

BASF
We create chemistry

Orvego®

Reg. No. L9185; N-AR 2130;

Act No. 36 of 1947

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

GROUP	40	45	FUNGICIDES
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A suspension concentrate contact fungicide with preventive and local systemic properties for the control of downy mildew on table and wine grapes as well as late blight on potatoes.

'n Suspensiekonsentraat kontakswamdoder met voorkomende- en plaaslik sistemiese werking vir die beheer van donsige skimmel op tafel- en wyndruive, sowel as laatroes op aartappels.



WARNING

Harmful if swallowed.
Very toxic to aquatic life with long lasting effects.
Do not eat, drink or smoke when using this product.
Wash contaminated body parts thoroughly after handling.



Active ingredients: Ametoctradin (pyrimidylamine)... 300 g/l
Aktiewe bestanddele: Dimethomorph (cinnamic acid amides)... 225 g/l

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

Geregistreer deur:
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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

UN No. / VN Nr: 3082

* = Registered trademark of BASF / Geregistreerde handelsmerk van BASF

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ENGLISH

WARNINGS

Hazard Statements

- Harmful if swallowed.
- Very toxic to aquatic life with long lasting effects.

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

Potatoes	7
Table grapes	21
Wine grapes	21

- Handle with care.
- Store in a cool, dry place, away from food and feed.
- Keep out of reach of children, uninformed persons 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.
 - Do not eat, drink or smoke when using this product.
 - Wash contaminated body parts thoroughly after handling.
 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 - Rinse mouth.
 - Collect spillage.
 - Dispose of contents and container to hazardous or special waste collection point.
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- Do not inhale spray mist.
 - Wear protective clothing – rubber gloves and face shield when handling.
 - Avoid spray drift onto other crops, grazing, rivers, dams and any area not under treatment.
 - Prevent contamination of food, feedstuffs, drinking water and eating utensils.
 - Clean applicator after use, before using with other remedies. Dispose of wash water where it will not contaminate crops, grazing, rivers and dams.
 - Destroy empty container completely and do not re-use for any other purpose.

RELEVANT SUBSTANCES

Hazardous ingredients According to UN GHS criteria	CAS number	Concentration (W/W)
ametoctradine (ISO); 5-ethyl-6-octyl[1,2,4]triazolo[1,5- α]pyrimidin-7-amine	865318-97-4	26,9 %
dimethomorph (ISO); 4-(3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)acryloyl)morpholine	110488-70-5	20,3 %
Benzenesulfonic acid, hydroxy-, polymer with formaldehyde, phenol and urea, sodium salt	102980-04-1	< 5 %
2-Methyl-2H-isothiazol-3-one	2682-20-4	< 0,01 %
Propane-1,2-diol	57-55-6	< 20 %

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 of 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.

Indication of any immediate medical attention and special treatment needed

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

RESISTANCE WARNING

For resistance management, Orvego® is a FRAC Group Codes 45 & 40 fungicide. Any fungal population may contain individuals naturally resistant to Orvego® and other Group Codes 45 & 40 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 Orvego® or any other group codes 45 & 40 fungicides.

To delay fungicide resistance:

- Avoid exclusive repeated use of fungicides from the same Fungicide Group Code. Alternate or tank-mix with products from different Fungicide Group Codes.
- For tank mixing or alternation with products in unrelated Fungicide Group Codes, refer to applicable individual product labels.
- 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

General information:

Orvego® is a mixture of ametoctradin (Initium®) and dimethomorph. The mode of action of **Initium®** is to inhibit zoospore and zoosporangium infection of host plants. Dimethomorph is to act by disrupting fungal cell-wall formation. This unique mode of action means that no cross-resistance with phenylamide-resistant strains has been observed or is anticipated. The anti-sporulant activity of dimethomorph reduces the potential for reinfestation. Some curative effect has been observed, but in practice, **Orvego®** is best used and recommended as a prophylactic treatment.

Initium® in combination with dimethomorph has excellent preventive activity, but also has curative and anti-sporulant activity.

Compatibility:

The compatibility of **Orvego**® has been tested on many of the products in common use in grape vines and potatoes, with no adverse effect. However, as formulations of other products may change and water quality may vary from farm to farm, it is recommended to carry out a physical compatibility test prior to the application of a tank mixture. When using in combination with other products, full cognisance should be taken of all **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on that label. **Orvego**® is compatible with **Vivando**® (L8352) and **Collis**® (L7489) on grape vines and **Bellis**® (L7817), **Fastac**® SC (L4992) and **Hunter**® 24 (L8307) on potatoes.

General instructions:

Grapes

Orvego® must be used in a protective spray programme and be applied during the early part of the season, where protection at the flowering and early fruit formation stages, is critical.

Potatoes

Apply **Orvego**® every 7 – 10 days, as a preventive treatment. It is recommended to start **Orvego**® applications early in the growing season, with a minimum of two consecutive applications. The first treatment should be applied at approximately 50% emergence followed by a second application 7 – 10 days later. Additional applications in the programme and the exact timing thereof will depend on disease pressure, weather conditions and the crop growth rate. In sandy soils where the crop is irrigated more frequently, a spray interval of seven days is recommended. Varieties that are very susceptible to late blight (such as Up-To-Date and other similar varieties) should be treated at no more than seven day intervals, even under dry weather conditions and high disease pressure.

Mixing instructions:

Three-quarter fill the spray tank with clean water. Measure the required quantity of **Orvego**® and pre-mix this with at least 10 l of water before adding to the spray tank. If any other product is to be mixed with **Orvego**®, pre-mix the required volume of product in similar fashion. 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 while spraying. Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

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	DIRECTIONS FOR APPLICATION
POTATOES	Late blight (<i>Phytophthora infestans</i>)	800 ml/ha	<p>Ground application: With boom and nozzle: Apply Orvego® as part of a preventive spray programme at 7 – 10 day intervals. In the programme, alternate with unrelated fungicides. Apply in 500 – 800 l water/ha, ensuring good coverage of the plants, as well as thorough penetration of the canopy. This will result in good coverage of lower leaves, which usually is the source of infestation.</p> <p>Apply Orvego® as a preventive treatment before the onset of infection periods.</p> <p>It is recommended to reduce the spray interval to seven days when conditions of rapid crop growth occur together with environmental conditions favouring disease development.</p> <p>Dry land: 7 – 10 day programme can be followed. Irrigation: Maintain a seven day programme. Apply a maximum of four Orvego® applications per season.</p> <p>Refer also to General information and General instructions above.</p> <p>Orvego® is not registered against early blight (<i>Alternaria solani</i>). Bellis® or a fungicide product registered for the control of early blight should be used when conditions favour the development of this disease.</p>

CROP	DISEASE	DOSAGE	DIRECTIONS FOR APPLICATION
TABLE and WINE GRAPES	Downy mildew (<i>Plasmopara viticola</i>)	100 ml/100 l water	Use Orvego [®] in a preventive spray programme. Apply as a high volume application ensuring good coverage. Apply in 500 – 1500 l/ha spray mix depending on growth stage of the crop. Commence first application at 5 – 10 cm shoot- length. Repeat applications every 10 – 14 days. Apply a maximum of three Orvego [®] applications per season. Orvego [®] may be used in a protective programme along with unrelated protective fungicides.

Vivando[®], **Collis**[®], **Bellis**[®], **Fastac**[®] **SC**, **Initium**[®] and **Hunter**[®] **24** are Registered Trademarks of BASF.

AFRIKAANS

WAARSKUWINGS

Gevaarstellings

- Skadelik indien ingesluk.
- Baie giftig vir akwatiese organismes met langdurige effek.

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

Aartappels	7
Tafeldruiwe	21
Wyndruiwe	21

- Hanteer versigtig.
- Bêre in 'n koel, droë plek weg van voedsel en voer.
- Hou buite bereik van kinders, oningeligte 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 etiket noukeurig en volg alle instruksies.
 - Moenie eet, drink of rook wanneer hierdie produk gebruik word nie.
 - Was besmette liggaamsdele deeglik na hantering.
 - INDIEN INGESLUK: Kontak 'n GIF SENTRUM of geneesheer indien jy sleg begin voel.
 - Spoel mond uit.
 - Maak produk bymekaar wat gemors / uitgeloop het..
 - Raak ontslae van inhoud en houer deur na 'n gevaarlike- of spesiale-afval insamelsplek te besorg.
- Moenie sproeinewel inasem nie.
 - Dra beskermende oorklere – rubberhandskoene en gesigskerm wanneer hanteer word.
 - Voorkom die oorwaai van spuitnewel na ander gewasse nie onder behandeling nie, weiding, riviere, damme of ander gebiede.
 - Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.
 - Was toerusting deeglik na gebruik en voordat dit vir enige ander toediening gebruik word. Raak ontslae van waswater op so 'n manier dat dit nie gewasse, weiding, riviere of damme sal besoedel nie.
 - Vernietig leë houers en moenie hergebruik vir enige ander doel nie.

RELEVANTE STOWWE

Gevaarlike bestanddele Volgens UN GHS kriteria	CAS nommer	Konsentrasie (W/W)
ametroctadine (ISO); 5-ethyl-6-octyl[1,2,4]triazolo[1,5- α]pyrimidin-7-amine	865318-97-4	26,9 %
dimethomorph (ISO); 4-(3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)acryloyl)morpholine	110488-70-5	20,3 %
Benzenesulfonic acid, hydroxy-, polymer with formaldehyde, phenol and urea, sodium salt	102980-04-1	< 5 %
2-Methyl-2H-isothiazol-3-one	2682-20-4	< 0,01 %
Propane-1,2-diol	57-55-6	< 20 %

NOODHULPBEHANDELING

Verwyder gekontamineerde klere.

OP KONTAK MET OË:	Was aangetaste oë vir ten minste 15 minute onder lopende water met ooglede oopgehou.
BY INNAME:	Spoel die mond onmiddellik uit en drink dan 200-300 ml water, soek mediese hulp.
OP VEL KONTAK:	Was deeglik met seep en water.
INDIEN INGESAEM:	Hou pasiënt kalm, verwyder na vars lug, soek mediese hulp.

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

Behandeling: Behandel volgens simptome (dekontaminasie, lewensbelangrike funksies), geen bekende spesifieke teenmiddel nie.

WAARSKUWING TEEN WEERSTAND

Orvego® is 'n FRAC Groepkodes 45 & 40 swamdoder. Enige populasie van 'n spesifieke swam mag individue insluit, wat 'n natuurlike weerstand teen Orvego®, of enige ander Groepkodes 45 & 40 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 Orvego® of enige ander Groepkodes 45 & 40 swamdoders, beheer word nie.

Om weerstand teen swamdoders te vertraag:

- Vermyn die eksklusiewe, herhaaldelike gebruik van swamdoders in dieselfde Swamdodergroepkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende Swamdodergroepkodes.
- Sien toepaslike individuele produktikette wanneer daar afgewissel word, of tenkmengsels gebruik word, met onverwante produkte in Swamdodergroepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies), in swamdoderprogramme.

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

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS VOORGESKRYF

Algemene inligting:

Orvego® is 'n mengsel van ametocradin (Initium®) en dimethomorph. Die metode van werking van **Initium®** is om die vorming van soöspore- en soösporangiainfeksie van die gasheerplante te voorkom. Dimethomorph belemmer die proses van selwandvorming van die swamme. Hierdie unieke manier van werking beteken dat geen kruisweerstand waargeneem is of verwag word met fenielamied-weerstandbiedende rasse nie. Die moontlikheid van herinfestasie word verminder deurdat dimethomorph die aktiwiteit van spoorvorming teenwerk. 'n Mate van genesende werking is opgemerk, maar in die praktyk word **Orvego®** aanbeveel as 'n voorkomende behandeling. Die samewerking van **Initium®** en dimethomorph besit uitstekende voorkomende aktiwiteit, maar ook genesend teen spoorvormingsaktiwiteite.

Verenigbaarheid:

Orvego® is met die meeste produkte, wat algemeen in druive en aartappels gebruik word, gemeng en getoets met geen negatiewe gevolge nie. Formulasies van ander produkte mag verander en die waterkwaliteit mag verskil van plaas tot plaas. Derhalwe word dit aanbeveel om nogtans 'n fisiese verenigbaarheidstoets uit te voer voordat 'n tenkmengsel gebruik word. Wanneer die produk met ander produkte gemeng word, moet alle **WAARSKUWINGS, VOORSORGMATREËLS** en **GEBRUIKSAANWYSINGS** op daardie etiket in ag geneem word. **Orvego®** is verenigbaar met with **Vivando®** (L8352) en **Collis®** (L7489) op wingerd en **Bellis®** (L7817), **Fastac® SC** (L4992) en **Hunter® 24** (L8307) op aartappels.

Algemene voorskrifte:

Druive

Orvego® moet vroeg in die seisoen gespuit word in 'n voorkomende-spuitprogram, wanneer beskerming gedurende die blom – en vrugvormingstadiums krities is.

Aartappels

Dien **Orvego®** elke 7 – 10 dae, as 'n voorkomende behandeling, toe. Dit word aanbeveel dat **Orvego®** bespuitings vroeg in die seisoen toegedien word, met 'n minimum van twee opeenvolgende bespuitings. Die eerste behandeling moet ongeveer met 50% plantopkoms toegedien word, met 'n opvolgbespuiting 7 – 10 dae later. Aanvullende bespuitings in die program, asook die tyd van toediening word bepaal deur siektedruk, weerstoestand en groeitempo van die gewas. In sandgronde, waar die gewas meer gereëld besproei word, moet die tydperk tussen bespuitings verminder word na sewe dae. Vatbare variëteite vir laatroes (soos Up-To-Date en ander soortgelykes) moet nie langer as sewe dae uitmekaar behandel word nie (selfs onder droë toestande) en wanneer daar 'n hoë siektedruk is.

Mengvoorskrifte:

Maak die spuittenk driekwart vol met skoon water. Meet die voorgeskrewe hoeveelheid **Orvego®** af en meng dit eers met ten minste 10 l water voordat dit in die spuittenk bygevoeg word. Indien enige ander produk met die **Orvego®** gemeng word, moet die benodigde volume van hierdie produk op soortgelyke wyse eers vooraf gemeng word. Vul die spuittenk tot by die verlangde vlak terwyl daar voortdurend geroer word, om deeglike vermenging te verseker, alvorens daar met toediening begin word. Handhaaf roering gedurende toediening. Aangemaakte spuitmengsels moenie in die spuittenk gelaat word vir 'n onbepaalde tyd, bv. oornag, nie.

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

GEWAS	SIEKTE	DOSIS	GEBRUIKSAANBEVELINGS
AARTAPPELS	Laatroes (<i>Phytophthora infestans</i>)	800 ml/ha	<p>Grondtoediening: Spuitbalk en spuitneuse: Dien Orvego[®] as deel van 'n voorkomende spuitprogram toe, met 7 – 10 dae intervalle. Wissel in die program met onverwante swamdoders af. Dien in 500 – 800 ℓ water/ha toe en verseker goeie bedekking van die hele plant asook deeglike penetrasie van die blaredak. Dit sal deeglike bedekking van die onderste blare verseker, wat gewoonlik die bron van infeksie huiswes.</p> <p>Dien Orvego[®] as 'n voorkomende behandeling toe, voor die aanvang van infeksieperiodes.</p> <p>Wanneer die aktiewe groeiperiode van die gewas saamval met gunstige toestande vir siekteontwikkeling, word aanbeveel om die tydperk tussen toedienings na sewe dae te verkort.</p> <p>Droëland: 7 – 10 dae program kan gevolg word. Besproeiing: Handhaaf 'n sewe dae program. Dien 'n maksimum van vier Orvego[®] toedienings per seisoen toe.</p> <p>Verwys ook na Algemene inligting en Algemene voorskrifte.</p> <p>Orvego[®] is nie teen vroeë roes (<i>Alternaria solani</i>) geregistreer nie. Indien vroeë roes voorkom, moet Bellis[®] of 'n ander swamdoder wat daarvoor geregistreer is, gebruik word.</p>
TAFEL en WYNDRUIWE	Donsige skimmel (<i>Plasmopara viticola</i>)	100 ml/100 ℓ water	<p>Gebruik in 'n voorkomende spuitprogram. Dien as 'n hoë volume bespuiting toe en verseker goeie bedekking. Dien toe teen 500 – 1500 ℓ spuitmengsel/ha afhange van die groeistadium van die gewas. Begin toediening by 10 cm lootlengte en herhaal elke 10 – 14 dae.</p> <p>Dien 'n maksimum van drie Orvego[®] toedienings per seisoen toe.</p> <p>Orvego[®] mag in 'n spuitprogram met ander onverwante voorkomende produkte gebruik word.</p>

Vivando[®], **Collis**[®], **Bellis**[®], **Fastac**[®] **SC**, **Initium**[®] en **Hunter**[®] **24** is Geregistreerde Handelsmerke van BASF.

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We create chemistry

Orvego®

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Act No. 36 of 1947

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KEEP OUT OF REACH OF CHILDREN AND ANIMALS

GROUP	40	45	FUNGICIDES
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A suspension concentrate contact fungicide with preventive and local systemic properties for the control of downy mildew on table and wine grapes as well as late blight on potatoes.

'n Suspensiekonsentraat kontakswamdoder met voorkomende- en plaaslik sistemiese werking vir die beheer van donsige skimmel op tafel- en wyndruiwe, sowel as laatroes op aartappels.



WARNING

Harmful if swallowed.
Very toxic to aquatic life with long lasting effects.
Do not eat, drink or smoke when using this product.
Wash contaminated body parts thoroughly after handling.

Active ingredients: Ametoctradin (pyrimidylamine)... 300 g/l
Aktiewe bestanddele: Dimethomorph (cinnamic acid amides)... 225 g/l

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EMERGENCY NUMBER / NOODNOMMER: +27 82 446 8946

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