CAUTION

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

Emissary®

Fungicide

ACTIVE CONSTITUENT: **500 g/L FLUDIOXONIL**

GROUP 12 FUNGICIDE

For the control of certain fungal diseases in Grapes, Green Beans, Strawberries and Turf as per Directions for Use table.

Formulation type
Suspension Concentrate
SC

ADAMA

adama.com

NET CONTENTS: 500 mL - 1000 L

RESTRAINTS
DO NOT apply by aircraft.
DO NOT apply by equipment carried on the back of the user.
For crop uses only:
DO NOT apply more than two (2) times per season to any crop, except where otherwise indicated in the Directions for Use.
DO NOT apply if heavy rains or storms which can cause field run off are forecast within 3 days.
DO NOT irrigate to the point of field runoff for at least 3 days after application.

Spray Drift Restraints
Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift
DO NOT allow bystanders to come into contact with the spray cloud.
DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The advisory buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.
DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

For crop uses only:
DO NOT apply by a boom sprayer unless the following requirements are met:
- Spray droplets not smaller than a MEDIUM spray droplet size category
- Minimum distances between the application site and downwind sensitive areas are observed (see the following table titled 'Buffer zones for boom sprayers').

Buffer zones for boom sprayers:

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones				
		Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
Up to 500 mL/ha OR Up to 500 mL/ha + Up to 750 mL/ha Solaris® 500 SC	0.5 m or lower	0 metres	15 metres	0 metres	0 metres	0 metres
	1.0 metres or lower	0 metres	50 metres	0 metres	0 metres	0 metres

DO NOT apply by a vertical sprayer unless the following requirements are met:

- Spray is not directed above the target canopy.
- The outside of the sprayer is turned off when turning at the end of rows and when spraying the outer row on each side of the application site.
- For dilute water rates up to the maximum listed for each type of canopy specified, minimum distances between the application site and downwind sensitive areas are observed (see the following table titled 'Buffer zones for vertical sprayers').

Buffer zones for vertical sprayers:

Type of target canopy and dilute water rate	Mandatory downwind buffer zones				
	Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
2 metres tall and shorter, maximum dilute water rate of 1000 L/ha	0 metres	10 metres	0 metres	0 metres	0 metres
Taller than 2 metres (not fully-foliated), maximum dilute water rate of 2000 L/ha	0 metres	30 metres	0 metres	0 metres	0 metres
Taller than 2 metres (fully-foliated), maximum dilute water rate of 2000 L/ha	0 metres	20 metres	0 metres	0 metres	0 metres

For turf use only:
DO NOT apply by a boom sprayer unless the following requirements are met:

- DO NOT apply with spray droplets smaller than a COARSE spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas are observed (see the following table titled 'Buffer zones for boom sprayers').

Buffer zone for Boom sprayers:

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones				
		Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
Up to 750 mL/ha	0.5 m or lower	0 metres	0 metres	0 metres	0 metres	0 metres
	1.0 metres or lower	0 metres	20 metres	0 metres	0 metres	0 metres

DIRECTIONS FOR USE

Crop/Situation	Disease	Rate	Critical Comments
Grapes except grapes grown for dried fruit production	Grey mould (Bunch rot) (*Botrytis cinerea*)	Dilute Spraying 40 mL/100 L **OR** 40 mL/100 L + 60 mL/100 L SOLARIS® 500	DO NOT apply more than two (2) applications of EMISSARY® per season. Applications can be made at 5% capfall, 80% capfall, pre-bunch closure or veraison. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. DO NOT use at rates greater than 100 mL/100 L of water i.e., at concentration factors above 2.5X. **This use is subject to a CropLife fungicide resistance management strategy** (see **Resistance Management** section).
Green beans	Grey mould (*Botrytis cinerea*), Sclerotinia (*Sclerotinia minor* and *Sclerotinia sclerotiorium*)	400 to 500 mL/ha **OR** 400 to 500 mL/ha + 600 to 750 mL/ha SOLARIS® 500	Apply at 20% flowering. Apply a second application 7 to 10 days later at full flowering when pods start to form, if conditions continue to remain favourable for disease development. Use a 7 day spray interval and high rate under high disease pressure. A third application may be required about 7 days later at pod filling crop stage if disease pressure is high. DO NOT apply more than 2 consecutive applications of EMISSARY®, with no more than 3 applications of EMISSARY® per crop.
Strawberries	Grey mould (*Botrytis cinerea*)	40 mL/100 L **OR** 40 mL/100 L + 60 mL/100 L SOLARIS® 500	Commence during flowering when conditions favour disease. Repeat applications on a 7 to 10 day interval. Use the shorter interval when conditions favour disease development. The rate suggested is for high volume spraying to the point of "run-off". For concentrate spraying, adjust dilution rate accordingly. Apply in sufficient water to ensure thorough and uniform coverage of foliage and fruit. Reduce background levels of disease by removing infected plant debris and rotten fruit. **This use is subject to a CropLife fungicide resistance management strategy**. DO NOT apply more than three (3) applications of EMISSARY® per crop (see **Resistance Management** section).
Turf	Anthracnose (*Colletotrichum graminicola*), Brown Patch (*Rhizoctonia solani*), Dollar Spot (*Sclerotinia homeocarpa*), Helminthosporium Disease (*Bipolaris* spp, *Drechslera* spp, *Exserohilum* spp), Winter Fusarium (Microdochium Patch) (*Fusarium nivale*)	750 mL/ha	**Preventative applications** Spray when conditions are favourable for disease development. Make a second application 21 days later if conditions continue to favour disease development. **Early curative applications** Spray as soon as possible after first symptoms are detected. Make a second application 14 to 21 days later if required. DO NOT mow or water treated area until turf or lawn is thoroughly dry, ideally allow 24 hours. Refer to Application section for detailed information.

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

WITHHOLDING PERIODS:

HARVEST

Strawberries: **DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION**
Green Beans: **DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION**
Grapes: **DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION**

GRAZING

Green Beans: **DO NOT FEED GREEN BEAN FORAGE OR FODDER TO LACTATING DAIRY ANIMALS PRODUCING MILK FOR HUMAN CONSUMPTION**
Turf: **DO NOT GRAZE TREATED TURF/LAWN OR FEED TURF/LAWN CLIPPINGS FROM ANY TREATED AREA TO POULTRY OR LIVESTOCK**

Export Trade Advice

Growers should note that MRLs or import tolerances do not exist in all markets for produce treated with EMISSARY®. If you are growing edible produce for export, please check with ADAMA Australia for the latest information on MRLs and import tolerances before using this product.

GENERAL INSTRUCTIONS

Mixing

Mix only sufficient chemical for each day's use and avoid storing.

Mixing in Water: Half fill the spray tank with water and add the required quantity of EMISSARY® and complete filling. Agitate continuously to ensure thorough mixing before and during application.

Tank mixtures: Wettable powder or dry flowable formulations (e.g., water dispersible granules) should be added to the spray tank first, followed by suspension concentrates (EMISSARY®), water soluble salts and then emulsifiable concentrate formulations. Add spraying oils and surfactants (wetters) last.

Application

Ground Application Only: Ensure thorough coverage of foliage and fruit (or bunches) using equipment delivering a MEDIUM spray quality (except for vineyard and orchard airblast sprayers).

Dilute Spraying

Use a sprayer designed to apply high volumes of water up to the point of runoff and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of runoff. Avoid excessive runoff. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice. Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of runoff. The required dilute spray volume will change, and the sprayer set up and operation may also need to be changed, as the crop grows.

Concentrate Spraying

Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of runoff) and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. Determine an appropriate dilute spray volume (see Dilute Spraying) for the crop canopy. This is needed to calculate the concentrate mixing rate. The mixing rate for concentrate spraying can then be calculated in the following way:

Example Only

1. Dilute spray volume as determined above: for example, 1000 L/ha
2. Your chosen concentrate spray volume: for example, 400 L/ha
3. The concentration factor in this example is: 2.5 X (i.e., 1000 L ÷ 400 L = 2.5)
4. If the dilute label rate is 40 mL/100 L, then the concentrate rate becomes 2.5 x 40, that is 100 mL/100 L of concentrate spray.

The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows. For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training, and follow industry Best Practices.

Turf use only: Ensure even application in order to achieve even disease control. Avoid overlapping sprays.

Leaf and Crown Diseases: Application volume for leaf and crown diseases should be adequate to ensure thorough and even coverage of the turf leaves and penetration to the crowns. Total application volume should be 300 to 500 L/ha. Use coarse droplets (e.g., Air Induction flat fan 025 to 04 nozzles). In higher cut turf (≥15 mm) a significant spray shielding effect can occur, impacting negatively on spray penetration and even coverage at low application volumes.

Compatibility

For information on compatibility please contact ADAMA Australia.

FUNGICIDE RESISTANCE WARNING

GROUP 12 FUNGICIDE

EMISSARY® is a member of phenylpyrrole group of fungicides. For fungicide resistance management the product is a Group 12 fungicide. Some naturally occurring individual fungi resistant to EMISSARY® and other Group 12 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by this product and other Group 12 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, ADAMA Australia Pty. Ltd. accepts no liability for any losses that may result from failure of EMISSARY® to control resistant fungi.

RESISTANCE MANAGEMENT

In order to minimise the likelihood of the development of fungicide resistance, it is recommended that EMISSARY® be used in a program incorporating all available forms of crop protection. EMISSARY® should be applied as part of a protective spray program using fungicides from different mode of action group/s. Alternating or mixing fungicides with different modes of actions is a recognised disease resistance management strategy. DO NOT wait until disease levels have built up before commencing applications as this reduces the effectiveness of control and increases the risk of resistance development. Disease control may be reduced if strains of pathogens less sensitive to EMISSARY® Fungicide develop.

EMISSARY® Fungicide should be applied as specified in the Directions for Use in association with the CropLife Fungicide Resistance Management Strategies.

In the absence of an established resistance management strategy for a particular crop/disease situation, it is recommended that:

- The use of fungicides from any given activity group (excluding Group M) be limited to a maximum of 1/3 of the total number of fungicide applications per crop.
- A maximum of two consecutive applications of EMISSARY® are to be applied, including from one season/crop to the next.

PRECAUTIONS

Re-entry Period:

After application, DO NOT enter treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

For turf use only:

General Public: DO NOT allow public entry into treated areas until the spray has dried.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT
Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.
For turf use only: DO NOT apply if heavy rains are imminent.

STORAGE AND DISPOSAL
Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple-rinse container for disposal. Dispose of rinsate by adding it to the spray tank. Do not dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection or similar container management program site. The cap should not be replaced, but may be taken separately.
If not recycling, break, crush, or puncture and deliver empty packaging 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.

SAFETY DIRECTIONS
May irritate the eyes. May irritate the skin. Avoid contact with eyes and skin When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). Wash hands after use. After each day's use, wash contaminated clothing.

FIRST AID
If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

SAFETY DATA SHEET
Additional information is listed in the safety data sheet (SDS). A safety data sheet for EMISSARY® FUNGICIDE is available from adama.com or Call Customer Service on 1800 423 262.

CONDITIONS OF SALE: The use of EMISSARY® FUNGICIDE being beyond the control of the manufacturer, no warranty expressed or implied is given by ADAMA Australia Pty. Ltd., regarding its suitability, fitness or efficiency for any purposes for which it is used by the buyer, whether in accordance with the Directions for Use or not. ADAMA Australia Pty. Ltd. accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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