

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

SHAKE THE CONTAINER WELL BEFORE USE.

Fungicide



FACULTY TOP 250 SC

Reg. No. L 10213 Act/Wet No. 36 of/van 1947

2: 13/11/2019 – Nov2019

A suspension concentrate, systemic action fungicide for the preventative control of diseases in crops as indicated.

'n Suspensie konsentraat, sistemiese aksie swamdoder vir die voorkomende beheer van siektes in gewasse soos aangedui.

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

picoxystrobin (strobilurin)	150 g/l	pikoksistrobien (strobilurien)
prothioconazole (triazole)	100 g/l	protiokonasool (triasool)

FRAC FUNGICIDE GROUP CODE **11** FRAC SWAMDODER GROEPCODE
FRAC FUNGICIDE GROUP CODE **3** FRAC SWAMDODER GROEPCODE



Registration holder / Registrasiehouer:

Universal Crop Protection (Pty) Ltd.

Co. Reg. No. / Mpy. Reg. Nr. 1983/008184/07

PO Box / Posbus 801, Kempton Park, 1620

Tel: 011 396 2233

Website / Webblad: www.villacrop.co.za

24 HR EMERGENCY NUMBERS:

Griffon Poison Information Centre: +27 82 446 8946

Villa Crop Protection Emergency number: +27 63 698 0668

24 Hr Transport / Spill emergency no: Envirosure +27 31 205 4918

(Hazcall24) +27 86 044 4411

(Client: Villa Crop Protection)

UN Number: 3082

Willow Set & Print 011 394-4486

GEBRUIKSAANWYSYNGS INGESLUIT

VERWYS NA BESONDERHEDE
GEDRUK OP HOUER/SAK

Date formulated:
Formuleringsdatum:

DIRECTIONS FOR USE ENCLOSED
REFER TO DETAILS PRINTED
ON CONTAINER/BAG

Batch number:
Lotnommer:



CAUTION
VERSIGTIG



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Reg. No. L 10213 Act/Wet No. 36 of/van 1947

FRAC FUNGICIDE GROUP CODE / FRAC SWAMDODER GROEPKODE: 3 + 11

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL:

picoxystrobin (strobilurin) / pikoksistrobien (strobilurien) 150 g/l
 prothioconazole (triazole) / protiokonasool (triasool)..... 100 g/l

Registration holder / Registrasiehouer:

UNIVERSAL CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1983/008184/07 Mpy. Reg. Nr.

P.O. Box / Posbus 801, KEMPTON PARK, 1620

Tel. (011) 396 2233

CAUTION / VERSIGTIG**WARNINGS****Withholding periods:**

Minimum time between the last application and harvest or feeding:	
Barley	50 days
Maize	28 days
Soybeans	28 days
Wheat	35 days
Wheat & Barley (Grazing)	35 days

NOTE

ABOVE-MENTIONED WITHHOLDING PERIODS REFER TO COMPLIANCE WITH LOCAL MAXIMUM RESIDUE LIMITS (MRL'S). HOWEVER, IT IS IMPORTANT TO NOTE THAT IMPORT TOLERANCES OF OTHER COUNTRIES MIGHT POSSIBLY BE EXCEEDED. IF THE TREATED CROP WILL BE EXPORTED, FIRST CONSULT THE RELEVANT IMPORTER OR EXPORTING BODY REGARDING THE USE OF THIS PRODUCT, MRL'S AND RECOMMENDED WITHHOLDING PERIODS.

- Handle with care.
- May be harmful if inhaled, absorbed through skin or swallowed.
- Notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate adjacent areas or crops.
- Very toxic to aquatic life with long-lasting effects. Do not spray over, or allow drift to contaminate adjacent areas of water
- Store away from food, feeds, seed, fertilizers and other agricultural chemicals.
- Store in a cool, dry, well-ventilated place in the original container, tightly closed and secured.
- 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.

Aerial application:

Notify all inhabitants in the immediate vicinity of the lands to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water or adjacent areas.

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

- Avoid inhalation of the spray mist.
- Avoid contact of product with skin and eyes.
- Wear a face shield and rubber gloves when handling the concentrate and during mixing.

- Wash with soap and water after use or accidental skin contact.
- In case of eye contact, immediately flush the eyes with clean, cold water for 15 minutes, holding the eyelid(s) open. If irritation persists, seek medical advice.
- Wash contaminated clothes daily after use.
- Do not eat, drink or smoke whilst applying or mixing, or before washing hands and face or change of clothing.
- Prevent spray drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Clean the spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- **TRIPLE RINSE** empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow draining 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 one third of that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy the empty container by perforation and flattening and dispose of it in a safe way.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

RESISTANCE WARNING

FACULTY TOP 250 SC is a group codes 11+3 fungicide. Any fungus population may contain individuals naturally resistant to **FACULTY TOP 250 SC** and other group code 11 or 3 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **FACULTY TOP 250 SC** or any other group code 11 or 3 fungicide.

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 other control methods (chemical, cultural, biological) into disease control programmes.
- **do not exceed two (2) FACULTY TOP 250 SC treatments per season.**
- **do not apply any other strobilurin related chemicals in the same control programme with FACULTY TOP 250 SC.**

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

Mode of Action:

FACULTY TOP 250 SC is a ready mix of two actives, prothioconazole and picoxystrobin. Prothioconazole is a sterol demethylation inhibitor that affects ergosterol biosynthesis in fungi. It moves systemically in treated plants. Picoxystrobin is a quinone outside inhibitor (QoI) which functions by inhibiting mitochondrial respiration in target fungi by blocking the transfer of electrons at the Qo centre of cytochrome bc1. This active has translaminar acropetal movement in treated plants. The combination of actives in **FACULTY TOP 250 SC** provides protective and curative protection to treated plants.

DIRECTIONS FOR USE: Only use as directed.

Compatibility:

- **FACULTY TOP 250 SC** is compatible with **Link**.
- The compatibility of **FACULTY TOP 250 SC** in tank mixtures with other products has not been confirmed and can be influenced by the formulations involved, as well as the water quality.
- A physical compatibility test of all products involved is recommended, before application, as formulations can be altered, and water quality can vary from area to area.
- Always consult the labels of products to be tank mixed with **FACULTY TOP 250 SC**.

Mixing instructions:

- **Shake the container well before use. Replace cap directly after use.**
- Fill the spray tank to half of the desired volume with clean water and ensure continuous agitation.
- Observe the following formulation mixing sequence if other products will be tank mixed with **FACULTY TOP 250 SC**: buffer/acidifier; wettable powder or granules, suspension concentrate, emulsifiable concentrate, wetters. Pre-mix each product separately with a small volume of water before adding it to the spray tank. Thereafter fill the tank to the required volume with clean water while maintaining agitation, to ensure thorough mixing of the spray mixture, before application commences.
- Ensure continuous agitation during mixing and application.

- The spray mixture must be sprayed immediately after mixing. Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

Application:

- Calibration: It is important to ensure that all application equipment is in good working order and correctly calibrated to apply the required spray volumes and dosage rate. Ensure good coverage by using the spray volumes as indicated.
- Rain: Repeat the application if rain falls within (two) 2 hours after application.

Aerial application:

Aerial application of **FACULTY TOP 250 SC** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- Volume: A spray mixture volume of 30 to 40 litres per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- Droplet coverage: 30 - 40 droplets per cm² must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 280 to 300 micron is recommended. Limit the production of fine droplets less than 150 micron (high drift and evaporation potential) to a minimum.
- Flying height: Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when the aircraft is diving, climbing or when banking.
- Use suitable atomizing equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomizers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.
- Stop spraying if the wind speed exceeds 15 km per hour.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following:
 - a) reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage),
 - b) damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the aerial spray operator knows exactly which fields to spray.

Obtain an assurance from the aerial spray operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

APPLICATION RATES

Crop / Disease	Dosage rate	Remarks
<p>Barley Net blotch (<i>Pyrenophora teres</i>)</p> <p>Leaf spot (<i>Rhynchosporium secalis</i>)</p>	<p>700 ml / ha</p> <p>PLUS</p> <p>Link</p> <p><u>Ground application:</u> 50 ml / 100 l water (0.05 % Link)</p> <p><u>Aerial application:</u> 100 ml / 100 l water (0.1 % Link)</p>	<p>The first product application must be applied STRICTLY PREVENTATIVE before any symptoms are noticed.</p> <p>Apply the first application not later than the 7-leaf stage.</p> <p>Apply a second application 3 to 4 weeks later if disease pressure is evident (normally at flag leaf stage before appearance of the head).</p> <p><u>Ground application:</u> Apply in 200 to 400 litres of water per hectare.</p> <p><u>Aerial application:</u> Apply in 30 to 40 litres of water per hectare. Refer to “Aerial application Instructions” above”.</p>
<p>Maize & Sweet Corn Grey leaf spot (<i>Cercospora zeae-maydis</i>)</p> <p>Northern leaf blight (<i>Exserohilum turcicum</i> / <i>Setosphaeria turcica</i>)</p> <p>Rust (<i>Puccinia sorghi</i>)</p>	<p>700 ml / ha (20 ml / 10 l water)</p> <p>PLUS</p> <p>Link</p> <p>50 ml / 100 l water (5 ml / 10 l water) (0.05 % Link)</p> <p><u>Hand-held Spinning disc applicator:</u> 700 ml / ha (100 ml / 10 l water)</p> <p>PLUS</p> <p>Link</p> <p>50 ml / 100 l water (5 ml / 10 l water) (0.05 % Link)</p> <p><u>Aerial Application</u> 700 ml / ha</p> <p>PLUS</p> <p>Link</p> <p>100 ml / 100 l water (0.1 % Link)</p> <p><u>Row application:</u> 235 ml / 100 l water</p> <p>PLUS</p> <p>Link</p> <p>100 ml / 100 l water (0.1 % Link)</p>	<p>FACULTY TOP 250 SC IS RECOMMENDED IN AN INTEGRATED DISEASE MANAGEMENT PROGRAMME. IN ORDER TO ACHIEVE CONSISTENT AND RELIABLE DISEASE CONTROL, PREVENTIVE FUNGICIDE APPLICATIONS ARE CRITICALLY IMPORTANT.</p> <p>Apply the first application of FACULTY TOP 250 SC at the 4 to 6 leaf stage before any disease symptoms are noticed.</p> <p>A second application of FACULTY TOP 250 SC is recommended 3-weeks later.</p> <p>Under continued high disease pressure conditions, a third application with Flusilazim 375 SC is recommended, 3 to 4 weeks later.</p> <p>In certain areas/conditions, where low disease presence is expected, apply a single application of FACULTY TOP 250 SC at the 4 to 6 leaf stage. If extended disease control is required, revert back to the above mentioned, follow-up application of FACULTY TOP 250 SC.</p> <p><u>Ground application:</u> Apply as a full cover spray in 250 to 500 litres water per hectare.</p> <p><u>Hand-held Spinning disc applicator:</u> Apply 50 to 70 litres water per hectare.</p> <p><u>Aerial application:</u> Apply in 30 to 40 litres water per hectare. Refer to “Aerial application Instructions” above”</p> <p>Consult the label of FACULTY TOP 250 SC for “USE RESTRICTIONS, WARNINGS (including RESISTANCE WARNINGS), PRECAUTIONS and DIRECTIONS FOR USE”.</p>

Crop / Disease	Dosage rate	Remarks
<p>Soybeans Soybean rust (<i>Phakopsora pachyrhizi</i>)</p>	<p>500 ml / ha (12.5 ml / 10 l water)</p> <p>PLUS</p> <p>Link</p> <p><u>Ground application:</u> 50 ml / 100 l water (5 ml / 10 l water) (0.05 % Link)</p> <p><u>Aerial application:</u> 500 ml / ha PLUS Link 100 ml / 100 l water (0.1 % Link)</p>	<p>FACULTY TOP 250 SC IS RECOMMENDED IN AN INTEGRATED DISEASE MANAGEMENT PROGRAMME. IN ORDER TO ACHIEVE CONSISTENT AND RELIABLE DISEASE CONTROL, PREVENTIVE FUNGICIDE APPLICATIONS ARE CRITICALLY IMPORTANT.</p> <p>Apply the first application of FACULTY TOP 250 SC at the onset of flowering before any disease symptoms are noticed.</p> <p>A second application of FACULTY TOP 250 SC is recommended 3 to 4 weeks later. Under expected high disease pressure conditions, a 3-weekly spray interval is recommended.</p> <p><u>Ground application:</u> Apply as a full cover spray in 300 to 500 litres water per hectare.</p> <p><u>Aerial application:</u> Apply in 30 to 40 litres water per hectare. Refer to “Aerial application Instructions” above”.</p> <p>Consult the label of FACULTY TOP 250 SC for “USE RESTRICTIONS, WARNINGS (including RESISTANCE WARNINGS), PRECAUTIONS and DIRECTIONS FOR USE”.</p>
<p>Wheat Brown rust (<i>Puccinia triticina</i>)</p> <p>Eye spot (<i>Helgardia herpotrichoides</i>)</p> <p>Powdery mildew (<i>Blumeria graminis tritici</i>)</p>	<p>700 ml / ha</p> <p>PLUS</p> <p>Link</p> <p><u>Ground application:</u> 50 ml / 100 l water (0.05 % Link)</p> <p><u>Aerial application:</u> 100 ml / 100 l water (0.1 % Link)</p>	<p>The first product application must be applied STRICTLY PREVENTATIVE before any symptoms are noticed.</p> <p>Apply the first application between the 5 and 7 leaf stage.</p> <p>Apply a second application 3 to 4 weeks later if disease pressure is evident (normally at flag leaf stage before appearance of the head).</p> <p><u>Ground application:</u> Apply in 200 to 300 litres of water per hectare.</p> <p><u>Aerial application:</u> Apply in 30 to 40 litres of water per hectare. Refer to “Aerial application Instructions” above.</p>

Consult the **Link** and **Flusilazim 375 SC** labels for **USE RESTRICTIONS, WARNINGS (including RESISTANCE WARNINGS), PRECAUTIONS and DIRECTIONS FOR USE**.

The following products mentioned in this label can be replaced with the following equivalent products:

- **LINK** (L 8675) = **DIRECT** (L 8680) = **SOLWET** (L 8679) and
- **SPARTA 375 SC** (L 8403 / N-AR 1340) = **FLUSILAZIM 375 SC** (L 8400 / W 130493) = **FLUSICARB 375 SC** (L 9409) (**Flusilazole + Carbendazim**)

LINK, DIRECT and/en **SPARTA 375 SC** are registered products of / is geregistreerde produkte van **VILLA CROP PROTECTION (PTY) LTD.**

FLUSILAZIM 375 SC is a registered product of / is 'n geregistreerde produkt van
UNIVERSAL CROP PROTECTION (PTY) LTD.

SOLWET is a registered product of / is 'n geregistreerde produk van
SPECTRUM RESEARCH SERVICES.

FLUSICARB 375 SC is a registered product of / is 'n geregistreerde produk van
CROP ASURE (PTY) LTD.