DIRECTIONS FOR USE ENCLOSED Batch Number:

Fungicide



FACULTY TOP 250 SC

Reg. No. L 10213 Act No. 36 of 1947

6: 17/1/2023 - May2023

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

ACTIVE INGREDIENTS

picoxystrobin (strobilurin) prothioconazole (triazole)

150 g/*l* 100 g/*l*

GROUP

3;11

FUNGICIDE



Hazard Statement:

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

Precautionary Statements:

Avoid breathing dust, fumes, mists, gas, vapours or spray.

Avoid release into the environment



Registration holder: UNIVERSAL CROP PROTECTION (PTY) LTD. Co. Reg. No. 1983/008184/07 PO Box 801, Kempton Park, 1620 Tel. (011) 396 2233

Website: www.villacrop.co.za

24 HR EMERGENCY NUMBERS:

Griffon Poison Centre: +27 82 446 8946 24 HR Transport / Spill Emergency no: (Hazcall24) +27 86 044 4411 (Client: Villa Crop Protection)

FACULTY TOP 250 SC

Reg. No. L 10213 Act No. 36 of 1947 FRAC FUNGICIDE GROUP CODE: 3 + 11

ACTIVE INGREDIENTS:

Registration holder:

UNIVERSAL CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1983/008184/07 P.O. Box 801, KEMPTON PARK, 1620 Tel. (011) 396 2233

WARNINGS

Withholding periods:

Minimum time between the last application and harvest or feeding:	
Barley	50 days
Canola	42 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.

Hazard statements:

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

- 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.
- 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.

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PRECAUTIONS

Precautionary statements:

Avoid breathing dust, fumes, mists, gas, vapours or spray.

Wash hands thoroughly after handling. Do not touch eyes.

Contaminated work clothing should not be allowed out of the workplace.

Avoid release into the environment.

Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.

IF ON SKIN: Wash with plenty of water and non-abrasive soap.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

See label for specific treatment.

If skin irritation or rash occurs: Get medical help.

If eye irritation persists: Get medical help.

Collect spillage.

Dispose of contents/container in accordance with local regulations.

- Avoid contact of product with skin and eyes.
- 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 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 (3) 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.

Relevant hazardous components		
Picoxystrobin	150 g/ℓ	
Prothioconazole	100 g/ℓ	
Ethoxylated fatty alcohol	<10 g/ℓ	
Ethylene glycol	<100 g/ℓ	
1,2-benzisothioaxolin-3-one	<10 g/ℓ	

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 use in a tank mixture 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 cyctochrome

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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/Direct.
- 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 used in a tank mixture with FACULTY TOP 250 SC.

FIRST AID TREATMENT:

Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure.

- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
- **Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Obtain medical attention if irritation persists.
- **Eyes:** Flush eyes with clean water. Lift eyelids to facilitate irrigation. If present, remove contact lenses and continue rinsing. Seek medical attention if irritation persists.
- **Ingestion:** Seek medical attention or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.
- Advice to physician: Treat symptomatically and supportively. No specific antidote known.

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 used in a tank mixture 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:

- <u>Calibration:</u> 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:

- <u>Volume</u>: 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.
- <u>Droplet coverage</u>: 30 40 droplets per cm² must be recovered at the target area.
- <u>Droplet size</u>: 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.

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- <u>Flying height</u>: 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 <u>atomizing equipment</u> 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 <u>temperature</u> between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.
- Stop spraying if the <u>wind speed</u> exceeds 15 km per hour.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature <u>inversion conditions</u> (spraying in or above the inversion layer) and/or <u>high</u> 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.

Post Spray Equipment Cleaning

It is essential to rinse the spray tank and all hoses with a 0.1 % solution of either calcium chloride or ammonium hydroxide or the recommended rate of **Protank® liquid cleaner** according to the product label. Allow this solution to stand in the spray equipment for 15 minutes; empty the spray equipment; repeat the rinsing with a 0.1 % solution of calcium chloride or ammonium hydroxide for 15 minutes; rinse all equipment with water. Nozzles and fitters must be cleaned individually. Rinse water and solution should be drained in a cesspool or drain where it will not contaminate any water source.

APPLICATION RATES

Crop / Disease	Dosage rate	Remarks
Barley Net blotch (Pyrenophora teres)		The first product application must be applied STRICTLY PREVENTATIVELY before any symptoms are noticed.
Leaf spot (Rhynchosporium secalis) Leaf rust (Puccinia hordei)	700 mℓ / ha (35 mℓ / 10 ℓ water) PLUS	Apply the first application not later than the 7-leaf stage. Apply a second application 3 to 4 weeks later if disease pressure is evident (normally at flag leaf stage before appearance of the head).
Powdery Mildew (<i>Blumeria graminis</i>) Ramularia leaf spot	Link <u>Ground application:</u> 50 mℓ / 100 ℓ water (5 mℓ / 10 ℓ water) (0.05 % Link)	Ground application: Apply in 200 to 400 litres of water per hectare or 2 litres of water per 100 m². Aerial application: Apply in 30 to 40 litres of water per hectare. Refer
(Ramularia collo -cygni)	Aerial application: 100 mℓ / 100 ℓ water 10 mℓ / 10 ℓ water) (0.1 % Link)	to "Aerial application Instructions" above". For the control of Ramularia leaf spot, a programme application is recommended in combination with Mission 720 SC.
	(3.1 /3 Link)	Consult the Mission 720 SC label for USE RESTRICTIONS, WARNINGS (including RESISTANCE WARNINGS), PRECAUTIONS and DIRECTIONS FOR USE.

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Crop / Disease	Dosage rate	Remarks
Canola Blackleg	FACULTY TOP 250 SC IS RECOMMENDED IN AN INTEGRATED DISEASE MANAGEMENT PROGRAMME. Do not apply more than two (2) applications of FACULTY TOP 250 SC per season.	
(Leptosphaeria maculans)	700 m/ ha (70 m/ 10 / water) PLUS Link Ground application: 50 m/ 100 / water (5 m/ 10 / water)	Apply the first application not later than the 4 to 6 leaf stage (BBCH 14 – 16). Apply a second application at green bud stage (BBCH 51). The first product application must be applied STRICTLY PREVENTATIVELY before any symptoms are noticed. Ground application: Apply in 100 to 300 litres of water per hectare or 1 litre of water per 100 m². Ensure full coverage of the whole plant. Water volume/hectare depends
	(0.05 % Link) Aerial application: 100 me / 100 e water (10 me / 10 e water) (0.1 % Link)	on the growth stage and density of the canopy. Aerial application: Apply in 30 to 40 litres of water per hectare. Refer to "Aerial application Instructions" above". Refer to WARNINGS (including RESISTANCE WARNINGS), PRECAUTIONS and DIRECTIONS FOR USE.
Sclerotinia stem rot (Sclerotinia sclerotiorum)	700 m/ ha (70 m/ 10 / water) PLUS Link Ground application: 50 m/ 100 / water (5 m/ 10 / water) (0.05 % Link)	Apply one preventive application at 20 % to 30 % flowering (BBCH 62 to 63) of the crop. Ground application: Apply in 100 to 300 litres of water per hectare 1 litre of water per 100 m². Ensure full coverage of the whole plant. Water volume/hectare depends on the growth stage and density of the canopy. Aerial application: Apply in 30 to 40 litres of water per hectare. Refer to "Aerial application Instructions" above".
	Aerial application: 100 mℓ / 100 ℓ water (10 mℓ / 10 ℓ water) (0.1 % Link)	Refer to WARNINGS (including RESISTANCE WARNINGS), PRECAUTIONS and DIRECTIONS FOR USE.

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Crop / Disease	Dosage rate	Remarks
Maize & Sweet Corn Grey leaf spot	700 mℓ / ha (20 mℓ / 10 ℓ water)	FACULTY TOP 250 SC IS RECOMMENDED IN AN INTEGRATED DISEASE MANAGEMENT
(Cercospora zeae- maydis)	PLUS	PROGRAMME. IN ORDER TO ACHIEVE CONSISTENT AND RELIABLE DISEASE CONTROL, PREVENTIVE FUNGICIDE
Northern leaf blight (Exserohilum	Link 50 m <i>ℓ</i> / 100 <i>ℓ</i> water	APPLICATIONS ARE CRITICALLY IMPORTANT.
turcicum / Setosphearia turcica)	(5 mℓ / 10 ℓ water) (0.05 % Link)	Apply the first application of FACULTY TOP 250 SC at the 4 to 6 leaf stage before any disease symptoms are noticed.
Rust (<i>Puccinia sorghi</i>)	Hand-held Spinning disc applicator: 700 mℓ / ha	A second application of FACULTY TOP 250 SC is recommended 3-weeks later. Under continued high disease pressure conditions,
	(100 mℓ / 10 ℓ water)	a third application with Flusilazim 375 SC is recommended, 3 to 4 weeks later .
	PLUS Link 50 mℓ / 100 ℓ water (5 mℓ / 10 ℓ water) (0.05 % Link)	In certain areas/conditions, where low disease presence is expected, apply a single application of FACULTY TOP 250 SC at the <u>4 to 6 leaf stage</u> . If extended disease control is required, revert back to the above mentioned, follow-up application of FACULTY TOP 250 SC .
	<u>Aerial Application</u> 700 mℓ / ha PLUS Link	Ground application: Apply as a full cover spray in 250 to 500 litres water per hectare.
	100 mℓ / 100 ℓ water (0.1 % Link)	Hand-held Spinning disc applicator: Apply 50 to 70 litres water per hectare.
	Row application: 235 mℓ / 100 ℓ water	Aerial application: Apply in 30 to 40 litres water per hectare. Refer to "Aerial application Instructions" above"
	PLUS	Consult the label of FACULTY 250 TOP SC for
	Link 100 mℓ / 100 ℓ water (0.1 % Link)	"USE RESTRICTIONS, WARNINGS (including RESISTANCE WARNINGS), PRECAUTIONS and DIRECTIONS FOR USE".

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Crop / Disease	Dosage rate	Remarks
Soybeans Soybean rust (Phakopsora pachyrhizi)	500 mℓ / ha (12.5 mℓ / 10 ℓ water)	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.
	PLUS Link	Apply the first application of FACULTY TOP 250 SC at the <u>onset of flowering</u> before any disease symptoms are noticed.
	Ground application: 50 mℓ / 100 ℓ water (5 mℓ / 10 ℓ water) (0.05 % Link)	A second application of FACULTY TOP 250 SC is recommended <u>3 to 4 weeks later</u> . Under expected high disease pressure conditions, a 3-weekly spray interval is recommended.
	Aerial application: 500 mℓ / ha PLUS Link 100 mℓ / 100 ℓ water	Ground application: Apply as a full cover spray in 300 to 500 litres water per hectare. Aerial application: Apply in 30 to 40 litres water per hectare. Refer to "Aerial application Instructions" above".
	(0.1 % Link)	Consult the label of FACULTY TOP 250 SC for "USE RESTRICTIONS, WARNINGS (including RESISTANCE WARNINGS), PRECAUTIONS and DIRECTIONS FOR USE".
Wheat Brown rust (Puccinia triticina)		The first product application must be applied STRICTLY PREVENTATIVELY before any symptoms are noticed.
Powdery mildew (Blumeria graminis tritici) Stem Rust	500 to 700 mℓ / ha (25 to 35 mℓ / 10 ℓ water) PLUS	Apply the first application between the 5 and 7-leaf stage. Apply a second application 3 to 4 weeks later if disease pressure is evident (normally at flag leaf stage before appearance of the head).
(Puccinia graminis) Speckled leaf and Glume blotch (Septoria spp.) Yellow rust (Puccinia striiformis)	Link Ground application: 50 me / 100 e water (5 me / 10 e water) (0.05 % Link) Aerial application: 100 me / 100 e water (10 me / 10 e water)	 The higher rate of 700 mℓ per hectare MUST BE APPLIED under the following conditions: When high disease pressure is evident or when climatic conditions are conducive to disease development; On cultivars that are known to be very prone to leaf and kernel diseases. If Eye spot develops (refer to the recommendation below).
	(0.1 % Link)	Ground application: Apply in 200 to 300 litres of water per hectare 2 litres of water per 100 m². Aerial application: Apply in 30 to 40 litres of water per hectare. Refer to "Aerial application Instructions" above.

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Crop / Disease	Dosage rate	Remarks
Wheat (cont.) Eye spot	700 mℓ / ha (35 mℓ / 10 ℓ water)	The first product application must be applied STRICTLY PREVENTATIVELY before any
(Helgardia herpotrichoides)	PLUS	symptoms are noticed.
	Link Ground application: 50 mℓ / 100 ℓ water	Apply the first application between the 5 and 7-leaf stage. Apply a second application 3 to 4 weeks later if disease pressure is evident (normally at flag leaf stage before appearance of the head).
	(5 mℓ / 10 ℓ water) (0.05 % Link) <u>Aerial application:</u> 100 mℓ / 100 ℓ water (10 mℓ / 10 ℓ water)	Ground application: Apply in 200 to 300 litres of water per hectare 2 litres of water per 100 m². Aerial application: Apply in 30 to 40 litres of water per hectare. Refer

Consult the Mission 720 SC, Link and Flusilazim 375 SC labels for USE RESTRICTIONS, WARNINGS (including RESISTANCE WARNINGS), PRECAUTIONS and DIRECTIONS FOR USE.

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

- LINK (L 8675) = DIRECT (L 8680) = SOLWET (L 8679),
- MISSION 720 SC (L 8432 / N-AR 1298 / W1301395) = ORONIL 720 SC (L 8431) = (Chlorothalonil) and
- FLUSILAZIM 375 SC (L 8400 / W 130493) = SPARTA 375 SC (L 8403 / N-AR 1340) (Flusilazole + Carbendazim).

SPARTA 375 SC, MISSION 720 SC and DIRECT are registered products of VILLA CROP PROTECTION (PTY) LTD.

LINK, ORONIL 720 SC and FLUSILAZIM 375 SC are registered products of UNIVERSAL CROP PROTECTION (PTY) LTD.

SOLWET is a registered product of **SPECTRUM RESEARCH SERVICES**.

PROTANK® LIQUID CLEANER is a registered trademark of WINFIELD SOLUTIONS REGISTRATION HOLDINGS (PTY) LTD.

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