



syngenta.

Reg. No. **L5132** Act No. 36 of 1947 **N-AR 0722** (Namibia) **W130330** (Botswana)

An emulsifiable concentrate systemic fungicide for the control of diseases on crops as indicated.

GROUP 3 FUNGICIDE

Active Ingredient:
difenoconazole (triazole)..... 250 g/l

Product names marked ® or ™, the ALLIANCE FRAME, the SYNGENTA Logo and the PURPOSE ICON are Trademarks of a Syngenta Group Company



DANGER

Hazard statements: May be fatal if swallowed and enters airways. Causes serious eye irritation. Very toxic to aquatic life with long-lasting effects.

Precautionary statements: Keep out of reach of children. Wash hands and face thoroughly after handling. **Prevention:** Do not eat, drink, or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. **Response:** If swallowed, immediately call a POISON CENTRE/doctor. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do NOT induce vomiting. If eye irritation persists, get medical advice/attention. **Storage:** Store locked-up. **Disposal:** Dispose of contents/container in accordance with local regulation.

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UN 3082

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1. WARNINGS:

Hazard statements: May be fatal if swallowed and enters airways. Causes serious eye irritation. Very toxic to aquatic life with long-lasting effects.

Withholding periods: Minimum number of days between last application and harvest (feeding).

APPLES AND PEARS	14 days
BEANS	14 days
CANOLA	30 days
CARROTS	7 days
CITRUS	90 days
GRAPES	28 days
GROUNDNUTS (Fodder).....	21 days
MAIZE	14 days
POTATOES	7 days
SOYBEANS	18 days
TOMATOES	7 days
TREE NUTS (Almonds, cashew, chestnut, hazelnut, macadamia, pecan, pistachio and walnut).....	45 days

NOTE: Compliance with these withholding periods will ensure that residues do not exceed local maximum residue limits (MRL), but the import tolerances of other countries might possibly be exceeded. If the crop to be treated is intended for export, consult the relevant importer or exporting body regarding the use of this product, MRL's and recommended withholding periods.

- Do not graze or use treated maize as fodder.
- Harmful if swallowed, inhaled, or absorbed through the skin. May irritate respiratory system and cause sensitisation of skin. May cause serious damage to eyes.
- Toxic to fish and other aquatic organisms.
- Prevent water contamination.
- **Flammable:** Do not store or use near open flame.
- Store in original, tightly closed containers away from sun and damp in a well-ventilated area.
- Avoid storage temperatures below 10°C and above 35°C.
- Store away from food and feed.
- 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 area 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 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 weed 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 and the environment, or harm to people or animals 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, that could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

2. PRECAUTIONS:

Precautionary statements: Keep out of reach of children. Wash hands and face thoroughly after handling. **Prevention:** Do not eat, drink, or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. **Response:** If swallowed, immediately call a POISON CENTRE/doctor. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do NOT induce vomiting. If eye irritation persists, get medical advice/attention. **Storage:** Store locked-up. **Disposal:** Dispose of contents/container in accordance with local regulation.

- Do not inhale the spray mist.
- Avoid contact with skin and eyes.
- Wear rubber gloves and a face shield when handling concentrate.
- Wash with soap and water after use.
- Wash contaminated clothing after use.

- Do not eat, drink, or smoke while mixing or applying the product or before washing hands and face.
- Prevent drift of spray mist onto other crops, pastures, rivers, dams and areas not under treatment.
- Clean applicator after use. Dispose of rinsate where it will not contaminate crops, pastures, rivers, dams and boreholes.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Rinse the container three (3) times with a volume of clean water equal to a minimum of 10% of the container. Add the rinsate to the contents of the spray tank before destroying the empty container in the prescribed manner.
- Do not use the empty container for any other purpose.

3. RELEVANT SUBSTANCES:

Chemical name	
hydrocarbons, C10 - C13, aromatics, < 1% naphthalene	
Classification	Concentration (% w/w)
Asp. Tox. 1; H304 Aquatic Chronic 2; H411	≥ 50 - < 70

4. RESISTANCE MANAGEMENT:

SCORE is a group code 3 fungicide. Any fungus population may contain individuals naturally resistant to **SCORE** or any other group code 3 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly and exclusively in programs. **SCORE** may not control these resistant fungi or any other group code 3 fungicides.

To avoid 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.
- Refer to individual product labels when alternating products or when using tank mixtures with products in fungicide group codes 7, 27, 28, 29, 30 and M.
- Integrate other control methods (chemical, cultural, biological) into disease control programs.

For specific information on resistance management contact the registration holder of this product (Syngenta South Africa) or visit the FRAC website at <http://www.frac.info/frac/index.html>.

5. USE RESTRICTIONS:

The uptake and activity of systemic compounds may be reduced when crops are under any form of stress e.g., fertility stress conditions. It is therefore not advisable to apply **SCORE** during such periods. If in doubt, consult a representative of Syngenta or distributor.

Spray programs with **SCORE** should be preventative unless mentioned otherwise.

As an anti-resistance strategy, it is not recommended to apply SCORE (or related fungicides) exclusively for prolonged periods during the season.

6. GENERAL PROPERTIES:

SCORE is a local systemic fungicide with limited acropetal movement. When applied in a protective spray program **SCORE** effectively controls **brown rust** (*Uromyces appendiculatus*) in beans; **early leaf spot** (*Cercospora arachidicola*), **late leaf spot** (*Cercosporidium personatum*), **web blotch** (*Phoma arachidicola*) and **rust** (*Puccinia arachidis*) in groundnuts; **early blight** (*Alternaria solani*) in potatoes and tomatoes; **grey leaf spot** (*C. zeae-maydis*) and **northern leaf blight** (*Helminthosporium turcicum*) in maize; **navel-end-rot/black core rot** (*A. citri*) and **brown spot** (*A. alternata*) in citrus; **apple scab** (*Venturia inaequalis*) in apples; **pear scab** (*V. pirina*) in pears, **powdery mildew** (*Oidium tuckerii*) in grapes, **leaf blight** (*A. dauci* or *C. carotae*) in carrots, **husk spot** (*Pseudocercospora macadamiae*) in tree nuts; **leaf and pod spots** (*Alternaria* spp.) and **stem canker** (*Phoma lingam*) in canola; **soybean rust** (*Phakopsora pachyrhizi*) in soybeans as well as **rust** and **leaf spot diseases** of ornamentals (protea).

7. DIRECTIONS FOR USE: Use only as indicated.

7.1 Compatibility

The compatibility of **SCORE** with other products may be influenced by the formulation of the products involved as well as the quality of the water. Since the formulation of other products may change without the knowledge of Syngenta and the quality of water may vary from farm to farm, a physical compatibility test should always be carried out prior to application.

SCORE is compatible with commonly used fungicides, insecticides and foliar feeds normally used on the various crops for which **SCORE** is registered. In potatoes, **SCORE** has also been successfully tank mixed with abamectin, captab, BRAVO® 720 (L7005), mancozeb, PATRON® 75 WG (L3035), RIDOMIL GOLD® PEPITE (L7191), RIDOMIL GOLD® FLO (L6669) and SELECRON® 500 EC (L3113).

7.2 Mixing Instructions

Replace cap after pouring.

- Add the required amount of **SCORE** to the water in the spray tank.
- Stir constantly while mixing.
- When a wettable powder is sprayed as a tank mix with **SCORE**, the wettable powder should be mixed first and well-agitated after which the **SCORE** is added and the spray tank filled to its final volume.
- Ensure thorough agitation of the mixture in the spray tank during mixing and spraying.
- Spray mixtures must be sprayed out immediately and not allowed to stand in the spray tank.

7.3 Application Techniques

7.3.1 Ground application

SCORE may be applied using conventional high volume spray equipment. Nozzles should be fitted with tips giving medium to fine droplets. Calibrate the apparatus before application to ensure that the correct dosage rate per hectare is applied. The distribution of the spray mixture should be uniform throughout the target area.

7.3.2 Aerial application

Aerial application of this product may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS 10118 (Aerial Application of Agricultural Remedies). It is important to 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:

a) Application parameters:

- **Volume:** A volume of 30 ℓ/ha 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 the product is applied aerially at a lower volume rate than recommended above.
- **Droplet coverage:** Droplet coverage of 25 - 35 droplets per cm² must be recovered at the target.
- **Droplet size:** A droplet spectrum with a VMD of 280 - 300 microns is recommended. Ensure that the production of fine droplets (less than 150 microns - high drift and evaporation potential) is restricted to a minimum.
- **Flying height:** The height of the spray boom should be maintained at 3 - 4 meters above the target. Do not spray when aircraft is in a climb, at the top, during a dive, or when banking.

b) Equipment:

- Use suitable atomising equipment (hydraulic nozzles or rotary atomisers) that will produce the desired droplet size and coverage but which will ensure the minimum loss of product either through endodrift (within target field) or exodrift (outside target field).
- The operator must use a set-up that will produce a droplet spectrum with the lowest possible relative span.
- All nozzles/atomisers should be positioned within the inner 60 - 75% of the wingspan to prevent droplets from entering the wingtip vortices.

c) Meteorological conditions:

- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C. The addition of a suitable anti-evaporant is recommended if the VMD of the droplets is less than 200 - 250 microns.
- Stop spraying if the wind speed exceeds 15 km/h.
- Aerial application of this product must not be done under turbulent, unstable conditions during the heat of the day when rising thermals and downdraughts occur.
- Also note that the application of this product under temperature inversion conditions (spraying in or above the inversion layer) may lead to the following:
 - Reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - Damage to other sensitive crops and or non-target areas through the movement of the suspended spray cloud away from the target field.

It is important to obtain assurance from the aerial spray operator that the above requirements are met.

7.4 Application Rates

APPLES AND PEARS

Disease	Dosage rate
Scab (<i>Venturia inaequalis</i>)	High volume 6 mℓ SCORE plus 100 mℓ captab 500 SC or mancozeb (75 WG at a rate of 75 g)/100ℓ water

Remarks

- Apply **SCORE** in a programmed spray schedule as a full-cover spray to the point of run-off or in a concentrated form (4x).

DEVELOPMENT STAGE

From green tip and throughout the pre-blossom period

- Apply **SCORE** at 7-day intervals.

During post-blossom period

- Apply **SCORE** at 10 - 14-day intervals.
- Captab or mancozeb may be substituted with other suitable broad spectrum contact fungicides.
- **SCORE** is recommended in a protective spray program in areas where and during periods when conditions are favourable for the development of scab. During December it is recommended to change to a protective **contact fungicide spray program**.
- When a protective **contact fungicide spray program** is followed, **SCORE** should be applied as a curative treatment within four (4) days of the start of an infection period. In such situations use 10 mℓ **SCORE** plus **100 mℓ captab 500 SC or 75 g mancozeb (75 WG) per 100 ℓ water**. Curative applications are only recommended when adequate and reliable disease prediction systems are followed.

HIGH-VOLUME

- The water volume to be applied per hectare must be calculated according to the tree row volume (TRV) formula*:

$$\ell/\text{ha} = \frac{\text{tree height} \times \text{tree diameter} \times 937}{\text{row width}}$$

- This is the water volume required when the trees are in full leaf.
- Use the water volume required per hectare to calculate the amount of **SCORE** required per hectare.

*Unrath, C.R. (2002). Spray Volume, Canopy Density and Other Factors Involved in Thinner Efficacy. HortScience 37 (3). p. 481 - 483.

The following water requirements per hectare are recommended according to the different growth stages of the tree:

Growth stage	% HV - Water requirements/ha
From green tip to ± 30% blossom	60%
From ± full blossom to ± mid-November	80%
From ± beginning of December	100%

LOW VOLUME (4X)

- When **SCORE** is applied as a low volume spray, ensure that the correct amount of product is applied per hectare.

BEANS

Disease	Dosage rate
Brown rust (<i>Uromyces appendiculatus</i>)	Ground application 250 ml/ha every 10 - 14 days or 325 ml/ha every 18 - 21 days (dry beans) Aerial application 300 ml/ha every 10 - 14 days (dry beans) Add 100 ml/ha COMPLEMENT SUPER
Remarks <ul style="list-style-type: none"> Apply in a protective spray program. Commence applications at the start of flowering or sooner on highly susceptible cultivars, or at the first signs of disease. Treatments should be applied during periods of active plant growth and the program should be continued until plants start to senesce. 	

CANOLA

Disease	Dosage rate
Leaf and pod spots (<i>Alternaria</i> spp.) Stem canker (<i>Phoma lingam</i>)	Ground application 500 ml/ha
Remarks <ul style="list-style-type: none"> Apply in a protective spray program. For leaf and pod spot control, commence application at the end of flowering or at the first signs of disease. For stem canker control, apply after the four (4) expanded true leaf stage when disease symptoms first occur. Repeat if foliar disease symptoms develop again. DO NOT apply more than two (2) sprays per season. 	

CARROTS

Disease	Dosage rate
Leaf blight (<i>Alternaria dauci</i> and <i>Cercospora carotae</i>)	Ground application 300 ml/ha or 500 ml/ha
Remarks <ul style="list-style-type: none"> Use in a protective program commencing before disease occurs. Limit the use of group 3 fungicides to periods when conditions favour disease development. Apply the 300 ml/ha rate at 7-day intervals and the 500 ml/ha rate at 10 - 14-day intervals. Use the 500 ml/ha rate when conditions favour high disease pressure. Apply no more than two (2) consecutive sprays of SCORE alone, then apply a recommended non-group 3 fungicide or tank mix SCORE with a recommended protective fungicide for at least one (1) application before continuing with SCORE alone. Good crop hygiene will aid disease control. DO NOT apply more than six (6) applications of SCORE per season. The effect of SCORE could be diminished if rain falls within two (2) hours of application. 	

CITRUS

(Navels, clementine and mandarin)

Disease	Dosage rate
Navel-end-rot/Black core rot (<i>Alternaria citri</i>) Mandarin: Brown Spot (<i>Alternaria alternata</i>)	Ground application 40 - 60 ml/100 l water Ground application plus 200 g/100 l water mancozeb 80 WP
Remarks <ul style="list-style-type: none"> Apply twice. The first application at 50% petal drop and the second at 100% petal drop (when all the petals on the trees in the orchard have dropped). Apply as a medium-cover spray (± 20 l spray volume/tree, depending on tree size). Use the higher rate on orchards having a history of <i>Alternaria</i>. Do not apply additional applications after 100% petal fall. Do not apply more than 3 l/ha SCORE per season. The two (2) SCORE applications are part of a season-long control strategy for brown spot (<i>Alternaria alternata</i>) control. 	

GROUNDNUTS

Disease	Dosage rate
Early leaf spot (<i>Cercospora arachidicola</i>) Late leaf spot (<i>Cercospora personatum</i>) Web blotch (<i>Phoma arachidicola</i>) Rust (<i>Puccinia arachidis</i>)	Ground application Dry land: 200 ml or 300 ml/ha Irrigation: 300 ml/ha or 400 ml/ha Aerial application Apply 350 ml/ha Add 100 ml/ha COMPLEMENT SUPER
Remarks <ul style="list-style-type: none"> Commence application at the first signs of disease. Ground application Dry land: <ul style="list-style-type: none"> Apply 300 ml/ha for the first application and repeat every 10 - 14 days using 200 ml/ha, or apply 325 ml/ha every 18 - 21 days. Irrigation: <ul style="list-style-type: none"> Apply 300 ml/ha every 10 - 14 days or 400 ml/ha every 18 - 21 days. Apply in a protective spray program. Commence applications at the start of flowering (10 - 12 weeks after planting) or earlier, if the disease(s) starts to develop. Aerial application <ul style="list-style-type: none"> Apply 350 ml/ha every 14 - 21 days on dry land crops and every 10 - 14 days on irrigated crops. Aerial applications are recommended as an emergency measure when conditions are unfavourable for ground application. All spray programs should continue until the plants start to senesce naturally.	

MAIZE AND SWEETCORN

Disease	Dosage rate
Grey leaf spot (<i>Cercospora zeae-maydis</i>) Northern leaf blight (<i>Exserohilum turcicum</i>)	Aerial application 300 mℓ/ha
Remarks Grey leaf spot: Commence spraying when disease is present on the basal (bottom) leaves and before symptoms show on the three leaves immediately below cob and before symptoms exceed 2% of the leaf area. Repeat applications may be necessary 14 - 21 days later. Northern leaf blight: Commence spraying at first signs of disease and before 2% of leaf area are infected with disease. Repeat sprays should be made 14 - 21 days later.	

ORNAMENTALS

(Including carnation, gladiolus, hypericum flowers, iris and roses)

Disease	Dosage rate
Leaf spots (<i>Mycosphaerella</i> spp.) Rusts (<i>Uromyces</i> spp.) (<i>Puccinia</i> spp.)	Ground application 500 mℓ/ha
Remarks <ul style="list-style-type: none"> Commence applications when conditions favour disease development or at the first signs of disease development. Repeat applications should be made at 7 - 14-day intervals. Use the shorter interval when high disease pressure is expected. 	

POTATOES

Disease	Dosage rate
Early blight (<i>Alternaria solani</i>)	Ground and aerial application 350 - 500 mℓ/ha Add 100 mℓ/ha COMPLEMENT SUPER
Remarks <ul style="list-style-type: none"> Apply in a protective spray program at 7 - 14-day intervals. Commence applications immediately before flowering or earlier if the disease starts to develop, and continue until the plants start to senesce (end of flower drop). Use the higher rate when conditions favour disease development. Do not apply more than two (2) consecutive sprays with SCORE alone before alternating with fungicides with a different mode of action. 	

SOYBEANS

Disease	Dosage rate
Soybean rust (<i>Phakopsora pachyrhizi</i>)	Ground application 325 mℓ/ha
Remarks <ul style="list-style-type: none"> Apply at first signs of disease and repeat 14 - 21 days later. If weather conditions favour disease development 	

SOYBEANS cont.

(temperatures of 15 - 28°C and high humidity) use shorter interval. <ul style="list-style-type: none"> If the disease appears during flowering or early pod-fill more than one (1) spray may be necessary. Should disease appear late in the growing season, a single application will be sufficient. Ensure thorough coverage of the whole plant. 	
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TABLE AND WINE GRAPES

Disease	Dosage rate
Powdery mildew (<i>Oidium tuckerii</i>)	Ground application 12 mℓ/100 ℓ water every 14 days
Remarks <ul style="list-style-type: none"> Apply in a spray program as a full-cover spray to the point of run-off. Commence spraying when the first shoots are 100 - 250 mm long and repeat the treatment at intervals as indicated. Do not apply more than four (4) treatments per season. The last application should be no later than bunch closure (berry touch completed). Ensure thorough coverage at all times. Wine grapes: Increase the spray volume progressively, from 250 ℓ/ha to reach 1 000 ℓ/ha at pea berry stage and repeat at this rate throughout the rest of the season. Table grapes: The spray volume should be increased progressively from 500 ℓ/ha to 1 200 ℓ/ha. Do not exceed the spray interval. It is recommended to supplement the SCORE program with THIOVIT JET® (L1061) 2 - 3 times during the season. 	

TOMATOES

Disease	Dosage rate
Early blight (<i>Alternaria solani</i>)	High volume (500 - 2 000 ℓ spray mixture/ha) 35 mℓ/100 ℓ water Low volume 350 mℓ/ha (mist blowers)
Remarks Low early blight pressure areas where other diseases are not a problem <ul style="list-style-type: none"> Apply SCORE at 14-day intervals. Moderate to heavy early blight pressure areas and/or where other diseases need to be controlled <ul style="list-style-type: none"> Alternate every 7 days between SCORE and a suitable broad-spectrum fungicide (e.g., mancozeb, chlorothalonil, or copper). Commence applications during the flowering stages (about eight (8) weeks after transplant) or earlier if the disease starts to develop. Continue with SCORE into the picking stages (16 - 20 weeks after transplant) applying a maximum of eight (8) SCORE applications per season. During the pre-flowering stages and after the SCORE treatments are discontinued, apply a suitable broad-spectrum fungicide. Ensure complete coverage of the entire plant mass with spray mixture at all times. SCORE does not control late blight (<i>Phytophthora infestans</i>). SCORE has been successfully tank mixed with mefenoxam, mancozeb and chlorothalonil. 	

TREE NUTS

(Almonds, cashew, chestnut, hazelnut, macadamia, pecan, pistachio and walnut)

Disease	Dosage rate
Husk spot (<i>Pseudocercospora</i> spp.)	Ground application 50 mL/100ℓ water
Remarks <ul style="list-style-type: none">• Use in a protectant program containing fungicides with different modes of action.• Commence fungicide applications at nut set with applications at 3 - 4 week intervals.• Apply a maximum of two (2) applications of SCORE per season.• Ensure thorough spray coverage.• Apply with a suitable adjuvant.	

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