



LEGEND™ 250 SC

Reg. No. / Nr. L6840 Act / Wet No. / Nr. 36 of / van 1947
Reg. No. / Nr. N-AR 1042 Act / Wet No. / Nr. 36 of / van 1947 (Namibia / Namibië)

READ THE LABEL BEFORE USE AND READ ATTACHED PACKAGED LEAFLET BEFORE USE AND KEEP OUT OF REACH OF CHILDREN AND ANIMALS	LEES DIE ETIKET VOOR GEBRUIK EN LEES AANGEHEGDE VOUBILJET VOOR GEBRUIK EN HOU BUIITE BEREIK VAN KINDERS EN DIERE
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FUNGICIDE GROUP CODE	13	SWAMDODER GROEPKODE
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A suspension concentrate surface mobile contact fungicide for the control of powdery mildew (<i>Oidium tuckeri</i>) in table and wine grapes, (<i>Oidium erysiphoides</i>) in cucurbit crops and (<i>Oidium mangiferae</i>) on mangoes.	'n Suspensie konsentraat oppervlakkbewegende kontak swamdoder vir die beheer van poeieragtige meeldou (<i>Oidium tuckeri</i>) op tafel- en wyndruiwe, (<i>Oidium erysiphoides</i>) op pampoengewasse en (<i>Oidium mangiferae</i>) op mango's.
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Hazard Statements:

May cause an allergic skin reaction.
Very toxic to aquatic life with long lasting effects.

**Gevaarverklarings:**

Mag allergiese velreaksie veroorsaak.
Baie giftig vir waterlewende organismes met langdurige gevolge.

Precautionary Statements:

Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.
Avoid breathing dust, fumes, gas, mist, vapours and spray.

**WARNING/
WAARSKUWING****Voorsorgverklarings:**

Dra beskermende handskoene, beskermende klere, oogbeskerming, gesigbeskerming en gehoorbeskerming.
Vermy inaseming van poeier, walms, gas, stuifsel, dampe en spuitstof.

Active Ingredient / Aktiewe Bestanddeel**Quinoxifen (quinoline)****250 g/L****Kwinoksifen (kwinolien)**

Net volume

Netto volume

REGISTRATION HOLDER / REGISTRASIEHOUER
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LEGEND is the registered trade mark / is die geregistreerde handelsmerk van
Nissan Chemical Corporation, Tokyo, Japan

Batch No.

Lot Nr.

Date of Manufacture

Datum van Vervaardiging

UN No. / VN No. 3082

Emergency Numbers / Noodnommers:

Griffon Poison Information Centre: +27(0) 82 446 8946

Poisons Information Centre: +27(0) 86 155 5777

WARNINGS:

GHS Hazard Statements:

May cause an allergic skin reaction.

Very toxic to aquatic life with long lasting effects.

Harmful if swallowed.

Store in a cool (5 – 25 °C) and dry place (preferably not directly on a cement floor).

Store away from food, feed, seed and other agricultural chemicals.

Keep away from children, uninformed persons and animals.

WITHHOLDING PERIODS:

Cucurbits	3 days
Table grapes*	21 days
Strawberries	3 days
Wine grapes	21 days

- **TABLE GRAPES:** APPLICATIONS AFTER LARGE PEA SIZE STAGE MAY RESULT IN VISIBLE SPRAY RESIDUES ON THE BERRIES. (SEE DIRECTIONS FOR USE).
- **MANGOES** – NOT TO BE APPLIED AFTER FLOWERING.

NOTE: Withholding periods above are based on local requirements for residue levels and may differ from other countries to which treated products may be exported.

Re-entry interval: Do not enter treated area until spray deposit has dried unless wearing protective clothing.

DISCLAIMER:

Although this remedy has been extensively 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 or harm to man or animal or for lack of performance of the remedy concerned due to failure of 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:

GHS Precautions

Prevention

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response

Specific treatment (see first aid treatment).

Take off contaminated clothing and wash it before reuse.

Collect spillage.

Disposal

Dispose of contents/container in accordance with national regulations.

In case of direct contact with skin, wash with soap and water.

In case of direct eye contact, rinse for several minutes with clean water.

Prevent contamination of food, feed, drinking water and eating utensils.

Avoid drift of spray mist onto other crops, grazing, rivers, dams and other areas not under treatment.

Clean equipment before and after use. Dispose of wash water where it will not contaminate crops, pastures, rivers, dams or other water sources.

Rinse empty container three times with a volume of water equal to a minimum of 10 % of that of the container.

Add rinsings to the contents of the spray tank before destroying the container in the prescribed manner.

RELEVANT SUBSTANCES:

Hazardous Component	CAS Number	Weight - %	GHS Classification
Quinoxifen	124495-18-7	22.58 %w/w	Skin Sensitization, Category 1 Acute Toxicity Oral, Category 4 Aquatic Toxicity – Chronic, Category 1

NOTE: The other ingredients not included above, do not cause or contribute towards the correct GHS classification of **LEGEND™ 250 SC** and is therefore, in terms of the South African Regulation for Hazardous Chemical Agents - 2021; Regulation 14(b), not listed.

FIRST AID:

- Eye Contact** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.
- Skin Contact** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. Wash clothing before reuse. Shoes and other leather items which cannot be decontaminated should be disposed of properly. Suitable emergency safety shower facility should be available in work area.
- Inhalation** Move person to fresh air. If person is not breathing, call poison control centre or doctor, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control centre or doctor for further treatment advice. Have the product container or label with you when calling a poison control centre or doctor, or going for treatment.
- Ingestion** Wash out mouth with water. Do not give anything by mouth if person is unconscious. Seek medical advice immediately.

Medical Advice

Treat based on judgment by physician in response to symptoms of patient. No specific antidotes are known.

Most important symptoms/effects, acute and delayed

No symptoms have been identified in humans to date.

RESISTANCE PREVENTION AND MANAGEMENT

LEGEND™ 250 SC is a contact fungicide from a new chemical group (quinoline) and is not related to any fungicides presently registered for the control of powdery mildew (*Oidium tuckeri*) on grapes and is classified as low risk for resistance. If **LEGEND™ 250 SC** is used repeatedly in exclusive programmes, the possibility of development and build-up of resistant strains of fungi and consequently loss of control, can not be discounted.

To delay the build-up of possible resistant strains, **LEGEND™ 250 SC** should be applied in resistance management programmes in which **LEGEND™ 250 SC** should be alternated with fungicides from other chemical groups such as DMI's (FRAC code 3), Amines (FRAC code 5), strobilurines (FRAC code 11), dinocap (FRAC code 29) or sulphur (FRAC code M3) for control of powdery mildew. **LEGEND™ 250 SC** should be applied in blocks of at least two but preferably three or four consecutive applications. Do not apply **LEGEND™ 250 SC** more than four (4) times per season.

MODE OF ACTION:

LEGEND™ 250 SC is a highly efficient preventive surface-mobile contact fungicide. After application, the active ingredient binds mainly to the superficial waxy layers of the plant surface and is rainfast within one hour. Re-distribution takes place through slow release of vapour and its subsequent uptake by adjacent plant tissue (described as surface-mobile). Quinoxifen prevents fungal infection by suppression of spore germination as well as the development of the germ tube and appressoria in the early development stages of germinating fungal spores or mycelia. **LEGEND™ 250 SC** prevents infection and has no corrective action on established infections.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED. Read the entire label before application.

TABLE GRAPES:

LEGEND™ 250 SC is a suspension concentrate formulation. Application to table grapes after pea berry size may result in slight visible spray residues and should preferably not be sprayed after commencement of ripening or colouring.

Integrated pest management: If **LEGEND™ 250 SC** is applied according to label recommendations, it will not pose any danger to the environment. **LEGEND™ 250 SC** has also no effect on *Ampelomyces quisqualis*, (a parasitic fungus for the biological control of powdery mildew on grapes) and can therefore be safely recommended in a IPW (Integrated Production of Wine) and IPF (Integrated Production of Fruit) programme.

COMPATIBILITY:

LEGEND™ 250 SC showed physical compatibility with a variety of fungicides and insecticides tested. Tank mixtures with fosetyl-AI and related products may be problematic when **LEGEND™ 250 SC** is added after these compounds. However, compatibility tests have shown that no problems occurred when **LEGEND™ 250 SC** and fosetyl-AI were mixed in the reverse order, with proper agitation.

No phytotoxicity of **LEGEND™ 250 SC** on grapes, mangoes and cucurbits has been reported yet. Crop safety with **LEGEND™ 250 SC** in tank mixtures with various products has been evaluated locally on these crops. Although **LEGEND™ 250 SC** showed physical compatibility and plant tolerance on table and wine grapes in tank mixtures with other products, crop safety of tank mixtures with other products can not be guaranteed. It is not possible to test the crop safety of tank mixtures with all products. **Philagro South Africa (Pty) Ltd** can therefore not be held responsible for damage to crops, resulting from tank mixtures with products or formulations not tested.

Tests have indicated that tank mixtures with the following products may cause blemishes on berries of sensitive table grape cultivars (e.g. Sunred Seedless): Emulsifiable Concentrate formulations of dimethoate and dinocap. Products mentioned above should not be applied in tank mixtures with **LEGEND™ 250 SC** on table grapes after blossom. Do not apply **LEGEND™ 250 SC** in tank mixtures with products for mealy bug control after the blossom stage of table grapes. Do not use **LEGEND™ 250 SC** in spray mixtures with (EW) oil-in-water formulations on table grapes in the post-blossom stage.

APPLICATION INTERVALS:

LEGEND™ 250 SC does not have a curative action against existing infections and as such should be applied only in a preventive programme of at least 2 but preferably 3 - 4 consecutive sprays at 14 day intervals on table grapes and 14 - 21 day intervals on wine grapes. For other crops as indicated under "Application rate". (Maximum of 4 sprays per season).

SPRAY WATER:

Do not apply **LEGEND™ 250 SC** in muddy water. Although **LEGEND™ 250 SC** is stable in spray mixtures at pH 4.5 – 9.0, an optimum pH of 4.5 – 7.0 is recommended. Water with pH values >7, should be treated with a registered buffer product to be in the optimum range of pH 4.5 to 7.0. No additional wetting agents are recommended.

MIXING INSTRUCTIONS:

Half fill the spray tank with clean water. Add the recommended amount of **LEGEND™ 250 SC** to the spray water in the tank while filling is continued. After the spray tank is filled and during the spraying, the mixture should be constantly agitated until the spray tank is empty. If spraying is interrupted, the spray mixture in the tank should be agitated properly before spraying is commenced.

MIXING ORDER:

Except fosetyl-AI and related products (See "Compatibility" above), pre-mixed slurries of wettable powder (WP) and water dispersible granule (WG) formulations should first be added to the spray water in the tank while filling the tank or constantly agitating the content. Follow with **LEGEND™ 250 SC** and other suspension concentrate (SC) formulations. Emulsifiable concentrate (EC) and soluble concentrate (SL) formulations should be mixed into the spray mixture after wettable powder or suspension concentrate formulations have been suspended in the spray water when used, add leaf fertilizers last. If a buffer compound is required, it should be added to the spray water before any pesticide is added. Never mix products in undiluted form. Refer "Compatibility" above.

APPLICATION VOLUME:

VINEYARDS:

LEGEND™ 250 SC can be applied as a high volume (till point of run-off) or a low volume application (not more than 4X concentrate and less than 250 l spray mixture per ha) on grapes. To ensure even coverage of leaves and, especially the bunches, the volumetric average droplet diameter should be adjusted according to the type of application concerned. See table for recommended VAD below.

Volumetric Average Droplet diameter (VAD) for spraying of vines.

High volume	150 – 250 micron
Low volume (2 – 4x concentration)	100 – 175 micron

In both cases, the amount of **LEGEND™ 250 SC** per ha, must be calculated according to the requirements for high volume application. Use the following guidelines for HVR on vines.

Growth Stage	High volume spray mixture in litre per ha.	
	Wine Grapes	Table Grapes
Shoot length 2,5 cm to 25 cm	250 – 500	500 - 750
25 cm shoot length till just prior to flowering	500 – 750	750 – 1000
Flowering to pea berry stage	750 – 1000	1000 – 1200
Pea berry stage to harvest	1000 - 1200	1200 - 1500

PROGRAMME SCHEDULING:

Due to resistance management, a maximum of four (4) applications of **LEGEND™ 250 SC** are recommended per season.

LEGEND™ 250 SC is the most effective when applied in a preventive programme of at least 2, but preferably 3 – 4, consecutive applications with 14 day intervals. In certain areas, blocks or cultivars where low infection pressure is known for wine grapes it may be considered to apply **LEGEND™ 250 SC** (in consecutive applications) at 21 day intervals on wine grapes only. See "Application rates". **LEGEND™ 250 SC** is particularly effective in protecting the berries and bunches against powdery mildew infection. Provided there is no established infection at the time of the commencement of **LEGEND™ 250 SC** applications, it should be of best value if applied during the period of bunch development (post flowering to ripening). (**LEGEND™ 250 SC** has no curative action against established powdery mildew infections).

Notwithstanding above mentioned property and period, the block of consecutive applications can be included at any stage of the total programme from 5 - 10 cm shoot length to when berries are fully developed. It is good practise to start the powdery mildew programme with one or two applications of a product with curative action e.g. sulphur or dinocap. Where deemed necessary, the total of four (4) recommended applications with **LEGEND™ 250 SC** can be interrupted with a non-related powdery mildewicide, provided that at least two (2) consecutive applications are applied in a block. Over and above the applications of **LEGEND™ 250 SC**, the rest of the total powdery mildew programme should be complemented with registered, non-related products.

APPLICATION RATES:

CROP AND DISEASE	APPLICATION RATE	REMARKS
CUCURBITS Powdery Mildew (<i>Oidium erysipoides</i>)	30 ml / 100 l water	Start programme applications at first signs of infection. LEGEND™ 250 SC must be used in a preventative programme and will not control infections already present effectively. Apply LEGEND™ 250 SC in 2 - 4 consecutive applications with 7 - 14 day intervals. NOTE: Not to be used on cucumbers that are grown in hothouses, tunnels or under shade cloth. As a resistance strategy LEGEND™ 250 SC must be applied in a programme with other non-related fungicides.
MANGOES Powdery Mildew (<i>Oidium mangiferae</i>)	30 ml / 100 l water	Apply LEGEND™ 250 SC in 2 – 4 consecutive applications during blossoming with 14 day intervals. LEGEND™ 250 SC must be applied in a preventative programme. Infection already present at time of application will not be controlled effectively. NOTE: As a resistance strategy LEGEND™ 250 SC must be applied in a programme with other non-related fungicides. Do not exceed indicated dose rate as the possibility of plant damage at higher rates has not been established.
STRAWBERRIES (<i>Sphaerthecha macularis</i>)	30 ml / 100 l water	Start programme applications at first signs of infection. LEGEND™ 250 SC must be used in a preventative programme and will not control infections already present effectively. Apply LEGEND™ 250 SC in 2 – 3 consecutive applications with 7 – 14 day intervals. As a resistance strategy LEGEND™ 250 SC must be applied in a programme with other non-related fungicides.
TABLE GRAPES Powdery Mildew (<i>Oidium tuckeri</i>)	25 ml / 100 l water (125 – 375 ml / ha) (See "Application Volumes" above)	Begin with a programme application against powdery mildew when the longest shoots are approximately 5 cm, but not later than 10 cm, long. Apply LEGEND™ 250 SC in 2 – 4 consecutive applications at 14 day intervals. Do not apply in more than 4 applications per season in the same block. For resistance management, LEGEND™ 250 SC should be alternated with nonrelated fungicides for powdery mildew control. See "Programme Scheduling" above. NB: Applications, after pea berry size, of LEGEND™ 250 SC in tank mixtures with products not tested, may result in spray deposits or spray marks on berries of sensitive cultivars e.g. Sunred Seedless.

<p>WINE GRAPES Powdery Mildew <i>(Oidium tuckeri)</i></p>	<p>14 dae intervalle: 25 mℓ / 100 ℓ water (65 mℓ - 300 mℓ / ha)</p> <p>(See “Application Volumes” above)</p> <p>21 dae intervalle: 35 mℓ / 100 ℓ water (88 mℓ - 420 mℓ / ha)</p> <p>(See “Application Volumes” above)</p>	<p>Begin with a programme application against powdery mildew when the longest shoots are approximately 5 cm, (but not later than 10 cm long).</p> <p>Apply LEGEND™ 250 SC in 2 – 4 consecutive applications with 14 day intervals. Do not apply in more than 4 applications per season in the same block.</p> <p>For resistance management LEGEND™ 250 SC should be alternated with nonrelated fungicides for powdery mildew control.</p> <p>This rate and spray interval should only be considered for blocks, cultivars or areas where low disease pressure is known.</p> <p>Begin with a programme application against powdery mildew when the longest shoots are approximately 5 cm (but not later than 10 cm length stage).</p> <p>Apply LEGEND™ 250 SC in 2 – 3 consecutive applications at 21 day intervals. Do not apply in more than 3 applications per season in the same block.</p> <p>For resistance management, LEGEND™ 250 SC should be alternated with nonrelated fungicides for powdery mildew control.</p> <p>See “Programme scheduling” above.</p>
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WAARSKUWINGS:

GHS Gevaarverklarings:

Mag allergiese velreaksie veroorsaak.

Baie giftig vir waterlewende organismes met langdurige gevolge.

Skadelik wanneer deur die mond ingeneem word.

Bewaar in 'n koel (5 – 25 °C) en droë plek (verkieslik nie direk op 'n sement vloer nie).

Stoor weg van voedsel, voer, saad en ander landbouchemikalië.

Hou buite bereik van kinders, oningeligte persone en diere.

ONTHOUDINGSPERIODE:

Aarbeie	3 dae
Pampoengewasse	3 dae
Tafeldruiwe*	21 dae
Wyndruiwe	21 dae

- **TAFELDRUIWE:** TOEDIENINGS NA GROOT ERTJIE KORRELSTADIUM MAG SIGBARE SPUITRESTE OP KORRELS TOT GEVOLG HÊ. (SIEN GEBRUIKSAANWYSINGS).
- **MANGO'S** – MOET NIE NA BLOMPERIODE TOEDIEN NIE.

LET WEL: Bogenoemde onthoudingsperiodes is gebaseer op plaaslike vereistes vir residuvlakke en mag verskil van ander lande waarheen behandelde produkte moontlik uitgevoer word.

Herbetreding: Moet nie 'n behandelde gebied betree alvorens die spuitneerslag droog is nie, tensy beskermende oorklere gedra word.

VRYWARING:

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

VOORSORGMAATREËLS:

GHS Voorsorgmaatreëls:

Algemeen

Vermy inaseming van poeier, walms, gas, stuifsel, dampe en spuitstof.

Was hande deeglik na hantering.

Moet nie eet, drink of rook wanneer hierdie produk gebruik word nie.

Vermy vrystelling in die omgewing.

Dra beskermende handskoene, beskermende klere, oogbeskerming, gesigbeskerming en gehoorbeskerming.

Reaksie

Spesifieke behandeling (verwys na noodhulp behandeling).

Trek alle besoedelde klere uit en was dit voor hergebruik.

Maak stortsels bymekaar.

Ontslaeraak (wegdoen)

Raak ontslae van inhoud/houer in ooreenstemming met nasionale regulasies.

In geval van direkte kontak met vel, was met seep en water.

In geval van direkte kontak met oë, spoel deeglik met skoon water.

Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

Voorkom wegdrywing van spuitnewel na ander gewasse, weidings, riviere, damme en gebiede wat nie onder behandeling is nie.

Maak spuitapparaat voor en na gebruik skoon. Raak ontslae van uitspoelwater waar dit nie gewasse, weiding, riviere, damme of ander waterbronne kan besoedel nie.

Spoel leë houer drie maal uit met 'n volume water gelyk aan minstens 10 % van die houer. Voeg die spoelwater by die inhoud van die spuittenk, voordat van die houer op die voorgeskrewe metode ontslae geraak word.

RELEVANTE BESTANDELE:

Gevaarlike component	CAS Nommer	Massa %	GHS Klassifikasie
Kwinoksifen	124495-18-7	22.58 %w/w	Sensitiserings, Vel, Kategorie 1. Akute Giftigheid, Mondelings, Kategorie 4. Gevaarlik vir die Wateromgewing, Chronies, Kategorie 1.

LET WEL: Die ander bestanddele wat nie hierbo ingesluit is nie, veroorsaak of dra nie by tot die korrekte GHS-klassifikasie van **LEGEND™ 250 SC** nie en is dus in terme van die Suid-Afrikaanse Regulasie vir Gevaarlike Chemiese Middels - 2021; Regulasie 14(b), nie gelys nie.

NOODHULP:

- Oogkontak** Spoel oë stadig en versigtig uit met water vir 15 tot 20 minute, terwyl die ooglede uitmekaar gehou word. Indien tersaaklik - verwyder kontaklense na vyf minute se spoel, gaan dan voort met die spoel van die oë. Kontak 'n gifinligtingsentrum of 'n mediese praktisyn vir verdere advies.
- Velkontak** Verwyder besoedelde klere. Spoel die vel onmiddellik vir 15 tot 20 minute af met genoegsame water. Kontak 'n gifbeheersentrum of 'n mediese praktisyn vir mediese advies. Was klere voor hergebruik. Skoene en ander leeritems wat nie ontsmet kan word nie, moet ontslae van geraak word op 'n gepaste wyse. 'n Geskikte veiligheidsstort moet beskikbaar wees in die werksarea.
- Inaseming** Verwyder die persoon na 'n area met vars lug. Indien die persoon nie asemhaal nie, kontak 'n gifinligtingsentrum of 'n mediese praktisyn, gaan dan voort met die toediening van kunsmatige asemhaling, verskieslik mond-tot-mond asemhaling indien moontlik. Kontak 'n gifinligtingsentrum of 'n mediese praktisyn vir verdere advies. Hou die produkhouer of die etiket byderhand wanneer 'n gifbeheersentrum of dokter gekontak word or vir wanneer pasiënt vir behandeling gaan.
- Inname** Spoel mond uit met water. Moet nooit iets per mond aan 'n bewustelose persoon gee nie. Vekry mediese advies onmiddelik.

Mediese Advies

Behandel volgens oordeel van 'n geneesheer na gelang van die pasiënt se simptome. Geen spesifieke teenmiddel is bekend nie.

Belangrikste simptome/effekte, akute en vertraag

Geen simptome is tot dusvêr by mense geïdentifiseer nie.

WEERSTANDBESTUUR:

LEGEND™ 250 SC is 'n kontak swamdoder uit 'n nuwe chemiese groep (kwinolien) en nie verwant aan enige swamdoder wat tans vir die beheer van poeieragtige meeldou (*Oidium tuckeri*) op druiwe geregistreer is nie en word tans as lae risiko vir weerstand geklassifiseer. Wanneer **LEGEND™ 250 SC** egter herhaaldelik in eksklusiewe programme aangewend word, kan die moontlikheid vir die ontstaan van weerstandbiedende rasse van swamme, en die opbou van sulke populasies wat tot gevolglike verlies aan siektebeheer kan lei, nie uitgesluit word nie.

Om die opbou van moontlike weerstandbiedende rasse te vertraag, moet **LEGEND™ 250 SC** slegs in weerstandbestuurprogramme, in afwisseling met swamdoders uit ander chemiese groepe soos bv DMI's (FRAC kode 3), Amine (FRAC kode 5), strobiluriene (FRAC kode 11), dinokap (FRAC kode 29) of swael (FRAC kode M3), vir die beheer van poeieragtige meeldou aangewend word. **LEGEND™ 250 SC** moet in blokke van minstens twee, maar verkieslik drie tot vier, opeenvolgende bespuitings aangewend word. Moenie meer as 'n totaal van vier (4) bespuitings van **LEGEND™ 250 SC** per seisoen toedien nie.

WERKINGSWYSE:

LEGEND™ 250 SC is 'n hoogs effektiewe voorkomende, oppervlak-bewegende kontakwerkende swamdoder. Na toediening bind die aktiewe bestanddeel hoofsaaklik aan die oppervlakkige waslae van die plantoppervlak en is binne een uur na toediening reënvas. Herverspreiding vind plaas deur stadige damp-vrystelling en heropname deur aangrensende plantweefsel (word beskryf as oppervlak-bewegend). Kwinoksifen belemmer swaminfeksie deur onderdrukking van spoorontkieming, ontwikkeling van kiembuise en apresessoria, in die vroeë ontwikkelingsstadium van ontkiemende swamspore of miselium. **LEGEND™ 250 SC** voorkom swaminfeksies en het geen uitwissende werking op gevestigde besmettings nie.

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI. Lees die volledige etiket voor aanwending.

TAFELDRIUWE:

LEGEND™ 250 SC is 'n suspensie konsentraat formulasie. Bespuitings van tafeldruiwe na ertjekorrel stadium mag geringe sigbare spuitreste op korrels tot gevolg hê. Moet verkieslik nie na aanvang van rypwording (deurslaan) of verkleuring aanwend nie.

Geïntegreerde plaagbeheer: Indien **LEGEND™ 250 SC** volgens voorskrif aangewend word, hou dit geen bedreiging vir die omgewing in nie. **LEGEND™ 250 SC** het ook geen invloed op *Ampelomyces quisqualis*, ('n parasitiese swam vir die biologiese beheer van poeieragtige meeldou op druiwe) nie en kan dus met vrymoedigheid in geïntegreerde programme vir IPW (Geïntegreerde Produksie van Wyn) en IPV (Geïntegreerde Produksie van Vrugte) aanbeveel, en gebruik word.

VERENIGBAARHEID:

LEGEND™ 250 SC toon fisiese verenigbaarheid met 'n groot verskeidenheid swamdoders en insekdoders waarmee dit reeds getoets is. Tenkmengsels met fosetiel-Al en verwante produkte mag egter problematies wees wanneer **LEGEND™ 250 SC** na hierdie middels in die spuittenk gevoeg word. Toetse het egter getoon dat min probleme ondervind word wanneer **LEGEND™ 250 SC**, eerste in die spuittenk gemeng word en dan met fosetiel-Al verwante produkte gevolg word. Die mengsel moet voortdurend deeglik geroer word.

Geen fitotoksiteit van **LEGEND™ 250 SC** op duiwe, mango's en pampoengewasse is nog aangemeld nie. Die gewasveiligheid van **LEGEND™ 250 SC** in tenkmengsels met verskeie ander produkte is ook plaaslik op die gewasse getoets. Alhoewel **LEGEND™ 250 SC** in meeste gevalle fisies mengbaar met ander middels is en ook 'n hoë mate van plantverdraagsaamheid in tenkmengsels met ander middels op tafel- en wyndruie getoon het, kan die gewasveiligheid van tenkmengsels met ander middels nie gewaarborg word nie. Dit is onmoontlik om die gewasveiligheid van tenkmengsels met alle middels te toets. **Philagro Suid-Afrika (Edms) Bpk** kan dus geen aanspreeklikheid vir skade aan die gewas aanvaar, wat spruit uit tenkmengsels met ander produkte of formulasies, wat nie getoets is nie.

Toetse het egter getoon dat mengsels met die volgende produkte merke op korrels van sensitiewe tafeldruif kultivars (bv Sunred Seedless) tot gevolg mag hê: Emulsifiseerbare konsentraat formulasies van dimetooat en dinokap. In die geval van tafeldruie, moet bogenoemde produkte nie na die blomperiode, in tenkmengsels met **LEGEND™ 250 SC**, toegedien word nie. Moenie **LEGEND™ 250 SC** in tenkmengsels met produkte vir wiluisbeheer, in die nablom-periode by tafeldruie, toedien nie. Moenie **LEGEND™ 250 SC** in spuitmengsels met (EW) olie-in-water-formulasies, op tafeldruie in die na-blom periode gebruik nie.

TOEDIENINGSINTERVALLE:

LEGEND™ 250 SC het nie uitwissende werking teen bestaande besmettings nie en moet slegs in 'n voorkomende program van minstens 2, maar verkieslik 3 – 4, opeenvolgende bespuitings, met tussenposes van 14 dae vir tafeldruie en 14 – 21 dae vir wyndruie, aangewend word. Vir ander gewasse soos aangedui onder "Toedieningshoeveelhede". (Maksimum van 4 bespuitings per seisoen).

SPUITWATER:

Moenie **LEGEND™ 250 SC** in modderige spuitwater toedien nie. Alhoewel **LEGEND™ 250 SC** stabiel is in spuitmengsels met pH 4.5 – 9.0, word 'n pH van 4.5 – 7.0 as optimum beskou. Water met pH 7.0 of hoër kan vooraf met 'n geregistreerde buffermiddel behandel word om binne die voorgestelde grense van pH 4.5 – 7.0 te wees. Geen addisionele benattingsmiddels word aanbeveel nie.

MENGINSTRUKSIES:

Maak die spuittenk half vol met skoon water. Voeg die benodigde hoeveelheid **LEGEND™ 250 SC** by terwyl tenk verder gevul word. Hou die spuitmengsel tydens vulling en daarna in roering, totdat die spuittenk leeg gespuit is. Indien 'n bespuiting onderbreek word, moet die spuitmengsel weer deeglik in beroering gebring word voordat bespuiting hervat word.

MENGVOLGORDE:

Buiten fosetiel-Al en verwante produkte (Sien "verenigbaarheid" hierbo), voeg eers vooraf verroomde benatbare poeier (WP) of water dispergeerbare korrels (WG)-formulasies in die spuittenk terwyl die tenk gevul, of die spuitmengsel in die tenk gedurig geroer word. Volg daarna met **LEGEND™ 250 SC** en ander suspensiekonsentraat (SC) formulasies. Emulsifiseerbare konsentraat (EC) en water oplosbare konsentraat (SL)-formulasies moet na benatbare poeier of suspensiekonsentraat-formulasies, in die spuitmengsel gevoeg word. Waar van toepassing, moet blaarvoedings laaste bygevoeg word. Waar die byvoeging van 'n buffermiddel vereis word, moet die buffermiddel eers by die spuitwater gevoeg word, voordat enige plaagdoder bygevoeg word. Moet nooit spuitstowwe in onverdunde konsentrate vermeng nie. Sien "Verenigbaarheid" hierbo.

TOEDIENINGSVOLUMES:

WINGERD:

LEGEND™ 250 SC kan in beide, hoë volume (tot die punt van afloop) of lae volume (nie meer as 4x konsentraat, en in minder as 250 l spuitmengsel per ha nie) op duiwe toegedien word. Om egalige bedekking van blare en veral trosse te verseker, moet die volumetries gemiddelde druppelgrootte vir 'n betrokke tipe toediening aangepas word. Sien onderstaande tabel vir aanbevole VGD.

Volumetries Gemiddelde Druppelgrootte (VDG) vir bespuiting van wingerde.

Hoë volume	150 – 250 mikron
Lae Volume (2 - 4 x konsentraat)	100 – 175 mikron

In alle gevalle moet die hoeveelheid **LEGEND™ 250 SC** per ha benodig, volgens dienooreenkomstige behoefte vir hoë volume bespuiting (HVB), bereken word. Gebruik die volgende as riglyn vir die HVB by duiwe.

Groei stadium	Hoë Volume Spuitmengsel in l per ha	
	Wyndruie	Tafeldruie
Lootlengte 2,5 cm tot 25 cm	250 – 500	500 - 750
25 cm lootlengte tot net voor blom	500 – 750	750 – 1000

Blom tot ertjekorrel stadium	750 – 1000	1000 – 1200
Ertjekorrel stadium tot oestyd	1000 - 1200	1200 - 1500

PROGRAMSKEDULERING:

Vir rede van weerstandsbestuur, word 'n maksimum van vier (4) bespuitings per seisoen van **LEGEND™ 250 SC** aanbeveel.

LEGEND™ 250 SC is die doeltreffendste wanneer in 'n voorkomende program van minstens 2, maar verkieslik 3 – 4 opeenvolgende bespuitings met 14 dae tussenposes aangewend word. By wyndruiwe, waar dit bekend is dat lae infeksiedruk in sekere gebiede, blokke of kultivars voorkom, kan **LEGEND™ 250 SC** in opeenvolgende bespuitings met 21 dae intervalle oorweeg word. Sien "Toedieningshoeveelhede". **LEGEND™ 250 SC** is doeltreffend om veral ook korrels en trosse, teen poeieragtige meeldou besmettings te beskerm. Mits daar tydens die aanvang van die **LEGEND™ 250 SC** bespuitings, nie reeds gevestigde meeldou besmettings aanwesig is nie, kan **LEGEND™ 250 SC**, die voordeligste gedurende die periode van trosontwikkeling (na blom tot deurslaan), aangewend word. (**LEGEND™ 250 SC**, het nie uitwissende werking teen gevestigde poeieragtige meeldou besmettings nie).

Nieteenstaande bogenoemde eienskap en periode, kan die blok van opeenvolgende bespuitings, op enige stadium van die totale program, tussen 5 - 10 cm lootlengte en korreldeurslaan, ingepas word. Dit is goeie praktyk om die eerste een of twee bespuitings van die meeldou program, met 'n middel wat oor helende werking beskik, bv. swael of dinokap, te doen. Die totaal van vier (4) aanbevole bespuitings met **LEGEND™ 250 SC**, kan egter waar dit nodig ge-ag word, met 'n nie-verwante meeldou middel onderbreek word, mits daar minstens twee (2) opeenvolgende bespuitings van **LEGEND™ 250 SC** in 'n blok toegedien word. Bo en behalwe die bespuitings van **LEGEND™ 250 SC**, moet die res van die meeldou program met geregistreerde nie-verwante produkte aangevul word.

TOEDIENINGSHOEVEELHEDE:

GEWAS EN SIEKTE	APPLICATION RATE	REMARKS
AARBEIE (<i>Spharthea macularis</i>)	30 ml / 100 l water	Begin met 'n programbespuiting sodra eerste siektetekens waargeneem word. LEGEND™ 250 SC moet in 'n voorkomende program aangewend word. Besmettings wat reeds teenwoordig is sal nie doeltreffend beheer word nie. Dien LEGEND™ 250 SC 2 - 3 maal in agtereenvolgend toe met 7 - 14 dae tussenposes. As 'n weerstandstrategie moet LEGEND™ 250 SC in die program met nie-verwante swamdoders vir die beheer van poeieragtige meeldou afgewissel word.
MANGO's Poeieragtige meeldou (<i>Oidium mangiferae</i>)	30 ml / 100 l water	Dien LEGEND™ 250 SC 2 - 4 maal in opeenvolgende bespuitings gedurende blom toe met 14 dae tussenposes. LEGEND™ 250 SC moet in 'n voorkomende program toegedien word. Besmettings wat reeds teenwoordig is sal nie doeltreffend beheer word nie. NOTA: As weerstandstrategie moet LEGEND™ 250 SC in die program met nie-verwante swamdoders vir die beheer van poeieragtige meeldou afgewissel word. Moet nie die aanbevole dosis oorskry nie, aangesien die moontlikheid van plantskade teen hoër dosisse nie vasgestel is nie.
PAMPOENGWASSE Poeieragtige meeldou (<i>Oidium erysiphoides</i>)	30 ml / 100 l water	Begin met 'n programbespuiting sodra die eerste siektetekens waargeneem word. LEGEND™ 250 SC moet in 'n voorkomende program toegedien word. Besmettings wat reeds teenwoordig is sal nie doeltreffend beheer word nie. Dien LEGEND™ 250 SC 2 - 4 maal agtereenvolgend toe met 7 - 14 dae tussenposes. NOTA: Nie vir gebruik op komkommers wat in kweekhuise, tonnells of onder skadunet verbou word nie. As 'n weerstandstrategie moet LEGEND™ 250 SC in die program met nie-verwante swamdoders vir die beheer van poeieragtige meeldou afgewissel word.
TAFELDRUIWE Poeieragtige meeldou (<i>Oidium tuckeri</i>)	25 ml / 100 l water (125 – 375 ml / ha) (Sien "Toedieningsvolumes" hierbo)	Begin met 'n programbespuiting teen poeieragtige meeldou wanneer die langste lote ongeveer 5 cm lank is (maar nie later as 10 cm lootlengte nie). Dien LEGEND™ 250 SC in 2 – 4 opeenvolgende bespuitings, met 14 dae tussenposes toe. Moenie in meer as 4 bespuitings per seisoen in dieselfde blok aanwend nie.

		<p>As 'n weerstandstrategie moet LEGEND™ 250 SC in die program met nie-verwante swamdoders vir die beheer van poeieragtige meeldou afgewissel word.</p> <p>Sien “Programskedulering” hierbo. NB! Toedienings na die ertjekorrelstadium van LEGEND™ 250 SC in tenkmengsels met middels wat nie getoets is nie, mag spuitreste, of selfs spuitmerke op korrels van gevoelige kultivars soos bv. Sunred Seedless, tot gevolg hê.</p>
<p>WYNDRUIWE Poeieragtige meeldou <i>(Oidium tuckeri)</i></p>	<p>14 dae intervale: 25 ml / 100 l water (65 ml - 300 ml / ha)</p> <p>(Sien “Toedieningsvolumes” hierbo)</p> <p>21 dae intervale: 35 ml / 100 l water (88 ml - 420 ml / ha)</p> <p>(Sien “Toedieningsvolumes” hierbo)</p>	<p>Begin met 'n programbespuiting teen poeieragtige meeldou wanneer die langste lote ongeveer 5 cm lank is (maar nie later as 10 cm lootlengte nie).</p> <p>Dien LEGEND™ 250 SC in 2 - 4 opeenvolgende bespuitings, met 14 dae tussenposes toe. Moenie in meer as 4 bespuitings per seisoen in dieselfde blok aanwend nie.</p> <p>As 'n weerstandstrategie moet LEGEND™ 250 SC in die program met nie-verwante swamdoders vir die beheer van poeieragtige meeldou afgewissel word.</p> <p>Hierdie dosis en spuitintervalle moet slegs oorweeg word vir blokke, kultivars of gebiede waar lae siektedruk bekend is.</p> <p>Begin met 'n programbespuiting teen poeieragtige meeldou wanneer die langste lote ongeveer 5 cm lank is (maar nie later as 10 cm lootlengte nie).</p> <p>Dien LEGEND™ 250 SC in 2 – 3 opeenvolgende bespuitings, met 21 dae tussenposes toe. Moenie in meer as 3 bespuitings per seisoen in dieselfde blok aanwend nie.</p> <p>As 'n weerstandstrategie moet LEGEND™ 250 SC in die program met nie-verwante swamdoders vir die beheer van poeieragtige meeldou afgewissel word.</p> <p>Sien “Programskedulering” hierbo.</p>