



We create chemistry

ml
800

Collis®

700

Reg. No. L7489; N-AR 0731

Act No. 36 of 1947

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

600

GROUP	7	11	FUNGICIDES
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A suspensible concentrate systemic fungicide for the control of powdery mildew on vines and cucurbits.

'n Suspendeerbare konsentraat, sistemiese swamdoder vir die beheer van poeieragtige meeldou op wingerd en pampoengewasse.

Hazard statements:

Suspected of causing cancer.
Toxic to aquatic life with long lasting effects.
Very toxic to aquatic life.



Precautionary statements:

Wear protective gloves, protective clothing and eye protection or face protection.
IF exposed or concerned: Get medical attention.



500

400

Active ingredients / Aktiewe bestanddele:

Boscalid (pyridine-carboxamide).....200 g/l
Kresoxim-methyl (oximino acetates).....100 g/l

Registered by:

BASF South Africa (Pty) Ltd
Co. Reg. No. 66/10235/07
852 Sixteenth Road
P.O. Box 2801
Halfway House 1685
+27 11 203 2400

Geregistreer deur:

BASF Suid-Afrika (Edms) Bpk
Mpy Reg. Nr 66/10235/07
852 Sestiende Laan
Posbus 2801
Halfweghuis 1685
+27 11 203 2400

300

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



81169286 ZA 2063



200
ml

1 l

® = Registered trademark of BASF / Geregistreeerde handelsmerk van BASF

ENGLISH

WARNINGS

Hazard Statements

- Suspected of causing cancer.
- Toxic to aquatic life with long lasting effects.
- Very toxic to aquatic life.

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

Cucurbits	7
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.
- Wear protective gloves, protective clothing and eye protection or face protection.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- IF exposed or concerned: Get medical attention.
- Collect spillage.
- Store locked up.
- Dispose of contents and container to hazardous or special waste collection point.

- Do not inhale spray mist or dust.
- 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.
- Destroy empty container and dispose of it in a safe way and never re-use for any other purpose.

FIRST AID TREATMENT

Remove contaminated clothing.

ON CONTACT WITH EYES:	Wash affected eyes for at least 15 minutes under running water with eyelids held open.
ON INGESTION:	Immediately rinse mouth and then drink 200 – 300 ml water, seek medical attention.
ON SKIN CONTACT:	Wash thoroughly with soap and water.
IF INHALED:	Keep patient calm, remove to fresh air, seek medical attention.

TREATMENT: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

RELEVANT SUBSTANCES

Hazardous ingredients According to UN GHS criteria	CAS number	Concentration (W/W)
boscalid (iso), water moist	188425-85-6	18,18 %
kresoxim-methyl (ISO); methyl (E)-2-methoxyimino-[2-(o-tolyloxy)methyl]phenyl]acetate	143390-89-0	9,09 %
Propane-1,2-diol	57-55-6	< 5 %

RESISTANCE WARNING

For resistance management, Collis® is a FRAC Group Codes 7 and 11 fungicide. Any fungal population may contain individuals naturally resistant to Group Codes 7 and / or 11 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 other Group Codes 7 and / or 11 fungicides.

- To delay fungicide resistance:
- Collis® is restricted to three applications per season.
- Apply Collis® 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

Mixing instructions:

Half fill the tank with clean water. Measure the required quantity of Collis® 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.

Application recommendations

- Apply preventively before an infection period occurs.
- Apply a maximum of three applications per season.
- Collis® forms a part of a spray programme, for the control of powdery mildew.
- For good resistance management, the other applications must be made with fungicides unrelated to Group Codes 7 and / or 11.

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 PER 100 IWATER	DIRECTIONS FOR USE
TABLE- ANDWINE GRAPES	Powdery mildew (<i>Uncinula necator</i>)	30 ml	Apply Collis® as a preventive treatment. To control powdery mildew, a preventive spray programme should commence at 5 – 10 cm shoot length. A maximum of three Collis® applications per season at 10 – 14 day intervals, should be applied in the programme. All other applications must be made with different Group Code fungicides [e.g. Kumulus® WG (L2404) for powdery mildew control].
CUCURBIT CROPS	Powdery mildew (<i>Sphaerotheca fuliginea</i>)	500 ml/ha If water volume exceeds 500 l/ha apply at the rate of 100 ml product/100 l water.	Apply Collis® as a preventive treatment at 14 day intervals. Collis® should be applied as part of a programme application with a maximum of three applications per season. All other applications for the control of powdery mildew, must be made with different Group Code Fungicides. Apply Collis® at 300 – 500 l water/ha. Ensure good coverage of the plants.

Kumulus® WG is a Registered Trademark of BASF.

AFRIKAANS

WAARSKUWINGS

Gevaarstellings

- Mag kanker veroorsaak
- Giftig vir akwatiese organismes met langdurige effek.
- Baie giftig vir akwatiese organismes

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

Pampoengewasse	7
Tafeldruiwe	28
Wyndruiwe	28

- Hanteer versigtig.
- Bêre weg van kos en voer in 'n koel, droë plek.
- Bêre buite bereik van kinders, onverantwoordelike 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.

VOORSORGMAATREËLS

Voorsorgstellings

- Indien mediese advies benodig word, hou die produkhouer of -etiket byderhand.
- Hou buite bereik van kinders
- Lees etiket noukeurig en volg alle instruksies
- Dra beskermende handskoene/beskermende klere/oogbeskerming en gesigbeskerming
- Verkry spesiale instruksie voor gebruik
- Do not handle until all safety precautions have been read and understood.
- INDIEN blootgestel of besorg: Kry mediese hulp.
- Maak stortsel bymekaar
- Berg agter slot en grendel.
- Raak ontslae van inhoud/houer deur na 'n gevaarlike- of spesiale-afval insamelingsplek te besorg.

- Moenie dampe of spuitnewel inasem nie.
- Was besmette klere daaglik.
- Was met seep en water indien dit per ongeluk op die vel beland.
- Moenie eet, rook of drink terwyl gemeng of gespuut word nie en alvorens die hande en gesig nie eers gewas is nie.
- Moenie fonteine, damme, riviere, eetgerei, voedsel of voer besoedel nie.
- Vermy 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.
- Vernietig leë houer en raak op 'n veilige wyse daarvan ontslae en moenie vir enige ander doel hergebruik nie.

NOODHULPBEHANDELING

Verwyder besmette klere

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

Behandeling: Behandel simptome (reinig, belangrikste funksies). Daar is geen spesifieke teenmiddel nie.

RELEVANTE STOWWE

Gevaarlike bestanddele Volgens UN GHS kriteria	CAS nommer	Konsentrasie (W/W)
boscalid (iso), water moist	188425-85-6	18,18 %
kresoxim-methyl (ISO); methyl (E)-2-methoxyimino-[2-(o-tolylloxymethyl)phenyl]acetate	143390-89-0	9,09 %
Propane-1,2-diol	57-55-6	< 5 %

WAARSKUWING TEEN WEERSTAND

Collis® is 'n FRAC Groepkodes 7 en 11 swamdoder. Enige populasie van 'n spesifieke swam mag individue insluit wat 'n natuurlike weerstand teen ander Groepkodes 7 en / of 11 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 ander Groepkodes 7 en / of 11 swamdoders, beheer word nie.

- Om weerstand teen swamdoders te vertraag:
- **Collis®** word beperk tot drie toedienings per seisoen.
- **Collis®** moet altyd voorkomend, voor die infeksieperiode toegedien word.
- Vermy die eksklusiewe herhaaldelike gebruik van swamdoders van dieselfde Swamdodergroepkode.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in swamdoderprogramme.

Vir spesifieke inligting oor weerstandsbestuur, kontak die Registrasiehouer, BASF SA (Edms) Bpk.

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS VOORGESKRYF

Menginstruksies:

Maak die spuittenk halfvol met skoon water. Meet die benodigde hoeveelheid **Collis®** 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.

Toedieningsaanbevelings

- Dien voorkomend, voor infeksie, toe.
- Dien 'n maksimum van drie toedienings per seisoen toe.
- **Collis®** vorm deel van 'n spuitprogram, vir die beheer van poeieragtige meeldou, uit.
- Vir goeie weerstandbiedendheidsbestuur, moet die ander toedienings met swamdoders wat nie verwant is aan die Groepkodes 7 en / of 11, gemaak word nie.

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 PER 100 l WATER	TOEDIENINGS-VOORSKRIFTE
TAFEL en WYN-DRUWE	Poeieragtige meeldou (<i>Uncinula necator</i>)	30 ml	Dien Collis® voorkomend toe. Vir die beheer van poeieragtige meeldou, moet 'n voorkomende spuitprogram gevolg word wat by 5 – 10 cm lootlengte moet begin. 'n Maksimum van drie Collis® toedienings per seisoen, met 10 – 14 dae intervalle, mag in 'n poeieragtige meeldou program gebruik word. Alle ander toedienings moet met ander Groepkode swamdoders gespuut word [bv. Kumulus® WG (L2404) vir poeieragtige meeldou beheer].
PAMPOEN-GEWASSE	Poeieragtige meeldou (<i>Sphaerotheca fuliginea</i>)	500 ml/ha As water-volume 500 l/ha oorskrei, moet 100 ml produk/100 l water gespuut word.	Dien Collis® voorbehoedend toe met 14 dag intervalle. Collis® moet as deel van 'n programbespuiting toegedien word, met 'n maksimum van drie toedienings per seisoen. Alle ander toedienings, vir poeieragtige meeldou beheer, moet met ander Groepkodes Swamdoders toegedien word. Dien Collis® in 300 – 500 l water/ha toe. Verseker deeglike bedekking van die plante.

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