



The miracles of science™

ACANTO® PLUS 280 SC

Reg. No. L9149 Act No. 36 of 1947

Reg. Nr. L9149 Wet Nr. 36 van 1947

Preventive, systemic and translaminar suspension concentrate fungicide for the control of Grey Leaf Spot, Northern Corn Leaf Blight and Brown Rust in Maize and Soybean Rust in soybeans

Beskermende, sistemiese en translaminêre suspensie konsentraat swamdoder vir die beheer van Grysblaarvlek, Noordelike Mielieblaarskroei en Bruinroes in Mielies en Sojaboonroes in Sojabone.

FUNGICIDE GROUP CODES 3 /11 SWAMDODER GROEP KODE

ACTIVE INGREDIENT

Picoxystrobin (strobilurin)200 g/l....
Cyproconazole (triazole) 80 g/l.....

AKTIEWE BESTANDDEEL

Picoxystrobin (strobilurin)
Siprokonasool (triasool)

Net volume

1 l, 5 l and 10 l

Netto volume

REGISTERED BY /

GEREGISTREER DEUR:

DU PONT DE NEMOURS SOUTH AFRICA (PTY) LTD
Co. Reg. No. 1009/014079/07
P. O. BOX / POSBUS 3332
HALFWAY HOUSE 1685
Tel: (011) 218 8600

24 Hour / Uur Emergency Number /
Noodnommer: 083 123 3911

BATCH NUMBER
DATE MANUFACTURED

LOTNOMMER
DATUM VERVAARDIG

UN No. / VN Nr.: 3077

**CAUTION
VERSIGTIG**

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ACANTO[®] PLUS 280 SC

Reg. No. L9149 Act No. 36 of 1947

Contains picoxystrobin / cyproconazole

WARNINGS:

ALLOW THE FOLLOWING WITHHOLDING PERIOD BETWEEN LAST APPLICATION AND HARVEST:

Maize	28 days
Soybeans	56 days

- Do not graze treated soybeans or maize or use as fodder.
- Handle with care.
- Harmful if swallowed.
- Prevent contact with eyes and skin since the product may cause eye and skin irritation.
- Keep out of reach of children, uninformed persons and animals.
- Toxic to fish and harmful to other aquatic organisms.
- Store away from food and feed.
- RE-ENTRY: Do not enter treated area within 1 day after treatment unless wearing protective clothing.

Use of Adjuvants or Surfactants

Some materials including oils, surfactants, adjuvants and pesticide formulations when applied individually, sequentially, or in tank mixtures may solubilize the plant cuticle, facilitate penetration into plant tissue, and increase the potential for crop injury.

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, 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:

- Prevent spray drift onto crops not under treatment, grazing or adjacent water sources.
- Do not contaminate streams, rivers or dams.
- Avoid contact with skin, eyes and clothing.
- Do not inhale spray mist.
- Wear protective clothing, rubber gloves and face shield when preparing spray mixture.
- Wash with soap and water after use and accidental skin contact.
- Do not eat, drink or smoke whilst applying, mixing, before washing hands and face and change of clothing.
- 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 rinsate to the contents of the spray tank before destroying the container in the prescribed manner.
- Thoroughly rinse the sprayer and flush the hoses, boom and nozzles with clean water. Loosen and physically remove visible deposits. Remove and clean nozzles, screens and filters separately. Flush the entire system with clean water again.
- Do not clean spray equipment near a well, bore hole, fountain or any other water sources.
- Do not contaminate crops, grazing, rivers, or dams with wash water.
- Never re-use the container for any other purpose.
- Do not contaminate food, feed, drinking water and eating utensils.

RESISTANCE WARNING

ACANTO® PLUS 280 SC is a combination of group code 11 and group code 3 fungicides. Any fungus population may contain individuals naturally resistant to group code 3 or code 11 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicide groups are used separately on a continuous basis on their own. The use of **ACANTO® PLUS 280 SC** will help minimise the occurrence of resistant fungi to either of the group code 3 and group code 11 fungicides on their own.

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.
- Integrate the control methods (chemical, cultural, biological) into disease control programmes.

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

COMPATIBILITY

ACANTO® PLUS 280 SC is compatible with H&R Crop Oil (Reg. No. L6062 Act No. 36 of 1947) in maize and H&R Crop Oil (Reg. No. L6062 Act No. 36 of 1947) and Trend® 90 (Reg. No. L8207 Act No. 36 of 1947) in soybeans. The compatibility of **ACANTO® PLUS 280 SC** with other products has not been fully investigated. Tank mixtures that have not been evaluated for physical compatibility and crop safety must first be tested on a limited scale. Consult the manufacturer in case of uncertainty.

GENERAL

- **ACANTO® PLUS 280 SC** contains picoxystrobin a strobilurin and cyproconazole a triazole fungicide. These two fungicide groups are complimentary, with picoxystrobin and other strobilurin analogues inhibiting fungal respiration, while the cyproconazole inhibits fungal penetration, germ tube elongation and mycelia growth.
- **ACANTO® PLUS 280 SC** has systemic, translaminar and preventative properties and is vapour active.
- **ACANTO® PLUS 280 SC** shows good crop safety, disease control and maintenance of green leaf area which results in significant yield benefits.
- **ACANTO® PLUS 280 SC** is best used as a protectant treatment prior to or in the earliest stages of disease development.
- **ACANTO® PLUS 280 SC** must not be applied to any crop suffering from stress as a result of drought, water logging, low temperature, insect attack, nutrient or lime deficiency or other factors reducing crop growth.

MIXING INSTRUCTIONS AND CLEANING OF SPRAY EQUIPMENT

- Before using **ACANTO® PLUS 280 SC** make sure the spraying equipment is clean.
- Half fill the spray tank with water and start the agitator. Continue agitation while adding the required amount of **ACANTO® PLUS 280 SC** to the spray tank, while topping up the tank with the required volume of water and while spraying.

CROP AND DISEASE	AMOUNT PER HA	REMARKS
<p>MAIZE: Grey Leaf Spot (<i>Cercospora zeina</i>) Northern Corn Leaf Blight (<i>Exserohilum turcicum</i>) Brown Rust (<i>Puccinia sorghii</i>)</p>	<p>FOLIAR APPLICATION: 700 ml ACANTO® PLUS 280 SC per ha</p> <p>Apply ACANTO® PLUS 280 SC in combination H&R Crop Oil at 500ml per ha.</p>	<p>APPLICATION METHODS: 1. Ground application (vertical boom): 300–500 l water per ha. 2. Knapsack with hand-held boom: 50-100 l water per ha.</p> <p>Apply ACANTO® PLUS 280 SC as two applications starting preventively or at very first symptoms of any of the diseases at the 5-8 leaf stage of the crop. The first application of ACANTO® PLUS 280 SC should ideally be applied preventively and no later than the 8 leaf stage of the crop. Apply a second ACANTO® PLUS 280 SC application 21-28 days later. Use the shorter spray interval under high disease pressure and favourable condition for disease development. Follow the second ACANTO® PLUS 280 SC application up with one or two Capitan applications at a spray interval of 21- 28 days depending the disease pressure. Ensure thorough coverage of the whole plant.</p> <p>Allow at least 28 days between ACANTO® PLUS 280 SC application and harvest of the green maize cobs. Do not apply more than two ACANTO® PLUS 280 SC containing applications per season.</p>

CROP AND DISEASE	AMOUNT PER HA	REMARKS
<p>SOYBEANS: Soybean Rust / Asian Rust (<i>Phakopsora</i> <i>pachyrhizi</i>)</p>	<p>FOLIAR APPLICATION: 300 ml ACANTO® PLUS 280 SC in at least 300 l water per ha</p> <p>The addition of a non-ionic wetter (e.g. Trend® 90 at a dosage rate of 100 ml per 100 l spray mixture) or H&R Crop Oil at 500ml per Ha is recommended for optimal control with ACANTO® PLUS 280 SC.</p>	<p>Apply ACANTO® PLUS 280 SC as a single application at the onset of flowering, or at the very first signs of disease at or around early flowering. If the ACANTO® PLUS 280 SC application is made during flowering, or at early pod-fill, a follow up application with Lyric® C, Capitan® or Lyric® (refer to the relevant product label for recommendations) 21-28 days later is recommended. If weather conditions favour disease development (temperatures of 15-28°C and high humidity) use the shorter spray interval. Should disease appear late in the growing season, a single ACANTO® PLUS 280 SC application will be sufficient. Ensure thorough coverage of the whole plant. Do not apply more than one ACANTO® PLUS 280 SC containing application per season.</p> <p>Allow 56 days between last application of ACANTO® PLUS 280 SC and harvest. Refer to applicable pre-harvest withholding periods on the Lyric® C, Capitan® or Lyric® labels where applicable when applied.</p>

ACKNOWLEDGEMENT OF REGISTERED PRODUCTS:

H & R Crop Oil is the registered product of H & R South Africa Sales (Pty) Ltd



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Siprokonasool (triasool)

Net volume

1 l, 5 l and 10 l

Netto volume

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ACANTO® PLUS 280 SC

Reg. Nr. L9149 Wet Nr. 36 van 1947

Bevat picoxystrobin / cyproconazole

WAARSKUWINGS:

LAAT DIE VOLGENDE ONTHOUDINGSPERIODE TOE TUSSEN DIE LAASTE TOEDIENING EN OES:

Mielies	28 dae
Sojabone	56 dae

- Moet nie behandelde sojabone of mielies beweï of as voer gebruik nie.
- Hanteer versigtig.
- Skadelik indien ingeneem.
- Voorkom kontak met oë en vel aangesien produk oog- en velirritasie kan veroorsaak.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Toksies vir vis en skadelik teen ander waterorganismes.
- Bêre weg van voedsel en voer.
- HERBETREDING: Moet nie die behandelde gebied betree binne 1 dag na bespuiting nie, tensy beskermende oorklere gedra word.

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 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 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, en omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel 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.

Gebruik van byvoegmiddels en benatters

Sommige produkte, insluitend olies, benatters, byvoegmiddels en plaagbeheer formulasies wanneer alleen, opvolgend of in tenkmengsels toegedien word, mag die plant kutikula oplos, penetrasie fasiliteer, asook die potensiaal vir gewasbeskadiging verhoog.

VOORSORGMATREËLS:

- Voorkom spuitstofegdrywing na ander gewasse wat nie behandel word nie, weiding of nabygeleë waterbronne.
- Moet nie strome, riviere of damme kontamineer nie.
- Vermy kontak met oë, vel en klere.
- Moet nie die spuitnewel inasem nie.
- Dra beskermende klere, rubber handskoene en gesigmasker wanneer die spuitmengsel voorberei word.
- Was met oormaat seep en water onmiddellik na toevallige velkontak.
- Moet nie eet, drink of rook tydens toediening of vermenging voordat hande en gesig gewas en klere geruil is nie.
- Spoel leë houers **DRIE KEER UIT** as volg: Keer die leë houer bo-oor spuittenk of mengtenk om en dreineer vir ten minste 30 sekondes nadat die vloeitot 'n drup afgeneem het. Spoel daarna die leë houer drie keer uit met 'n volume water gelykstaande aan minimum van 10% van die houerkapasiteit. Gooi die spoelinhoud by die spuitmengsel in die spuittenk voordat die houer vernietig word op die voorgeskrewe metode.
- Was die toedieningsapparaat, pype, spuitbalk en spuitstukke deeglik uit met na gebruik. Verwyder visuele spuitneerslae. Verwyder spuitstukke, siwwe en filters en maak afsonderlik skoon. Spoel die hele stelsel nog 'n maal met skoon water uit.
- Moet nie toedieningsapparaat naby 'n put, boorgat, fontein of enige ander waterbronskoonmaak nie.
- Moet nie gewasse, weiding, riviere of damme met die waswater tydens die skoonmaak van die apparaat besoedel nie.
- Moet nooit die houer vir enige ander doel hergebruik nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

WEERSTAND WAARSKUWING

ACANTO® PLUS 280 SC is 'n kombinasie van 'n groepkode 11 en groepkode 3 swamdoder. Enige populasie van 'n spesifieke swam mag individue insluit wat 'n natuurlike weerstand teen groepkode 11 en groepkode 3 swamdoders het. Indien groepkode 11 en groepkode 3 swamdoders herhaaldelik op hul eie aangewend word, kan die weerstandbiedende individue uiteindelik die swampopulasie oorheers. Die gebruik van **ACANTO® PLUS 280 SC** sal help om die kans te minimaliseer dat swamme met weerstand teen groepkode 11 en groepkode 3 swamdoders sal voorkom.

Om weerstand teen swamdoders te vertraag:

- Vermy die eksklusiewe herhaaldelike gebruik van swamdoders met dieselfde groepkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende swamdoder groepkodes.
- Raadpleeg toepaslike individuele produketikette wanneer daar afgewissel word, of tenkmengsels gemaak word, met produkte in ander swamdodergroepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in swamdoderprogramme.

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

VERENIGBAARHEID

ACANTO® PLUS 280 SC is verenigbaar met H&R Crop Oil (Reg. Nr. L6062 Wet No. 36 van 1947) in mieles en H&R Crop Oil (Reg. Nr. L6062 Wet No. 36 van 1947) en Trend® 90 (Reg. Nr. L8207 Wet Nr. 36 van 1947) in sojabone. Die verenigbaarheid van **ACANTO® PLUS 250 SC** met ander produkte is nog nie ten volle ondersoek nie. Tenkmengsels wat nog nie vir fisiese verenigbaarheid en gewasveiligheid getoets is nie moet eers op 'n klein skaal getoets word. Kontak die vervaardiger in geval van onsekerheid.

ALGEMEEN

- **ACANTO® PLUS 280 SC** bevat picoxystrobin en cyproconazole. Picoxystrobin is 'n breë spektrum graanswamdoder van die strobilurien groep. Picoxystrobin en ander strobilurien analoë inhibeer swam respirasie. Cyproconazole is 'n triazool waar swam pentrasie en hife groei inhibeer.
- **ACANTO® PLUS 280 SC** het sistemiese, translaminêre en voorkomende eienskappe en beskik oor 'n gasaksie.
- **ACANTO® PLUS 280 SC** toon goeie gewasveiligheid, siektebeheer en behoud van groen loofarea wat tot betekenisvolle opbrengsvoordele lei.
- **ACANTO® PLUS 280 SC** werk die beste wanneer dit as 'n beskermende behandeling, of tydens die vroegste stadia van siekte-ontwikkeling toegedien word.
- **ACANTO® PLUS 280 SC** moet nie toegedien word op enige gewas wat onder stremming verkeer as gevolg van droogte, versuiptoestande, lae temperatuur, insek aanvalle, voedings of kalk tekort of enige ander faktore wat gewasgroei kan verminder nie.

MENGINSTRUKSIES EN SKOONMAAK VAN SPUITAPPARAAT

- Maak seker dat die spuitapparaat heeltemaal skoon is alvorens **ACANTO® PLUS 280 SC** gebruik word.
- Maak die spuitenk halfvol met water en skakel die roeringsmeganisme aan. Roer die spuitmengsel aanhoudend terwyl die benodigde hoeveelheid **ACANTO® PLUS 280 SC** in die spuitenk gevoeg, waarna die tenk met die verlangde hoeveelheid water gevul en bespuiting uitgevoer word.

GEWAS EN SIEKTE	HOEVEELHEID PER HA	OPMERKINGS
<p>MIELIES: Grysblaarvlek (<i>Cercospora zeina</i>) Noordelike Mielieblaarskroei (<i>Exserohilum turcicum</i>) Bruinroes (<i>Puccinia sorghii</i>)</p>	<p>LOOFBESPUITING: 700 ml ACANTO® PLUS 280 SC per ha Dien ACANTO® PLUS 280 SC in kombinasie met H&R Crop Oil teen 500ml per ha toe.</p>	<p>TOEDIENINGSMETODE: 1. Grondtoediening (vertikale spuitbalk): 300- 500 l water per ha. 2. Rugsakspuit met handbalk: 50- 100 l water per ha.</p> <p>Dien ACANTO® PLUS 280 SC toe as twee toedienings beginnende voorkomend of met die verskyning van die heel eerste simptome van enige van die siektes op die 5-8 blaar ACANTO® PLUS 280 SC toediening moet verkieslik voorkomend toegedien word en nie later as die 8 blaarstadium van die gewas nie. Dien die tweede ACANTO® PLUS 280 SC toediening 21-28 dae later toe. Gebruik die korter spuitinterval onder hoë siektedruk of gunstige toestande vir siekteontwikkeling. Volg die tweede ACANTO® PLUS 280 SC toediening op met een of twee Capitan bespuitings met 'n spuitinterval van 21- 28 dae afhangend van die siektedruk. Verseker deeglike bedekking van die hele plant. Laat ten minste 28 dae tussen die laaste ACANTO® PLUS 280 SC toediening in die oes van groenmielies. Moet nie meer as twee ACANTO® PLUS 280 SC bevattende toedienings per seisoen toedien nie.</p>

GEWAS EN SIEKTE	HOEVEELHEID PER HA	OPMERKINGS
<p>SOJABONE Sojaboonroes / Asiese roes (<i>Phakopsora</i> <i>pachyrhizi</i>)</p>	<p>LOOFTOEDIENING: 300 ml ACANTO® PLUS 280 SC in ten minste 300 l water per ha</p> <p>Die byvoeging van 'n nie-ioniese benatter (bv. Trend® 90 teen 100 ml per 100 l spuit mengsel) of H&R Crop Oil teen 500ml per Ha) word aanbeveel vir optimale beheer met ACANTO® PLUS 280 SC.</p>	<p>'n Enkele ACANTO® PLUS 280 SC toediening moet voorkomend toegedien word wanneer die gewas begin blom of met die verskyning van die heel eerste tekens van siekte. Indien die ACANTO® PLUS 280 SC toegedien was tydens blom of tydens peul vorming moet dit opgevolg word met Lyric® C, Capitan® of Lyric® (verwys na die relevante etikette vir meer aanbevelings) 21-28 dae later. Gebruik die korter spuit interval onder gunstige toestande vir siekte ontwikkeling (temperature van 15-28 C en hoë humiditeit). Indien die siekte eers laat in die groeiseisoen voorkom sal 'n enkel ACANTO® PLUS 280 SC toediening voldoende wees. Verseker deeglike bedekking van die hele plant. Moet nie meer as een ACANTO® PLUS 280 SC toediening per seisoen maak nie.</p> <p>Laat 56 dae toe tussen die laaste ACANTO® PLUS 280 SC toediening en oes. Sien toepaslike voor-oes onthoudingsperiodes op die Lyric® C, Capitan® or Lyric® etikette waar toepaslik wanneer toegedien.</p>

ERKENNING VAN GEREGISTREERDE PRODUKTE:

H & R Crop Oil is die geregistreerde produk van H & R South Africa Sales (Pty) Ltd