

CAUTION

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Bulls-eye®

Systemic Fungicide

ACTIVE CONSTITUENT: 250 g/L DIFENOCONAZOLE

SOLVENTS: 580 g/L LIQUID HYDROCARBON

100 g/L N-METHYL-2-PYRROLIDONE

GROUP	3	FUNGICIDE
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RLP
Approved

For the control of target spot of potatoes and tomatoes, leaf blight of carrots, leaf spot diseases of bananas and husk spot on macadamias as specified in the Directions for Use Table/

OSPRAY PTY LTD
ABN 23 110 199 169
12 JULIUS AVE
NORTH RYDE NSW 2113
PH: 1800 624 597
www.ospray.com.au
Part of the Cheminova Group

CONTENTS: 1-1000 L

CHEMINOVA
HELPING YOU GROW

**DIRECTIONS FOR USE
RESTRAINTS**

DO NOT apply more than 6 applications of this product per season.

The effect of Bulls-eye could be diminished if rain falls within 2 hours of application.

CROP	DISEASE	STATE	RATE /ha	WHP, DAYS	CRITICAL COMMENTS
Bananas including bananas interplanted with avocados	Yellow Sigatoka (<i>Mycosphaerella musicola</i>), Black Sigatoka (<i>Mycosphaerella fijiensis</i>)	Qld, NSW, NT only	Ground application: 400 mL + 3-5 L of water miscible oil* in a convenient volume of water Aerial application: 400 mL + 3-5 L of a water miscible oil* in a minimum of 30 L of water	1	This use is subject to a CroLife Australia Fungicide Resistance Management Strategy. Ground application: Apply by misting machine or airblast sprayer. Use rates towards the higher end of the range where weather conditions favour diseases or where equipment or terrain does not permit thorough spray coverage of all foliage. NSW, South Qld: Ground and aerial application: Commence spraying at the start of the summer rainy season. Apply a maximum of 5 Group 3 Fungicides sprays per season. Apply a maximum of 2 consecutive sprays of Bulls-eye at 21 to 28 day intervals before applying further treatments of a protectant fungicide from a different activity group. NT, Nth Qld: Ground and Aerial Applications: Commence spraying at the start of the wet season. Apply a regular schedule of protectant sprays. When the disease potential is high, apply a maximum of 2 consecutive sprays of Bulls-eye at 14 to 21 day intervals before applying further treatments of a fungicide from a different activity group. Apply a maximum of 6 Group 3 sprays per season. Continue with treatments using an alternative protectant fungicide for the remainder of the season. Use the lower rate of oil in north Qld. DD NDT apply during July, August, September and October. * See Special Warning – Bananas in COMPATIBILITY for further information.
Carrots	Leaf Blight (<i>Alternaria dauci</i> and <i>Cercospora carotae</i>)	All States	300 or 500 mL	7	This use is subject to a CroLife Australia Fungicide Resistance Management Strategy. Use in a protectant program commencing before disease occurs. Limit the use of Group 3 Fungicide to periods when conditions favour disease development. Apply the 300 mL rate at 7 day intervals and the 500 mL rate at 10 to 14 day intervals. Use the 500 mL rate when conditions favour high disease pressure. Apply no more than 2 consecutive sprays of Bulls-eye alone. Then apply a recommended non Group 3 Fungicide or tankmix Bulls-eye with a recommended protectant fungicide for at least 1 application before continuing with Bulls-eye alone. Good crop hygiene will aid disease control.
Macadamia nuts	Husk Spot (<i>Pseudocercospora macadamiae</i>)	Qld, NSW, NT only	Dilute spraying 50 mL/100 L water Concentrate spraying Refer to the Application section	–	Apply by dilute or concentrate spraying equipment. Apply the same amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. Use in a protectant fungicide program containing fungicides from different chemical groups. Commence fungicide applications at nut set (approximately late September) and continue the fungicide program until late December, with applications at 3 to 4 week intervals. Apply a maximum of 2 applications of Bulls-eye per season. Ensure thorough spray coverage. Add Agral Spray Adjuvant at a rate of 10 mL/100 L.
Potatoes	Target Spot/ Early Blight (<i>Alternario solani</i>)	All States	300 or 500 mL	7	This use is subject to a CroLife Australia Fungicide Resistance Management Strategy. Use in a protectant program commencing when rows meet and before disease occurs. Limit the use of Group 3 Fungicides to periods when conditions favour disease development. Apply the 300 mL rate at 7 day intervals and the 500 mL rate at 10 to 14 day intervals. Use the 500 mL rate when conditions favour high disease pressure. Apply no more than 2 consecutive sprays of Bulls-eye alone. Then apply a recommended non Group 3 Fungicide or tank mix Bulls-eye with a recommended protectant fungicide for at least 1 application before continuing with Bulls-eye alone. Good crop hygiene will aid disease control. Bulls-eye does not control Late Blight (<i>Phytophthora infestans</i>). If this disease is a problem, mix Bulls-eye with an appropriate fungicide for control of this disease and observe the spray interval for that product.
Tomatoes	Target Spot (<i>Alternario solani</i>)	All States	300 or 500 mL	3	This is subject to a CroLife Australia Fungicide Resistance Management Strategy. Use in a protectant program commencing soon after transplanting. Limit the use of Group 3 Fungicides to periods when conditions favour disease development. Apply the 300 mL rate at 7 day intervals and the 500 mL rate at 10 day intervals. Apply no more than 2 consecutive sprays of Bulls-eye alone. Then apply a recommended non Group 3 Fungicide or tank mix Bulls-eye with a recommended protectant fungicide for at least 1 application before continuing with Bulls-eye alone. DD NOT apply more than 6 Bulls-eye (or other Group 3 Fungicide) sprays in a season. Good crop hygiene will aid disease control.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

WITHHOLDING PERIODS:

BANANAS: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.

POTATOES, CARROTS: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.

TOMATOES: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.

AVOCADOES, MACADAMIAS: NO WITHHOLDING PERIOD WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

FUNGICIDE RESISTANCE WARNING

GROUP	3	FUNGICIDE
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Bulls-eye Systemic Fungicide is a member of the DMI Group of fungicides. For fungicide resistance management Bulls-eye is a Group 3 fungicide. Some naturally occurring individual fungi resistant to Bulls-eye may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if this fungicide is used repeatedly. These resistant fungi will not be controlled by Bulls-eye, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, Ospray Pty Ltd accepts no liability for any losses that may result from the failure of Bulls-eye to control the resistant fungi.

MIXING

Pour the measured volume of Bulls-eye slowly into the required volume of spray water in the spray tank while maintaining constant agitation. Sprays containing Bulls-eye should be used as soon as possible after mixing and maintain constant agitation throughout the spray operation.

WETTING AGENTS

The addition of a non-ionic wetting agent is required when Bulls-eye is being applied to macadamia nuts and addition of a miscible oil for application to bananas.

COMPATIBILITY

Bulls-eye is compatible with the following products for the crops in which they are recommended: Sulfos, Rogor, methidathion, Cyren 500EC, Ospray Pirimicarb, Ospray Permethrin, Alpha-cypermethrin, Ridomil MZ formulations, chlorothalonil, procymidone, iprodione, mancozeb, urea, EC formulations of synthetic pyrethroids, EC formulations of organophosphate insecticides, Copper oxychloride formulations.

SPECIAL WARNING: BANANAS

There are certain conditions when the surface of recently emerged fruit is particularly prone to marking damage from spray applications. In circumstances where application will be made to very rapidly growing fruit in hot conditions with strong direct light. It is recommended that all emerged bunches be bagged prior to spraying to minimise risk of fruit marking.

If using Bulls-eye with a mineral oil in blocks with un-bagged bunches, please contact Ospray Pty Ltd, your chemical reseller or aerial applicator for up to date information regarding the oil formulations recommended by Ospray Pty Ltd.

APPLICATION

Thorough coverage is essential for effective results.

For aerial application use 20 to 30 L water/ha.

For ground application, use at least 100 L water/ha.

Macadamia Nuts: Apply by high volume (dilute) sprayer or by concentrate sprayer.

Dilute spraying: Use a sprayer designed to apply high volumes of water up to the point of run-off and compatible with the crop being treated. Set up and operate the sprayer to achieve even coverage throughout the crop canopy and apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off. The sprayer must be calibrated for each individual crop situation to ensure that the correct water volume and crop coverage is achieved.

Concentrate spraying: Use a sprayer designed to apply low volumes of water (less than up to the point of run-off) and compatible with the crop being treated. Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your choice of water volume. The water volume used in low volume application is calculated from the amount used in high volume application. The mixture rate for concentrate mixture application can be calculated as follows:

1. If the dilute mixture application spray volume is 1 500 L/ha and your volume choice is 500 L/ha then the concentration factor is $3 \times (1,500\text{L}/500\text{L} = 3)$.
2. If the dilute label rate of application is 50 g/100 L water, then the concentrate rate of application becomes $3 \times 50 \text{ g} = 150 \text{ g}/100 \text{ L}$ of concentrate spray mixture.

The sprayer must be calibrated for each individual crop situation to ensure that the correct water volume and crop coverage is achieved. Users must ensure that they are adequately trained in order to apply Bulls-eye according to industry guidelines and industry Best Practices.

PROTECTION OF LIVESTOCK

Low hazard to bees. May be applied to plants at any time.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to aquatic organisms. DO NOT spray within 5 m downwind of water bodies. DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto adjacent areas, particularly wetlands, waterbodies or waterways. DO NOT contaminate dams, waterways or drains with the chemical or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight.

Leaflet

The method of disposal of the container depends on the container type. Read the 'Storage and Disposal' instructions on the label that is attached to the container.

Non-returnable containers only

Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

100, 110L

Do not remove or tamper with the dry valves or security seal. Do not contaminate the drum with water or any other foreign matter. After each use of the product ensure that the dry valve coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the drum is empty remove the dry valve coupler and return to the point of purchase.

1000L

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing the spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length butyl rubber gloves and face shield or goggles. When using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length butyl rubber gloves. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use wash gloves, face shield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs call for a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, DO NOT induce vomiting. Give a glass of water. If in eyes wash out immediately with water.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet available from www.ospray.com.au

WARNING

This product must be used, handled and stored strictly as directed in accordance with this label, packaging and other reference material ("Directions"). To the extent permitted by law Ospray Pty Ltd and its related companies will have no liability for any injury, loss or damage arising from a failure to follow the Directions.

APVMA Approval No: 61336/61895

Batch No:

Date of Manufacture:

131216-T

Drummuster logo (relevant pack sizes)

**FOR 24 HOUR SPECIALIST ADVICE
IN EMERGENCY ONLY
PHONE 1800 033 111**