

^{RB} **BlackOut**™

Reg. No. L10354 Act No. 36 of 1947

FORMULATION – SL

ACTIVE INGREDIENT: Dipotassium phosphate 297 g/L

GROUP 33 FUNGICIDE

^{RB} **BlackOut**™ is a systemic and contact fungicide for the control of citrus black spot in Citrus.

Shake well before use



20L



WARNINGS

- Keep out of reach of children and animals.
- Store away from food and animal feeds.
- ^{RB} **BlackOut**™ must be used within 24 months of manufacture. While in use, the ^{RB} **BlackOut**™ container must be kept cool and in the shade. The container must not be exposed directly to sunlight.

ALTHOUGH THIS REMEDY HAS BEEN EXTENSIVELY TESTED UNDER A LARGE VARIETY OF CONDITIONS, THE REGISTRATION HOLDER DOES NOT WARRANT THAT IT WILL BE EFFECTIVE UNDER ALL CONDITIONS, AS THE ACTION AND EFFECT THEREOF MIGHT BE AFFECTED BY FACTORS SUCH AS ABNORMAL CLIMATIC AND STORAGE CONDITIONS, QUALITY OF DILUTION WATER IN THE SPRAY TANK, COMPATABILITY WITH OTHER SUBSTANCES NOT INDICATED ON THE LABEL AND THE OCCURRENCE OF RESISTANCE OF THE DISEASE AGAINST THE REMEDY CONCERNED, AS WELL AS THE METHOD, TIME AND ACCURACY OF APPLICATION. FURTHERMORE, THE REGISTRATION HOLDER DOES NOT ACCEPT RESPONSIBILITY FOR DAMAGE TO CROPS, VEGETATION, THE ENVIRONMENT NOR HARM TO MAN OR ANIMAL. NEITHER DOES THE REGISTRATION HOLDER ACCEPT RESPONSIBILITY FOR LACK OF PERFORMANCE OF THE REMEDY CONCERNED, DUE TO FAILURE OF THE USER TO FOLLOW THE LABEL INSTRUCTIONS, NOR TO THE OCCURRENCE OF CONDITIONS WHICH COULD NOT HAVE BEEN FORESEEN IN TERMS OF THE REGISTRATION. WHEN INFECTION PRESSURE IS HIGH, DISEASE SYMPTOMS MAY BE SUPPRESSED ONLY. COMMENCE WITH TREATMENT BEFORE THE DISEASE IS OBSERVED, OR IF WEATHER CONDITIONS FAVOUR DISEASE DEVELOPMENT. GOOD COVERAGE OF THE CROP DURING APPLICATION IS ESSENTIAL. CONSULT THE REGISTRATION HOLDER IN THE EVENT OF ANY UNCERTAINTY.

PRECAUTIONS

- ^{RB} **BlackOut**™ has a pH of 9.2 and may affect spray tank pH.
- May be harmful if swallowed.
- Store in a cool, well-ventilated and dry area.
- Store away from food, feeds, seeds, fertilizers and other agricultural chemicals.
- 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.
- Rinse contaminated eyes with clean water for 15 minutes. If irritation occurs and persists, seek medical attention.
- Do not eat, drink or smoke whilst mixing or applying, nor before washing hands and face.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams and areas not under treatment.
- Rinse empty container three times with a volume of water equal to a third of the volume of the container. Add the rinsing's to the contents of the spray tank.
- Do not use container for any other purpose.
- Do not burn empty container.
- Prevent contamination of food, feeds and drinking water.
- In case of spillage, pick up with absorbent material (e.g. sand, sawdust). Rinse away the rest with water. Pick up with suitable equipment and if necessary collect in closed container.
- Dispose of contaminated material according to local legislation.

Registered by
RIVER BIOSCIENCE (PTY) LTD
Country of origin: South Africa
RSA Patent No. 2017/02226
Reg. No. 2003/022759/07
Tel: +27 (0)41 373 1409
Email: admin@riverbio.com
PO BOX 20388, HUMewood 6013
www.riverbioscience.com

Distributed by:
Andermatt Madumbi (Pty) Ltd
Reg. No. 2009/020798/07
Tel: +27 (0) 33 342 3984
Email: support@andermatt.co.za
Suite 105, 24 Hilton Avenue, Hilton, 3245
www.andermatt.co.za



Batch No:
Expiry date:

WITHHOLDING PERIODS

Minimum number of days between the last application and harvest applicable to ***®BlackOut™***.

Crop	Withholding Period
Citrus	7 Days

The MRL for ***®BlackOut™*** is calculated as the sum of fosetyl-aluminium and phosphonic acid.

FOR TANK MIXES AND/OR PROGRAMME APPLICATIONS OF ***®BlackOut™*** WITH FUNGAWAY® 250 SC (L 8590) OR CERATO 250 EC (L 9336), REFER TO PRODUCT LABELS FOR CROP SPECIFIC PRE-HARVEST INTERVALS (PHI'S) RELATED TO THESE PRODUCTS.

NOTE

THE ABOVE-MENTIONED WITHHOLDING PERIOD 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.

USE RESTRICTIONS

®BlackOut™ should only be applied to actively growing trees.

Trees should not be treated when suffering from heat, drought or heavy fruit set or other stress conditions as such conditions (even when temporary) may lead to a phytotoxic response (e.g. leaf scorch and gummosis). To ensure effective translocation of this systemic product, only use ***®BlackOut™*** on actively growing trees when sufficient sap flow is taking place.

Do not apply ***®BlackOut™*** within 14 days before or after a copper application, and do not apply a copper application within 7 days after a ***®BlackOut™*** application.

Do not apply if day temperatures are above 30°C or under conditions of high relative humidity.

®BlackOut™ should be applied preventatively as part of a disease control programme before symptoms develop.

Full coverage of the crop during application is essential for adequate protection.

RESISTANCE WARNING

®BlackOut™ is a group code 33 fungicide. Any fungus population may contain individuals naturally resistant to ***®BlackOut™*** and other group code 33 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by ***®BlackOut™*** or any other group code 33 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.
- Do not apply more than 4 times in oranges and 5 times on lemons to the same orchard in the same season/ or year.
- Integrate other control methods (chemical, cultural, biological) into disease control programmes for specific information on resistance management contact the registration holder of this product.

Compatibility:

®BlackOut™ is compatible with FUNGAWAY® 250 SC (L 8590), CERTAO 250 EC (L9336) and narrow range mineral spray oils.

The compatibility of ***®BlackOut™*** with other agricultural chemicals has not been confirmed and can be influenced by the formulations involved, as well as water quality. The addition of a wetting agent is not necessary. Always consult the labels of products to be tank mixed with ***®BlackOut™***.

Mixing instructions:

Shake the container well before use.

Half fill the mixing tank with clean water.

Add the required volume of ***®BlackOut™*** to the mixing tank and ensure thorough agitation.

If any other product is to be added, use a separate container and pre-mix the required volume of product with 10 litres.

Only after thorough agitation of ***®BlackOut™*** and water add the pre-mixed product(s) in the following order (as applicable), suspension concentrate, emulsifiable concentrate and lastly the water-soluble concentrate, to the mixing tank. Consult the product(s) labels for more details.

Fill the tank to the desired volume, whilst agitating continuously.

Do not allow the spray mixture to stand over for a prolonged period of time in the mixing/spray tank, e.g. overnight.

Application instructions:

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 rates.

Ensure continuous agitation during application.

Preferably apply early in the morning, late afternoon or evening.

CROP RECOMMENDATIONS

CITRUS

Apply only as a high-volume application and ensure complete coverage of the trees and bearing fruit.

In case of rain before the spray deposit has fully dried, re-apply the treatment.

Before commencing with the spray programme remove all out of season citrus fruit.

PEST	CROP	RATE/100L WATER	REMARKS
Citrus black spot <i>(Guignardia citricarpa)</i> Also known as <i>(Phyllosticta citricarpa)</i>	All Citrus Varieties	100 ml <i>®BlackOut™</i> FOLLOWED BY 100 ml <i>®BlackOut™</i> PLUS 20 ml FUNGAWAY® 250 SC PLUS 250-300 ml narrow range mineral oil FOLLOWED BY 100 ml <i>®BlackOut™</i> PLUS 20 ml FUNGAWAY® 250 SC PLUS 250-300 ml narrow range mineral oil FOLLOWED BY 100 ml <i>®BlackOut™</i>	Start the control programme with the application of <i>®BlackOut™</i> (100 ml per 100 litres water) as soon as possible after 100 % petal drop, as a preventative application. Follow-up three (3) weeks later with the tank mixture treatment. Apply the second application of the tank mixture treatment six weeks later. Should infection conditions remain favourable, another application (in all citrus except lemons) can be applied or two (2) applications (in lemons) <i>®BlackOut™</i> (100 ml per 100 litres water), at 3 to 4-week intervals. This will support protection during the January to February period. Consult the FUNGAWAY® 250 SC label for USE RESTRICTIONS, WARNINGS (including RESISTANCE WARNINGS), PRECAUTIONS and DIRECTIONS FOR USE.
		100 ml <i>®BlackOut™</i> FOLLOWED BY 100 ml <i>®BlackOut™</i> PLUS 10 ml CERATO 250 EC PLUS 250-300 ml narrow range mineral oil FOLLOWED BY 100 ml <i>®BlackOut™</i> PLUS 10 ml CERATO 250 EC PLUS 250-300 ml narrow range mineral oil FOLLOWED BY 100 ml <i>®BlackOut™</i>	Start the control programme with the application of <i>®BlackOut™</i> (100 ml per 100 litres water) as soon as possible after 100 % petal drop, as a preventative application. Follow-up three (3) weeks later with the first CERATO 250 SC tank mixture treatment. Apply the second application of the CERATO 250 SC tank mixture six (6) weeks later. Should infection conditions remain favourable, another application (in all citrus except lemons) can be applied or two (2) applications (in lemons) <i>®BlackOut™</i> (100 ml per 100 litres water), at 3 to 4-week intervals. This will support protection during the January to February period. Consult the CERATO 250 EC label 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:

- FUNGAWAY® 250 SC (L 8590 / N-AR 1225) = STROBIN 250 SC (L 8625) (Azoxystrobin) and
- CERATO 250 SC (L 9336) = CHICO 250 EC (L 9337) = COSTRA 250 EC (L 9507) (Pyraclostrobin).

CHICO 250 EC is a registered product of UNIVERSAL CROP PROTECTION (PTY) LTD.

CERATO 250 EC is a registered product of VILLA CROP PROTECTION (PTY) LTD.

FUNGAWAY® 250 SC is a registered trademark of VILLA CROP PROTECTION (PTY) LTD.

STROBIN 250 SC and COSTRA 250 EC are registered products of CROPASURE (PTY) LTD.