'n Botritisbeheer-program toegedien word. Vir goeie weerstandbiedendheids-bestuur, moet die volgende toedienings met 'n nie verwante Botritis swamdoder gespuit word.



Alle toedienings moet gemaak word met geskikte toerusting, wat in goeie werkende toestand en korrek gekalibreer is, ten einde die verlangde bedekking te gee vir die betrokke toedieningsmetode.

GEWAS	SIEKTE	DOSIS / 100 l WATER	GEBRUIKSAANBEVELINGS
<b>TAFEL- en WYN- DRUIWE</b>	Botritis ( <i>Botrytis cinerea</i> )  Poelieragtige meeldou ( <i>Uncinula necator</i> )	80 g	<p>Dien as 'n voorkomende behandeling tussen volle blom (50% blomblaarval) en ertjekorrelstadium, maar voor die tros toemaak, toe.</p> <p>Dien as 'n hoë volume, volle dekbespuiting toe.</p> <p>Die watervolume hang van die grootte en groeistadium van die gewas af.</p> <p><b>Verseker goeie bedekking van al die vrugte. Cantus® WG moet as 'n enkel toediening in 'n Botritisbeheerprogram toegedien word.</b></p> <p>Vir goeie weerstandbiedendheidsbestuur, moet die daaropvolgende toedienings met 'n nie verwante Botritis-swamdoder gespuit word.</p> <p>Die toediening vir die beheer van Botritis, sal tegelykertyd poelieragtige meeldou beheer.</p> <p>Hierdie toediening vervang dus 'n swamdoderdodertoediening in 'n 14 dae spuitprogram tydens 'n baie kritiese stadium van poelieragtige meeldou beheer. <b>Cantus® WG moet as 'n enkeltoediening in 'n poelieragtige meeldoubeheerprogram toegedien word. Vir goeie weerstandbiedendheidsbestuur, moet die volgende toedienings met 'n nie verwante poelieragtige meeldou-swamdoder gespuit word.</b></p> <p><b>MOENIE MEER AS EEN BESPUITING PER SEISOEN TOEDIEN NIE.</b></p>

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**1 kg**