

# MYCOGUARD 720 SC

Reg. No.: L8417 Act No. 36 of 1947

A suspension concentrate contact fungicide for the preventive control of the fungal diseases mentioned on the crops and ornamentals listed.

**FRAC FUNGICIDE GROUP CODE: M5**

**ACTIVE INGREDIENT:**

Chlorothalonil (phthalonitrile)..... 720 g/l

**REGISTRATION HOLDER:**

**Arysta LifeScience South Africa (PTY) LTD**  
Co. Reg. No.: 2009/019713/07  
7 Sunbury Office Park , Off Douglas Saunders Drive  
La Lucia, 4019 • Tel: (031) 514-5600

**DISTRIBUTOR:**

**PROTEK**, a division of **PE-BEE Agri (PTY) LTD**  
Co. Reg. No.: 2005/036308/07  
P.O. Box 72, Heidelberg, 1438  
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www.proteksa.co.za

**EMERGENCY NO.: 082 446 8946**

UN No.: 3082

**READ THE LABEL IN DETAIL BEFORE OPENING THE CONTAINER.**  
For full particulars, see enclosed leaflet.



**WARNINGS:** Allow the following minimum number of days between the last application and harvesting or grazing:

Beans, Cucurbits, Potatoes & Tomatoes:	3 days
Groundnuts hay & Bean hay:	42 days

- Handle product with caution.
- Harmful if swallowed and inhaled.
- Severe irritant to eyes.
- Moderate to severe irritant to skin.
- Very toxic to fish and aquatic organisms.
- Store in a cool, dry and well-ventilated place in the original container, tightly closed and secured.
- Store away from food, feeds, seed, fertilizer and other agricultural remedies.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.

*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 climatic and storage conditions, quality of dilution water, incompatibility with other substances not indicated on the label and the occurrence of resistance of 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:**

- Do not inhale spray mist.
- Avoid skin and eye contact.
- Wear protective clothing, face shield, rubber gloves and rubber boots when preparing the spray mixture.
- In case of accidental eye contact, flush with plenty of water and get medical attention if necessary.
- Wash with soap and water after use and accidental skin contact as well as contaminated clothing.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean application equipment thoroughly after use. Dispose of wash water where it will not contaminate crops, grazing, rivers, dams and boreholes.
- 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 described manner.
- Destroy the empty container by perforation and flattening and dispose of it in a safe manner.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

**RESISTANCE WARNING:** For resistance management, **MYCOGUARD 720 SC** is a group code **M5** fungicide. Any fungus population may contain individuals naturally resistant to **MYCOGUARD 720 SC** and other group code **M5** fungicide. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **MYCOGUARD 720 SC** or any other group code **M5** fungicide.

To delay fungicide resistance:

- Avoid exclusive repeated use of fungicide from the same fungicide group code. Alternate or tank mix with products from different fungicide group codes.
- Integrate other control methods (chemical, cultural, biological) into disease control programmes.

For specific information on resistance management contact the registration holder of this product.

**DIRECTIONS FOR USE: Use only as directed.**

**Compatibility:**

- Consult the labels of the products with which **MYCOGUARD 720 SC** will be used. However, since it is not possible for Tsunami Plant Protection to test all possible combinations, the onus lies with the user to carry out a compatibility test in the event of any uncertainty.
- When **MYCOGUARD 720 SC** is used in mixtures with other remedies, observe the label **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** as indicated for these remedies.
- Do not mix with other pesticides unless physical and chemical compatibility has been confirmed.
- Consult the supplier for the latest information on the compatibility of **MYCOGUARD 720 SC**.

**Mixing Instructions:**

- Half-fill the spray tank with clean water.
- Shake the **MYCOGUARD 720 SC** container thoroughly immediately before use.
- Measure the required volume of **MYCOGUARD 720 SC** and premix this with at least 10 litres water.
- If any other product is to be mixed with **MYCOGUARD 720 SC** pre-mix the required volume of product in similar fashion.

- Agitate the water in the spray tank and add the pre-mixed product(s) in the following sequence (as applicable): adjuvant/acidifier, wettable powder, suspension 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 Directions:**

- **MYCOGUARD 720 SC** must be applied as a preventive treatment for the control of the diseases mentioned.
- Ensure good coverage of the whole plant (the stems and both surfaces of the leaves) by using enough water and spraying equipment that is capable of maintaining high pressure.
- During wet or humid conditions when the disease pressure is more severe applications must be made more frequently than during drier conditions, but do not exceed 21 day spray intervals.
- Repeat applications if 13 mm or more natural or artificial rain is recorded within 72 hours of an application.

**APPLICATION DOSAGE RATES:**

CROP/DISEASE:	DOSAGE RATE / 100m <sup>2</sup> :	REMARKS:
<b>BEANS</b> Rust ( <i>Uromyces appendiculatus</i> )		Apply in a spray programme every 7 to 14 days as a preventive treatment or at the first sign of infection.
	7 – 15 ml/ 10 l water	Apply the appropriate dosage rate depending on the growth stage of the crop as a full cover spray. Use higher dosage rate when weather conditions favour the development of the disease. (See General directions under DIRECTIONS FOR USE above.)
<b>CUCURBITS</b> Downy mildew ( <i>Pseudoperonospora</i> spp.) & Anthracnose ( <i>Colletotrichum</i> spp.)	10 – 20 ml/ 10 l water	Apply every 7 to 10 days as a preventive treatment. Use the higher dosage rate when weather conditions favour the development of the disease. Ensure full coverage of both surfaces of the leaves.
<b>GLADIOLI</b> Leafspot ( <i>Botrytis</i> spp.)	20 ml/ 10 l water	Apply as a full cover preventive spray every 7 to 14 days. Do not apply during flowering.
<b>GROUNDNUTS</b> Leafspot ( <i>Cercospora</i> spp. and <i>Phoma arachidicola</i> ) & Botrytis rot ( <i>Botrytis cinerea</i> )		Apply <b>MYCOGUARD 720 SC</b> as a full cover preventive spray in a regular spray programme. Start application as from middle to late December or about 6 to 10 weeks after planting (or earlier) depending on whether the conditions favour the development of diseases.
	7 – 10 ml/10 l water 15 – 20 ml/10 l water	<b>Low infection:</b> Apply every 10 to 14 days. <b>High infection:</b> Apply every 7 to 10 days.
<b>LAWNS AND TURF</b> Dollar Spot ( <i>Sclerotinia homoeocarpa</i> , <i>Rhizoctonia solani</i> & <i>Helminthosporium</i> spp.)	35 ml/10 l water	<b>Preventive treatment:</b> Apply in a spray programme at 7 to 10 day intervals using at least 10 litre spray mixture per 100 m <sup>2</sup> .
	52 ml/10 l water	<b>Curative treatment:</b> Apply 10 litre spray mixture per 100 m <sup>2</sup> twice within seven days and thereafter return to the preventive programme as above.
<b>POTATOES</b> Early blight ( <i>Alternaria solani</i> ) & Late blight ( <i>Phytophthora infestans</i> )		Apply the first application of a spray programme as a preventive treatment before the first disease symptoms appear, or when weather conditions favour the development of the disease. (Refer to General directions under DIRECTIONS FOR USE above.) Repeat applications until aerial parts die back.
	7 – 10 ml/10 l water 20 ml/10 l water	<b>Low infection:</b> Apply at seven day intervals as a full cover spray. Use the lower rate under dryland conditions and the higher rate for irrigated crops. <b>High infection:</b> Apply every 5 to 7 days as a full cover spray.
<b>ROSES</b> Black spot ( <i>Actinonema</i> spp.)	20 ml/10 l water	Apply every 7 to 14 days as a preventive full cover programme spray.
<b>TOMATOES</b> Early blight ( <i>Alternaria solani</i> ), Late blight ( <i>Phytophthora infestans</i> ), Leafspot ( <i>Septoria lycopersici</i> ) & Botrytis rot ( <i>Botrytis cinerea</i> )		Follow a spray programme by commencing with a preventive application from flowering or when weather conditions favour the development of the disease. Apply as a full cover spray. When Botrytis rot threatens the crop apply the higher dosage rate at seven day intervals for both high and low volume applications.
	20 ml/10 l water 40 ml/10 l water	<b>Low infection:</b> Apply every 10 to 14 days. <b>High infection:</b> Apply every 7 to 10 days.

# MYCOGUARD 720 SC

Reg. Nr.: L8417 Wet Nr. 36 van 1947

'n Suspensie konsentraat kontak swamdoder vir die voorkomende beheer van die swamsiektes vermeld op die genoemde gewasse en sierplante.

**FRAC SWAMDODER GROEP KODE: M5**

**AKTIEWE BESTANDEEL:**

Chlorotalonil (phthalonitriël)..... 720 g/l

**REGISTRASIEHOUER:**

**Arysta LifeScience South Africa (EDMS) BPK**  
Mpy. Reg. Nr.: 2009/019713/07  
7 Sunbury Office Park  
Douglas Saunders-rylaan  
La Lucia, 4019 • Tel: (031) 514-5600

**VERSPREIDER:**

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**NOOD NOMMER: 082 446 8946**

UN Nr.: 3082

**LEES DIE ETIKET VOLLEDIG VOORDAT DIE HOUER OOPGEMAAK WORD.**  
**Vir volledige besonderhede, sien ingeslote pamflet.**



**VERSIGTIG**

**WAARSKUWINGS:** Laat die volgende minimum aantal dae toe tussen die laaste toediening en oes of beweiding:

Aartappels, Bone, Pampoengewasse & Tamaties:	3 dae
Grondboonhooi & Bonehooi:	42 dae

- Hanteer produk versigtig.
- Skadelik indien ingesluk en ingeasem word.
- Veroorsaak ernstige irritasie van oë.
- Veroorsaak matige tot ernstige irritasie van vel.
- Baie giftig vir visse en waterlewe.
- Berg in koel, droë en goed geventileerde plek in diggeseëde, oorspronklike houër.
- Berg weg van voedsel, voer, saad, kunsmis en ander landbouchemikalieë.
- Hou buite bereik van kinders, oningeligte persone en diere.
- **Herbetreding:** Moet nie behandelde gebied betree alvorens die spuitneerslag droog is nie, tensy beskermende oorklere gedra word.

*Alhoewel hierdie middel omvattend en 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 klimaats- en bergingstoestande, kwaliteit van verdunningswater, onverenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie, en die voorkoms van weerstand van die siekte en plaag 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 effekte op mens of dier of vir 'n gebrek aan prestasie 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.*

**VOORSORGMATREËLS:**

- Moet nie spuitnewel inasem nie.
- Vermoed kontak met die vel en oë.
- Dra beskermende klere, gesigskerm, rubberhandskoene en rubberskoene wanneer die spuitmengsel voorberei word.
- Indien produk in aanraking met die oë kom, spoel met water en kry mediese aandag indien nodig.
- Was met seep en water na gebruik en toevallige vel kontak asook besoedelde klere.
- Moet nie eet, drink of rook tydens vermenging of toediening van die produk of voordat die hande en gesig gewas is nie.
- Vermoed spuitnewel op ander gewasse, weiveld, riviere, damme en plekke wat nie behandel moet word nie.
- Maak toedieningsapparaat deeglik skoon na gebruik. Uitspoelwater moet nie gewasse, weiveld, riviere, damme en boorgate besoedel nie.
- Lê houers moet driekeer uitgespoel word soos volg: Keer die lê houër om oor die spuittenk of mengbak en dreineer vir minstens 30 sekondes nadat die vloeï tot 'n gedrup verminder het. Spoel die houër daarna driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10% van die inhoud van die houër. Gooi die spoelwater by die inhoud van die spuittenk voordat die houër op die voorgeskrewe wyse vernietig word.
- Vernietig die lê houër deur gate daarin te kap en plat te slaan en doen weg daarmee op 'n veilige manier.
- Moet nooit die lê houër vir enige ander doel hergebruik nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

**WEERSTANDSWAARSKUWING:** MYCOGUARD 720 SC is 'n groeppkode **M5** swamdoder. Enige populasie van 'n spesifieke swam mag individueel insluit wat 'n natuurlike weerstand teen MYCOGUARD 720 SC of enige ander groeppkode **M5** swamdoder het. Indien hierdie swamdoder herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die swam populasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur MYCOGUARD 720 SC of enige ander groeppkode **M5** swamdoder beheer word nie.

Om weerstand teen swamdoders te vertraag:

- Vermoed die eksklusiewe herhaaldelike gebruik van swamdoders met dieselfde groeppkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende swamdodergroep kodes,
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in swambeheer programme.

Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

**GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.**

**Vereenigbaarheid:**

- Raadpleeg die onderskeie produkte waarmee MYCOGUARD 720 SC gemeng gaan word. Aangesien Tsunami Plant Protection nie alle moontlike kombinasies kan toets nie, dra die verbruiker die verantwoordelikheid om 'n mengbaarheidstoets uit te oefen indien daar enige twyfel bestaan.
- Wanneer MYCOGUARD 720 SC in mengsels met ander middels gebruik word, moet die etiket **WAARSKUWINGS, VOORSORGMATREËLS** en **GEBRUIKSAANWYSINGS** soos aangedui vir die betrokke middels, nagekom word.
- Moet nie met ander plaagdoders vermeng, alvorens fisiese en chemiese verenigbaarheid bevestig is nie.
- Raadpleeg die verskaffer vir die jongste inligting ten opsigte van die mengbaarheid van MYCOGUARD 720 SC.

**Menginstruksies:**

- Maak die spuittenk halfvol met skoon water.
- Skud die MYCOGUARD 720 SC houër deeglik net voor gebruik.
- Meet die benodigde volume MYCOGUARD 720 SC af en meng dit vooraf met minstens 10 liter water.
- Indien enige ander produk met MYCOGUARD 720 SC gemeng word, moet die benodigde volume van hierdie produk op soortgelyke wyse eers vooraf gemeng word.

- Roer die water in die spuittenk en voeg dan die produk(te) by die tenk in die volgende volgorde (soos van toepassing): bevorderingsmiddel/versuringsmiddel, benatbare poeier, suspensie konsentraat, emulgeerbare konsentraat.
- Vul die spuittenk met water 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 moet nie in die spuittenk gelaat word vir 'n onbepaalde tyd nie, bv. oornag.

**Algemene Aanwysings:**

- **MYCOGUARD 720 SC** moet toegedien word as 'n voorkomende bespuiting teen genoemde siektes.
- Verseker goeie bedekking van die hele plant (stamme en beide oppervlakke van die blare) deur gebruik te maak van genoeg water en 'n spuitapparaat wat 'n hoë druk kan handhaaf.
- Tydens nat of meer vogtige toestande waartydens die besmettingdruk meer hevig is, moet toediening meer dikwels gemaak word as onder droër toestande, maar 'n periode van 21 dae tussen toedienings moet nie oorskry word nie.
- Toediening moet herhaal word indien 13 mm of meer natuurlike of kunsmatige reën binne 72 uur na 'n aanvanklike toediening aangeteken word.

**TOEDIENINGSDOSISSE:**

GEWAS/SIEKTE:	DOSIS / 100m²:	OPMERKINGS:
<b>AARTAPPELS</b> Vroeëroes ( <i>Alternaria solani</i> ) & Laatroes ( <i>Phytophthora infestans</i> )	7 – 10 ml/10 l water	<b>Lae infeksie:</b> Dien elke sewe dae toe as 'n volle dekbespuiting. <b>Hoë infeksie:</b> Dien toe as 'n volle dekbespuiting elke 5 tot 7 dae.
	20 ml/10 l water	
<b>BONE</b> Bruinroes ( <i>Uromyces appendiculatus</i> )	7 – 15 ml/10 l water	Dien toe in 'n programbespuiting elke 7 tot 14 dae as 'n voorkomende behandeling of sodra die eerste tekens van die siekte voorkom.
		Dien die toepaslike dosis toe afhange van die groeistadium van die gewas as 'n volle dekbespuiting. Gebruik die hoër dosis wanneer weersomstandighede die ontwikkeling van die siekte begunstig. (Verwys na Algemene aanwysings onder GEBRUIKSAANWYSINGS hierbo.)
<b>GRASPERKE</b> Dollarvlek ( <i>Sclerotinia homoeocarpa</i> , <i>Rhizoctonia solani</i> & <i>Helminthosporium spp.</i> )	35 ml/10 l water	<b>Voorkomende behandeling:</b> Dien elke 7 tot 14 dae toe in 'n programbespuiting deur gebruik te maak van ten minste 10 liter spuitmengsel per 100 m².
	50 ml/10 l water	<b>Korrektiewe behandeling:</b> Dien 10 liter spuitmengsel per 100 m² tweemaal binne sewe dae toe en keer dan terug na 'n voorkomende program soos hierbo verduidelik.
<b>GRONDBONE</b> Blaarvlek ( <i>Cercospora spp.</i> en <i>Phoma arachidicola</i> ) & Botritisvrot ( <i>Botrytis cinerea</i> )	7 – 10 ml/10 l water	Dien <b>MYCOGUARD 720 SC</b> toe as 'n voorkomende volle dekbespuiting in 'n gereelde spuitprogram. Begin toedienings vanaf middel tot laat Desember of ongeveer 6 tot 10 weke na plant (of vroeër) afhange van weersomstandighede wat die siekte kan begunstig.
	15 – 20 ml/10 l water	<b>Lae infeksie:</b> Dien elke 10 tot 14 dae toe. <b>Hoë infeksie:</b> Dien elke 7 tot 10 dae toe.
<b>PAMPOENGEWASSE</b> Donsige skimmel ( <i>Pseudoperonospora spp.</i> ) & Anthracnose ( <i>Colletotrichum spp.</i> )	10 – 20 ml/10 l water	Dien elke 7 tot 10 dae as 'n voorkomende behandeling. Gebruik die hoër spuitkonsentrasie onder weersomstandighede wat die ontwikkeling van die siekte begunstig. Verseker deeglike bedekking van beide oppervlakke van die blare.
<b>ROSE</b> Swartvlek ( <i>Actinonema spp.</i> )	20 ml/10 l water	Dien toe as 'n voorkomende volle dekbespuiting en herhaal elke 7 tot 14 dae.
<b>SWAARDLELIES</b> Blaarvlek ( <i>Botritis spp.</i> )	20 ml/10 l water	Dien toe as 'n voorkomende volle dekbespuiting en herhaal elke 7 tot 14 dae. Moet nie gedurende die blomperiode spuit nie.
<b>TAMATIES</b> Vroeëroes ( <i>Alternaria solani</i> ), Laatroes ( <i>Phytophthora infestans</i> ), Blaarvlek ( <i>Septoria lycopersici</i> ) & Botritisvrot ( <i>Botrytis cinerea</i> )		Begin die bespuitingsprogram met 'n voorkomende toediening vanaf blomstadium of wanneer weersomstandighede die ontwikkeling van die siekte begunstig. Dien toe as 'n volle dekbespuiting. Sodra botritis 'n bedreiging word, dien die hoër dosis toe met tussenposes van 7 dae.
	20 ml/10 l water	<b>Lae infeksie:</b> Spuit elke 10 tot 14 dae.
	40 ml/10 l water	<b>Hoë infeksie:</b> Spuit elke 7 tot 10 dae.