

Sercadis®

Reg. No. L9800

Act No. 36 of 1947

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



GROUP

7

FUNGICIDE

A suspension concentrate fungicide with translaminar and systemic activity for the control of fungal diseases in crops as listed

'n Suspensiekonsentraatswamdoder met translaminêre en sistemiese aktiwiteit vir die beheer van swamsiektes op gewasse soos aangedui

Hazard statements:

May cause harm to breast-fed children.

Very toxic to aquatic life with long lasting effects.

Precautionary statements:

Do not breathe dust or mist.

Avoid contact during pregnancy and while nursing.

Active ingredients / Aktiewe bestanddele:

Fluxapyroxad (pyrazole-carboxamide).....300 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

EMERGENCY NUMBERS +27 82 446 8946 or +27 11 203 2420

In case of poisoning, call the following number: +27 861 555 777

WARNING



® = Registered trademark of BASF / Geregistreeerde handelsmerk van BASF

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ENGLISH

WARNINGS

Hazard Statements

- May cause harm to breast-fed children.
- Very toxic to aquatic life with long lasting effects.

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

Apples	56
Pears	56
Potatoes	120

- Handle with care.
- Harmful if swallowed or inhaled.
- Store away from food and feedstuffs, and in a cool place.
- Store under lock and key out of reach of children, uninformed people and animals.
- Re-entry: Do not enter treated area before spray deposit has dried unless wearing protective clothing.

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 breathe dust or mist.
- Avoid contact during pregnancy and while nursing.
- Do not eat, drink or smoke when using this product.
- Wash contaminated body parts thoroughly after handling.
- Collect spillage.
- IF exposed or concerned: Get medical attention.
- Dispose of contents and container to hazardous or special waste collection point.

- Avoid contact with skin and protect eyes.
- When handling the concentrated product, wear rubber gloves, boots and face shield.
- Wash contaminated clothing daily.
- Do not contaminate springs, dams, rivers, drinking water, eating utensils, food or feed.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator after use and dispose of wash water, where it will not contaminate crops, grazing, rivers or dams.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler (www.croplife.co.za). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
- Destroy empty container by perforation and flattening and dispose of it in a safe way and never re-use for any other purpose.

RELEVANT SUBSTANCES

Hazardous ingredients According to UN GHS criteria	CAS number	Concentration (W/W)
1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-; Fluxapyroxad	907204-31-3	26,53 %
Alkyl-naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	68425-94-5	< 5 %
Benzenesulfonic acid, hydroxy-, polymer with formaldehyde, phenol and urea, sodium salt	102980-04-1	< 5 %
1,2-Benzisothiazol-3(2H)-one	2634-33-5	< 0,01 %
2-Methyl-2H-isothiazol-3-one	2682-20-4	< 0,01 %
Propane-1,2-diol	57-55-6	< 10 %

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.

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

RESISTANCE WARNING

For resistance management, Sercadis® is a FRAC Group Code 7 fungicide. Fungicides in this group carries a medium to high risk for resistance development. Any fungal population may contain individuals naturally resistant to Sercadis® and other 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 Sercadis® or any other Group Code 7 fungicides.

To delay fungicide resistance:

- Avoid exclusive and 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 other Fungicide Group Codes, refer to applicable individual product labels.
- Restrict the number of applications per season as indicated by the manufacturer.
- Integrate other control methods (chemical, cultural, biological) into disease control programmes.

PRACTICAL RESISTANCE PREVENTION GUIDELINES FOR Sercadis® ARE INDICATED UNDER 'General information' AND UNDER 'DIRECTIONS FOR USE' IN THE TABLE BELOW. FOR ADDITIONAL INFORMATION ON RESISTANCE MANAGEMENT, CONTACT THE REGISTRATION HOLDER, BASF SA (Pty) Ltd, OR REFER TO THE FRAC WEBSITE FOR DETAILED GUIDELINES: ()

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

General information:

Fluxapyroxad is a fungicide, active at low dose rates across a broad spectrum of plant diseases. It belongs to the carboxamide class of chemicals and the mode of action is through inhibition of succinate dehydrogenase, in complex II of the mitochondrial respiratory chain, resulting in the inhibition of spore germination, germ tube development and mycelial growth within the target fungus species. As such, fluxapyroxad falls within the SDHI group of fungicides and FRAC Group Code 7. Fluxapyroxad rapidly penetrates plant tissue after application and exhibits translaminar and acropetal systemic movement to provide long lasting residual control.

Compatibility:

Apples and Pears: Selectivity of the mixture of Sercadis® with Delan® (Reg. No. L5440) has been demonstrated across a range of apple and pear varieties. In addition, the mixture has been demonstrated as compatible with the following products:

Hunter® 24 SC S (Reg. No. L8307)

Regalis® Plus (Reg. No. L10535) – apples only

Potatoes: No mixtures are recommended for in-furrow application.

Mixing instructions:

Half fill the tank with clean water. Shake the container of **Delan®** well immediately before use. Measure the required volume of **Delan®** and pre-mix this with at least 10 ℓ water before adding to the spray tank. Engage agitation in the tank. Measure the required quantity of **Sercadis®** and pre-mix with at least 10 ℓ water and add to the spray tank. If any other products are to be added to the mixture, the required volume of specific products must be pre-mixed in similar fashion. Add additional products to the tank in the following sequence: Suspension concentrate, water soluble concentrate, emulsifiable concentrate. 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.

General:

- Apply **Sercadis®** according to Good Agricultural Practice (GAP), Integrated Pest Management (IPM) and Anti-resistant Management programmes.
- Apply **Sercadis®** on a preventive basis.
- Use other registered fungicides with a mode of action that differs from FRAC Group Code 7 fungicides for the remainder of the spray programme.
- **Do not apply Sercadis®, or any other fungicide related to FRAC Group 7, as the last fungicide application of the control programme.**

APPLICATION

APPLES AND PEARS

High volume applications:

The water volume to be applied per hectare should be calculated according to the Tree Row Volume (TRV) formula described by Unrath (Deciduous Fruit Grower Nov. 1986):

$$\ell/\text{ha} = \frac{\text{Tree height} \times \text{Tree depth} \times 937}{\text{Row Width}}$$

The above formula indicates the required volume of water for High Volume (HV) applications when the trees are in full leaf. Based on the above formula, the following water volumes are recommended for the various growth stages:

Growth stage	% HV water requirement / ha
Green-tip – 30 % of full blossom	60
Full blossom – middle November	80
From beginning December	100

Low volume applications:

When low volume sprays are applied, the dosage rate of **Sercadis**® per 100 ℓ water must be increased in order to ensure the same amount of fungicide applied per ha, as in the case of a high volume application. Use above formula and growth stage table to calculate the required amount of **Sercadis**® per ha.

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.

POTATOES

- Place the tubers in the planting furrow and spray **Sercadis**® over the tubers and surrounding soil prior to ridging or being covered with soil.
- Use a T-Jet Flat Fan nozzle* to ensure good coverage of the band application in the planting furrow equivalent to 200 ℓ water per ha.
- Hand-held equipment application is not recommended.

*Please refer to the manufacturer's manual for nozzle specifications, i.e., bandwidth.

CROP	DISEASE	DOSE RATE	DIRECTIONS FOR APPLICATIONS
POTATOES	Black scurf (<i>Rhizoctonia solani</i>)	16 mL / 100 m row	Apply Sercadis® as a single in-furrow treatment at planting only. Apply Sercadis ® in 200 ℓ water per ha to ensure good coverage of the tubers. Refer to POTATOES under APPLICATION above.

CROP	DISEASE	DOSE RATE	DIRECTIONS FOR APPLICATIONS
APPLES	Scab (<i>Venturia inaequalis</i>)	12,5 mL / 100ℓ water + Delan ® 30 mL / 100 ℓ water	Apply Sercadis® as part of a complete spray programme. Schedule the inclusion of Sercadis® in the spray programme, only as preventive applications, during the following growth stages: Commence with applications, at pink ball to early fruiting stage and apply at five to ten-day intervals, up to 75 % petal fall. From 75 % petal fall, spray intervals can be extended to a maximum of 10 days. If weather conditions during this time favour the development of the disease, then revert back to seven-day intervals. Sercadis ® has flexible positioning in the spray programme; it is however advisable to position Sercadis ® applications between 25 % flowering and early fruit set to achieve optimum control. FRAC Guidelines always support sound resistance management practices. The respective Guidelines have been incorporated into the directions of this label. Fundamental to these guidelines is the following: <ul style="list-style-type: none">• Always apply Sercadis® in combination with Delan® (FRAC Group Code M9), the recommended mixing partner, at the rates and intervals as specified.• Do not apply more than two consecutive applications of Sercadis® or any other FRAC Group 7 fungicide per season.• Do not exceed three Sercadis® applications per season.• Always apply preventively. Refer to APPLES AND PEARS under APPLICATION above.
	Powdery mildew (<i>Podosphaera leucotricha</i>)		
PEARS	Scab (<i>Venturia pirina</i>)		

CONDITIONS OF SALE AND WARRANTY

The **Directions for Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of this product in a manner inconsistent with its labeling, all of which are beyond the control of BASF South Africa (Pty) Ltd. ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use**, subject to the inherent risks, referred to above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAIRMENT OF THE PURCHASE PRICE OF THE PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of the Sale and Warranty**, which may be varied only by agreement in writing signed by a duly authorized representative of BASF

Sercadis®, **Delan**® (L5440), **Hunter**® 24 SC (L8307), and **Regalis**® Plus (L10535) are registered trademarks of BASF

WAARSKUWINGS

Gevaarverklarings

- Mag skade aan borsgevoede kinders veroorsaak.
- Baie giftig vir waterlewende organismes met langdurige gevolge.

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

Aartappels	120
Appels	56
Pere	56

- Hanteer versigtig.
- Skadelik indien ingesluk of ingeasem.
- Bêre weg van kos en voer, en in 'n koel plek.
- Bêre agter slot en grendel, buite bereik van kinders, oningeligte persone en diere.
- Herbetreding: Moenie behandelde area betree alvorens spuitneerslag droog is of tensy beskermende klere gedra word nie. of tensy beskermende klere gedra word nie.

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

Voorsorgverklarings

- Indien mediese advies benodig word, hou die produkhouer of -etiket byderhand.
- Hou buite bereik van kinders.
- Lees sorgvuldig en volg alle instruksies.
- Vermyn inaseming van walm of dampe of spuitstof.
- Vermyn kontak tydens swangerskap en borsvoeding.
- Moet nie eet, drink of rook wanneer hierdie produk gebruik word nie.
- Was besoedelde liggaamsdele deeglik na hantering.
- Maak stortslae bymekaar.
- Berg agter slot en grendel.
- Raak ontslae van inhoud en houer deur dit aan 'n spesialis-afval insamelsplek wat gevaarlike stowwe hanteer te besorg

- Verhoed kontak met die vel en beskerm die oë.
- Dra beskermende oorklere, rubberhandskoene, rubberstewels en gesigskerm wanneer spuitmengsel aangemaak word.
- Was besmette klere daaglik.
- Moenie fonteine, damme, riviere, drinkwater, eetgerei, voedsel of voer besoedel nie.
- Vermyn oorwaai van spuitnewel na ander gewasse, weiveld, riviere, damme en areas nie onder behandeling nie.
- Maak toedieningsapparaat skoon na gebruik en moenie gewasse, weiding, riviere of damme met waswater besoedel nie.
- SPOEL LEË HOUER DRIE KEER AS VOLG: Keer die leë houer oor die spuit of mengtenk om en dreineer vir minstens 30 sekondes nadat die vloei tot 'n gedrup verminder het. Spoel daarna die leë houer drie keer na mekaar met een kwart van die houervolume vars water en giet die spoelwater in die spuitenk of mengtenk oor. Kap gate in die drie keer gespoelde houer waarna dit aan 'n goedgekeurde versamelaar of verwerker oorhandig moet word (www.croplife.co.za) Moet nie die houer begrawe, verbrand of aan enige ander partye skenk wat dit as houer vir voedsel of drinkgoed mag gebruik nie
- Vernietig leë houer deur gate in te kap en plat te slaan en raak op 'n veilige wyse daarvan ontslae en moenie vir enige ander doel hergebruik nie.

RELEVANTE BESTANDELE

Gevaarlike Bestanddele Volgens UN GHS kriteria	CAS nommer	Konsentrasie (W/W)
1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N- (3',4',5'-trifluoro[1,1'-biphenyl]-2- yl)-; Fluxapyroxad	907204-31-3	26,53 %
Alkylinaphthalenesulfonic acid, polymer with formaldehyde, sodium salt	68425-94-5	< 5 %

Gevaarlike Bestanddele Volgens UN GHS kriteria	CAS nommer	Konsentrasie (W/W)
Benzenesulfonic acid, hydroxy-, polymer with formaldehide, phenol and urea, sodium salt	102980-04-1	< 5 %
1,2-Benzisothiazol-3(2H)-one	2634-33-5	< 0,01 %
2-Methyl-2H-isothiazol-3-one	2682-20-4	< 0,01 %
Propane-1,2-diol	57-55-6	< 10 %

NOODHULPBEHANDELING

Verwyder besoedeelde klere

INDIEN IN DIE OË:	Spoel aangetaste oë vir ten minste 15 minute met lopende water, terwyl die ooglede oorgehou 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

WAARSKUWING TEEN WEERSTAND

Sercadis is 'n FRAC Groepkode 7 swamdoder. Swamdoders in die groep dra 'n medium tot hoë risiko vir weerstandsontwikkeling. Enige populasie van 'n spesifieke swam mag individue insluit wat 'n natuurlike weerstand teen **Sercadis** en ander Groepkode 7 swamdoders het. Indien hierdie swamdoders herhaaldelik en eksklusief in programme aangewend word, kan die weerstandbiedende individue uiteindelik die swampopulasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur **Sercadis** of enige ander Groepkode 7 swamdoders beheer word nie.

Om weerstand teen swamdoders te verhoog:

- Verminder die eksklusiewe herhaaldelike gebruik van swamdoders met dieselfde Swamdodergroepkodes. Wissel af met, of gebruik tenkingsels van, produkte in verskillende Swamdodergroepkodes. Sien toepaslike individuele produketikette wanneer daar afgewissel word, of tenkingsels gebruik word, met produkte in ander Swamdodergroepkodes.
- Beperk die aantal toedienings per seisoen soos aangedui deur die vervaardiger.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in swamdoderprogramme.

PRAKTIESE RIGLYNE VIR DIE VOORKOMING VAN WEERSTAND TEEN Sercadis® WORD AANGEDUI ONDER 'ALGEMENE INLIGTING' EN ONDER 'GEBRUIKSAANWYSINGS' IN DIE ONDERSTAANDE TABEL. VIR BYKOMENDE INLIGTING OOR WEERSTANDBESTUUR,

KONTAK DIE REGISTRASIEHOUER, BASF SA (Edms) Bpk., OF VERWYS NA DIE FRAC WEBTUISTE VIR BESONDERHEDE: ()

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS VOORGESKRYF

Algemene inligting:

Fluxapyroxad is 'n swamdoder met aktiwiteit teen lae dosisse teen 'n breë-spektrum van plantsiektes. Dit behoort aan die karboksamied klas van chemie en die wyse van werking is deur inhibisie van suksinaatdehidrogenase, in kompleks II van die mitochondriale respirasieketting, met gevolglike inhibisie van spoorontkieming, kiembuisontwikkeling en miselium groei in die teikenswam. As sulks, val fluxapyroxad in die SDHI groep van swamdoders en onder FRAC Groepkode 7. Fluxapyroxad dring plantweefsel vinnig binne na toediening en toon translaamêre en akropetaal sistemiese beweging om langdurige nawerking te verskaf.

Verenigbaarheid:

Appels en Pere: Selektiwiteit van die mengsel tussen **Sercadis**® en **Delan**® (Reg. Nr L5440) is bewys oor 'n reeks van appel- en peervariëteite. Bykomend, is die verenigbaarheid van die mengsel met die volgende produkte bewys:

Hunter® 24 SC (Reg. No. L8307)

Regalis® Plus (Reg. No. L10535) – slegs appels

Aartappels: Geen mengsels word voorgestel vir in-voor toediening nie

Menginstruksies:

Maak die spuittenk halfvol met skoon water. Skud die **Delan**® houër goed en meet die benodigde hoeveelheid **Delan**® af en vermeng met ten minste 10 l water voor byvoeging by die spuittenk. Skakel die roermeganisme aan. Meet die benodigde hoeveelheid **Sercadis**® af en meng dit vooraf met minstens 10 l water en voeg in die spuittenk. Enige ander produkte wat by die spuitmengsel gevoeg word moet vooraf met 10 l water vermeng word. Voeg bykomende produkte by die spuittenk in die volgende volgorde: Suspensiekonsentrate, wateroplosbarekonsentrate en emulgeerbarekonsentrate. Vul die spuittenk met water tot die verlangde volume 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.

Algemeen:

- Pas Goeie Landbou Praktieke (GLP), Geïntegreerde Plaagbeheer en Anti-weerstandbestuursprogramme toe wanneer **Sercadis**® in 'n spuitprogram toegedien word.
- Dien **Sercadis**® in beginsel op 'n voorkomende basis toe.
- Gebruik ander geregistreerde swamdoders met 'n werkingsmeganisme wat verskil van FRAC Groepkode 7 verwante swamdoders vir die res van die spuitprogram.
- **Moenie Sercadis®, of enige ander swamdoder verwant aan FRAC Groep 7, as die laaste bespuiting van die beheerprogram toedien nie.**

TOEDIENING:

APPELS EN PERE

Hoë-volumetoedienings:

Die vereiste watervolume per hektaar moet bereken word met die Boom-Ry-Volume (BRV) formule soos beskryf deur Unrath (Sagte Vrugteboer, Nov. 1986):

$$l/ha = \frac{\text{Boomhoogte} \times \text{Boomdiepte} \times 937}{\text{Rywydte}}$$

Bostaande formule gee die vereiste watervolume vir Hoë-volumebespuitings (HV) op bome met 'n volle blaardrag. Op basis van bostaande formule word die volgende watervolumes vir die verskeie groeistadiums aanbeveel:

Groeistadium	% HV water vereistes / ha
Groenpunt – 30 % van volblom	60
Volblom – middel November	80
Vanaf begin Desember	100

Lae-volumetoedienings:

Wanneer lae-volumebespuitings toegedien word, moet die hoeveelheid **Sercadis®** per 100 l water sodanig verhoog word sodat die hoeveelheid swamdoder per ha toegedien dieselfde is as in die geval van hoë-volumebespuitings. Gebruik bostaande formule en groeistadiumtabel om die vereiste hoeveelheid **Sercadis®** per ha te bereken.

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.

AARTAPPELS

- Plaas die knolle in die plantvoor en dien **Sercadis®** toe oor die knolle sowel as die omliggende grond voordat plantvoor toegemaak word met grond of opgeërd word.
- Gebruik 'n T-Jet platwaaierspuitskop* om goeie bedekking in die plantvoor te verseker ekwivalent aan 200 l water per ha.
- Toediening met handspuitte word nie aanbeveel nie.

*Verwys na die vervaardiger se instruksies vir spuitkopspesifikasies, soos bv. spuitwydte.

GEWAS	SIEKTE	DOSIS	GEBRUIKSAANBEVELINGS
APPELS	Appelskurf (<i>Venturia inaequalis</i>)	12,5 ml / 100 l water	<p>Dien Sercadis® toe as deel van 'n volledige spuitprogram. Beplan die insluiting van Sercadis® in die spuitprogram, uitsluitlik as voorkomende bespuitings, gedurende die volgende groeistadiums: Beginnende by pink-bal tot vroeë vrugstadium, dien toe met intervalle tussen vyf en tien dae, tot en met 75 %-blomblaarval.</p> <p>Vanaf 75 % blomblaarval kan die spuitintervalle tot 'n maksimum van 10 dae verleng word. Indien weersomstandighede gedurende die periode verander wat siekte-ontwikkeling begunstig, moet die spuitintervalle weer verkort word na sewe dae.</p> <p>Delan® is buigsaam vir plasing in die spuitprogram. Om optimale beheer te verseker is die voorkeurplasing van Sercadis® tussen 25 % blom en vroeë vrugset om optimale beheer te verkry.</p> <p>FRAC Riglyne onderstaan altyd deurdagte weerstandbestuurspraktyke. Die onderskeie Riglyne is in die aanbevelings van hierdie etiket ingesluit.</p> <p>Fundamenteel tot hierdie riglyne is die volgende:</p> <ul style="list-style-type: none"> • Dien altyd Sercadis® in kombinasie met Delan® (FRAC Groepkode M9) toe. Dit is die voorkeur produk vir 'n tenkmengsel, teen die dosisse en intervalle soos voorgeskryf. • Sercadis® of enige ander FRAC Groep 7 swamdoder moet nie in meer as twee opeenvolgende toedienings per seisoen aangewend word nie. • Moenie meer as drie keer toedien nie. • Dien altyd voorkomend toe. <p>Verwys na APPELS EN PERE onder die opskrif TOEDIENING hierbo.</p>
	Poeieragte meeldou (<i>Podospaera leucotricha</i>)	+	
PERE	Peerskurf (<i>Venturia pirina</i>)	30 ml / 100 l water	
AARTAPPELS	Swartskurf (<i>Rhizoctonia solani</i>)	16 ml / 100 m ry	<p>Dien Sercadis® toe as 'n enkel in-voor toediening tydens plant</p> <p>Dien Sercadis® in 200 l water per ha toe om goeie bedekking van die knolle te verseke. Verwys na AARTAPPELS onder die opskrif TOEDIENING hierbo.</p>

VERKOOPSVOORWAARDES EN WAARBORG

Die GEBRUIKSAANWYSINGS van hierdie produk weerspieël die opinie van kundiges, gebaseer op gebruik in die veld en in proewe. Die aanwysings word as betroubaar geag en moet noukeurig nagekom word. Dit is egter onmoontlik om alle risiko's wat inherent met die gebruik van hierdie produk geassosieer word, uit te skakel. Gewasskade, oneffektiwiteit of ander onopsetlike gevolge mag voorkom as gevolg van faktore soos weerstoestande, teenwoordigheid van ander materiale, of wanneer die produk op 'n wyse wat teenstrydig met die etiket is, gebruik word; dit alles is buite die beheer van BASF Suid-Afrika (Edms) Bpk ("BASF") of die Verkoper. In die mate waarin dit in ooreenstemming met toepaslike wetgewing is, sal alle risiko's deur die Koper aanvaar word. BASF waarborg dat hierdie produk aan die vereistes van die chemiese beskrywing op die etiket voldoen, en is redelikerwys geskik vir die gebruikdoeleindes soos uiteengesit in die GEBRUIKSAANWYSINGS, onderhewig aan die inherente risiko's, soos hierbo na verwys.

IN DIE MATE WAT DIT MET TOEPASLIKE WETGEWING OOREENSTEM, GEE BASF GEEN ANDER UITDRUKKING OF GEIMPLISEERDE WAARBORG VAN GESKIKTHEID OF VERKOOPSVERNUF OF ENIGE ANDER UITDRUKKING OF GEIMPLISEERDE WAARBORG NIE. IN DIE MATE WAT DIT MET TOEPASLIKE WETGEWING OOREENSTEM, SAL DIE KOPER SE UITSLUITLIKE REGSMIDDEL EN BASF SE UITSLUITLIKE AANSPREEKLIKHEID, HETSY IN KONTRAK, ONREGMATIGHEID, NALATIGHEID, STRENG AANSPREEKLIKHEID, OF ANDERSINDS, BEPERK WORD TOT TERUGBETALING VAN DIE AANKOOPPRYS VAN DIE PRODUK. IN DIE MATE WAT DIT MET TOEPASLIKE WETGEWING OOREENSTEM, DOEN BASF EN DIE VERKOPER, AFSTAND VAN ENIGE AANSPREEKLIKHEID TEN OPSIGTE VAN VOORTSPRUITENDE SKADE, SKADEVERGOEDING, SPESIALE OF INDIREKTE SKADE, UIT DIE GEBRUIK OF HANTERING VAN HIERDIE PRODUK.

BASF en die Verkoper bied hierdie produk aan, en die Aankoper en Gebruiker aanvaar dit, onderhewig aan die voorafgaande Verkoopsvoorwaardes en Waarborg, wat slegs gewysig mag word deur 'n skriftelike ooreenkoms, wat na behore deur 'n gemagtigde verteenwoordiger van BASF onderteken is.

Sercadis® (Reg. Nr L9800), **Delan®** (Reg. Nr L5440), **Hunter® 24 SC** (Reg. Nr L8307) en **Regalis® Plus** (Reg. Nr L10535) is geregistreerde handelsmerke van BASF.

Sercadis®

Reg. No. L9800

Act No. 36 of 1947

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



GROUP

7

FUNGICIDE

A suspension concentrate fungicide with translaminar and systemic activity for the control of fungal diseases in crops as listed

'n Suspensiekonsentraatswamdoder met translaminêre en sistemiese aktiwiteit vir die beheer van swamsiektes op gewasse soos aangedui

Hazard statements:

May cause harm to breast-fed children.

Very toxic to aquatic life with long lasting effects.

Precautionary statements:

Do not breathe dust or mist.

Avoid contact during pregnancy and while nursing.

WARNING



Active ingredients / Aktiewe bestanddele:

Fluxapyroxad (pyrazole-carboxamide).....300 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

EMERGENCY NUMBERS +27 82 446 8946 or +27 11 203 2420

In case of poisoning, call the following number: +27 861 555 777

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