



CONTENTS

DIRECTIONS FOR USE.....2

RESTRAINTS2

SPRAY DRIFT RESTRAINTS2

Boom sprayers.....2

Vertical sprayers3

DIRECTIONS FOR USE TABLE4

WITHHOLDING PERIODS (WHP)7

EXPORT SLAUGHTER INTERVAL (ESI) – 30 DAYS7

EXPORT OF TREATED PRODUCE7

GENERAL INSTRUCTIONS7

Mixing7

Application7

Sprayer clean up.....8

Plant back interval requirements for rotational crops8

Compatibility8

FUNGICIDE RESISTANCE WARNING8

PRECAUTION8

Re-entry period8

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT9

Integrated pest management.....9

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS.....9

STORAGE AND DISPOSAL9

SAFETY DIRECTIONS.....9

FIRST AID9

SAFETY DATA SHEET9

EXCLUSION OF LIABILITY9

GHS STATEMENTS.....9



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

Luna[®] Sensation

FUNGICIDE

ACTIVE CONSTITUENTS: 250 g/L FLUOPYRAM
 250 g/L TRIFLOXYSTROBIN

GROUP	7	11	FUNGICIDE
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For control of various diseases in almonds, various fruit crops and lettuce as specified in the **DIRECTIONS FOR USE** table

DIRECTIONS FOR USE

RESTRAINTS

For PROFESSIONAL use only.

DO NOT apply by aircraft.

DO NOT apply if heavy rains or storms are forecast within 3 days.

DO NOT irrigate to the point of 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 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.

Boom sprayers

DO NOT apply by a boom sprayer unless the following requirements, OR the conditions provided in a relevant output of the Spray Drift Management Tool are met:

- Spray droplets not smaller than a medium spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

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 800 mL/ha	0.5 m or lower	0 m	35 m	0 m	0 m	0 m
	1.0 m or lower	0 m	95 m	0 m	0 m	0 m

Vertical sprayers

DO NOT apply by a vertical sprayer unless the following requirements, OR the conditions provided in a relevant output of the Spray Drift Management Tool 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 (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for vertical sprayers') are observed.

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 m	10 m	0 m	0 m	0 m
Taller than 2 metres (not fully-foliated), maximum dilute water rate of 1500 L/ha.	0 m	30 m	0 m	0 m	0 m
Taller than 2 metres (fully-foliated), maximum dilute water rate of 1500 L/ha.	0 m	20 m	0 m	0 m	0 m
Taller than 2 metres (not fully-foliated), maximum dilute water rate of 2000 L/ha.	0 m	40 m	0 m	0 m	0 m
Taller than 2 metres (fully-foliated), maximum dilute water rate of 2000 L/ha.	0 m	30 m	0 m	0 m	0 m



DIRECTIONS FOR USE TABLE

CROP	DISEASE	RATE	WHP	CRITICAL COMMENTS
Almonds	Blossom blight, stone fruit rust	<u>Dilute spraying</u> 30 mL/100 L <u>Concentrate spraying</u> Refer to the Application section	14 days	<p>Apply in a fungicide spray program according to target disease, observing the restrictions on total number of applications detailed below.</p> <p>Blossom blight Apply as part of a blossom blight spray program. The critical application timings for blossom blight control are early (1-10%) blossom, full bloom and petal fall/shuck fall.</p> <p>Stone fruit rust Apply at or prior to the first signs of disease. Repeat applications may be required later in the crop cycle if weather conditions favour disease development or new foliage growth occurs.</p> <p>Shot hole Apply as part of a protectant spray program at intervals of 10 to 14 days starting at early pink bud. Repeat applications may be required later in the crop cycle if weather conditions favour disease development. Use the short spray intervals when disease pressure is high or plants are growing rapidly or weather conditions favour disease development.</p> <p>Hull rot Apply at early hull split. Repeat at the first sign of infection. Apply to the point of run-off to give thorough coverage of fruit. A reduction in the percentage of nuts infected and a consequent reduction in nuts retained on the tree after harvest can be expected following applications as directed.</p> <p>General Apply a maximum of 3 applications of Luna Sensation per season. Apply a maximum of 2 litres of Luna Sensation per hectare per season.</p> <p>Apply thoroughly to ensure complete coverage. Apply by dilute or concentrate spraying equipment (except for hull rot applications where concentrate application is not appropriate). Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. For concentrate spraying, do not use at rates greater than two times the dilute spraying rate (i.e. at a concentration factor greater than 2X) – refer “Application” section in GENERAL INSTRUCTIONS.</p> <p>Tank mixes with foliar fertilizers may result in minor leaf tipping.</p> <p>Resistance Management This use is subject to a CropLife Australia fungicide resistance management strategy which limits the total number and consecutive number of applications of Luna Sensation and other Group 7 and 11 fungicides.</p>
	Shot hole Suppression only: Hull rot	<u>Dilute spraying</u> 40 mL/100 L <u>Concentrate spraying</u> Refer to the Application section (not appropriate for hull rot control)		



Luna Sensation

CROP	DISEASE	RATE	WHP	CRITICAL COMMENTS
Apples	Black spot (apple scab), powdery mildew	<u>Dilute spraying</u> 30 mL/100 L	14 days	<p>Apply in a fungicide spray program according to target disease, observing the restrictions on total number of applications detailed below.</p> <p>Black spot Apply as part of a black spot (apple scab and pear scab) spray program at 7 to 10 day intervals, commencing applications at green tip or at spur burst following a recommended green tip fungicide spray.</p> <p>Powdery mildew Apply as part of a powdery mildew spray program at 14 day intervals commencing applications at early pink stage.</p> <p>Alternaria leaf blotch Apply as part of an alternaria spray program at 14 day intervals commencing following blossom and extending through early fruit development.</p> <p>General Apply a maximum of 3 applications of Luna Sensation per season. Apply a maximum of 2 litres of Luna Sensation per hectare per season.</p> <p>Apply thoroughly to ensure complete coverage. 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. For concentrate spraying, do not use at rates greater than three times the dilute spraying rate (i.e. at a concentration factor greater than 3X) – refer “Application” section in GENERAL INSTRUCTIONS.</p> <p>Resistance Management This use is subject to a CropLife Australia fungicide resistance management strategy which limits the total number and consecutive number of applications of Luna Sensation and other Group 7 and 11 fungicides.</p>
Pears	Black spot (pear scab)	<u>Concentrate spraying</u> Refer to the Application section		
Stone fruit	Blossom blight, shot hole	<u>Dilute spraying</u> 40 mL/100 L	1 day	<p>Apply in a fungicide spray program according to target disease, observing the restrictions on total number of applications detailed below.</p> <p>Blossom blight Apply as part of a blossom blight spray program. The critical application timings for blossom blight control are early (1-10%) blossom, full bloom and petal fall/shuck fall.</p> <p>Shot hole Apply as part of a shot hole spray program at intervals of 10 to 14 days starting at early pink bud. Repeat applications may be required later in the crop cycle if weather conditions favour disease development.</p> <p>Brown rot Apply as part of a brown rot spray program. The critical period for brown rot control begins at fruit ripening and extends through to harvest. A spray interval of 7-10 days should be utilised.</p>
	Brown rot	<u>Dilute spraying</u> 30 mL/100 L		
		<u>Concentrate spraying</u> Refer to the Application section		



Luna Sensation

CROP	DISEASE	RATE	WHP	CRITICAL COMMENTS
Stone fruit <i>Continued</i>				<p>General Apply a maximum of 2 applications of Luna Sensation per season. Apply a maximum of 2 litres of Luna Sensation per hectare per season.</p> <p>Apply thoroughly to ensure complete coverage. 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. For concentrate spraying, do not use at rates greater than three times the dilute spraying rate (i.e. at a concentration factor greater than 3X) – refer “Application” section in GENERAL INSTRUCTIONS.</p> <p>Resistance Management This use is subject to a CropLife Australia fungicide resistance management strategy which limits the total number and consecutive number of applications of Luna Sensation and other Group 7 and 11 fungicides.</p>
Avocados, mangoes and other tropical and sub-tropical fruits, inedible peel (excluding bananas, papaya, passionfruit, pineapples)	Anthracnose (<i>Colletotrichum</i> spp.), stem end rot	50 mL/100 L	3 days	<p>Begin applications as soon as crop development has reached susceptible stages for disease infections to occur.</p> <p>Apply Luna Sensation in a preventative fungicide program, incorporating fungicides from different mode of action groups. Intervals between fungicide applications generally should be 14-21 days, but should be modified for locality, disease conditions and weather conditions.</p> <p>Apply a maximum of 3 applications of Luna Sensation (depending on the water volume required to spray to run-off) that would not exceed a total of 2 litres of Luna Sensation per hectare in a 12-month period.</p> <p>Apply as a high volume spray at a water volume appropriate to the crop stage to ensure good coverage of all foliage, flowers and fruit.</p> <p>Resistance Management Observe industry resistance management guidelines relevant to this use. These guidelines may recommend limits to the number of sprays, constraints regarding consecutive sprays, minimum spray intervals and no-spray periods for all fungicide activity groups.</p>
Litchis	Litchi pepper spot (<i>Colletotrichum gloeosporioides</i>)			
Papaya	Black spot (<i>Asperisporium caricae</i>), brown spot (<i>Corynespora cassicola</i>)	600 mL/ha		
Passionfruit	Septoria spot (<i>Septoria passiflorae</i>), brown spot (<i>Alternaria passiflorae</i>)	60 mL/100 L	1 day	
Lettuce (including leafy lettuce, loose leaf types, greenhouse lettuce)	Lettuce drop (Sclerotinia rot, <i>Sclerotinia sclerotiorum</i> and <i>Sclerotinia minor</i>)	800 mL/ha	7 days	<p>Apply Luna Sensation preventively, prior to the onset of disease.</p> <p>Best results can be obtained where Luna Sensation is applied after seedling emergence in the case of direct seeded lettuce, or immediately following planting in the case of transplants.</p> <p>A repeat application should be applied 7 to 14 days after this initial application.</p> <p>Luna Sensation should be applied as part of an</p>



CROP	DISEASE	RATE	WHP	CRITICAL COMMENTS
Lettuce <i>Continued</i>				<p>integrated disease control program that incorporates other measures such as crop rotation, planting resistant crop varieties and moisture management to reduce humidity and crop wetness in order to limit disease pressure.</p> <p>General DO NOT apply more than 2 applications of Luna Sensation per year in the same paddock.</p> <p>Resistance Management This use is subject to a CropLife Australia fungicide resistance management strategy which limits the total number and consecutive number of applications of Luna Sensation and other Group 7 and 11 fungicides.</p>

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

WITHHOLDING PERIODS (WHP)

Harvest (H):

Stone fruit, passionfruit: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION

Tropical and sub-tropical fruit, inedible peel (excluding bananas, passionfruit, pineapples): DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION

Lettuce: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

Almonds, apples and pears: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

Grazing (G): DO NOT GRAZE LIVESTOCK IN TREATED ORCHARDS

EXPORT SLAUGHTER INTERVAL (ESI) – 30 DAYS

Livestock that has been grazed on or fed treated crops should be placed on clean feed for 30 days prior to slaughter.

EXPORT OF TREATED PRODUCE

Growers should note that suitable MRLs or import tolerances may not exist in all markets for produce treated with Luna Sensation. In some situations export requirements may be met by limiting application number and/or imposing a longer withholding period than specified above. If you are growing produce for export, please check with Bayer CropScience Pty Ltd for the latest information on MRLs and import tolerances and for advice on any potential trade issues and their management.

GENERAL INSTRUCTIONS

Mixing

Shake well before use. Half fill the spray tank with water. Pour in the required quantity of Luna Sensation with agitators running, then top up with water. Use spray mixture immediately after preparation, do not allow it to stand.

Application

Application should be by ground spray equipment only. Thorough coverage of the target area is essential.

Dilute spraying

- Use a sprayer designed to apply high spray volumes, up to the point of run-off 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 run-off. Avoid excessive run-off.
- The required spray volume may be determined by applying different test volumes, using different settings on the sprayer, or from industry guidelines or expert advice.
- Add the amount of product specified in the Direction for Use table for each 100 L of water. Spray to the point of run-off.
- 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 (not appropriate for hull rot applications in almonds and for applications in tropical and sub-tropical fruit crops)

- Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies spray volumes less than those required to reach the point of run-off) and matched to the crop being sprayed.
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen spray volume.
- Determine an appropriate dilute spray volume (See Dilute Spraying above) 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 1500 L/ha
 2. Your chosen concentrate spray volume: For example 750 L/ha
 3. The concentration factor in this example is 2X (i.e. 1500 L ÷ 750 L = 2)
 4. If the dilute label rate is 30 mL/100 L, then the concentrate rate becomes 2 x 30, that is, 60 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.
- Maximum concentration factor;

Almonds (except for hull rot applications where concentrate spraying is not appropriate): Do not use at a concentration factor greater than 2X (e.g. at a rate higher than 60 mL/100 L where a dilute spraying rate of 30 mL/100 L is specified).

Apples, pears, stone fruit: Do not use at a concentration factor greater than 3X (e.g. at a rate higher than 90 mL/100 L where a dilute spraying rate of 30 mL/100 L is specified).
- For further information on concentrate spraying users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry best practice.

Sprayer clean up

If clean up of spray equipment is required, rinse equipment twice with clean water after use.

Plant back interval requirements for rotational crops

The following plant back intervals are required for rotational crops:

Crop group	Plant back interval
Vegetables	None
Cereals, pulses, oil seed crops and pasture	7 months

Compatibility

For information on the compatibility of Luna Sensation with other products, contact your local retailer or Bayer Crop Science representative.

FUNGICIDE RESISTANCE WARNING

GROUP	7	11	FUNGICIDE
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Luna Sensation Fungicide is a combination of a succinate dehydrogenase inhibitor (SDHI) and a quinone outside inhibitor (QoI) fungicide. For fungicide resistance management Luna Sensation is both a Group 7 and a Group 11 fungicide. Some naturally occurring individual fungi resistant to Luna Sensation and other Group 7 and Group 11 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 Luna Sensation and other Group 7 and Group 11 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, Bayer CropScience Pty Ltd accepts no liability for any losses that may result from the failure of Luna Sensation to control resistant fungi.

Luna Sensation may be subject to specific resistance management strategies. For further information contact your local supplier, Bayer Crop Science representative, local agricultural department agronomist or refer to the CropLife Australia website.

PRECAUTION

Re-entry period

Do not allow entry into 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.



PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.

Integrated pest management

Toxic to predatory bugs (*Orius* spp.). In-crop residues are expected to be safe for predatory bugs within 21 days after the last application. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

A spray drift minimisation strategy should be employed at all times. Spray drift may occur under adverse meteorological conditions or from certain spraying equipment. DO NOT allow spray to drift onto sensitive areas including, but not limited to, susceptible plants/crops, cropping land, pasture, natural streams, rivers, wetlands, waterways or human dwellings.

STORAGE AND DISPOSAL

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

Triple-rinse container before disposal. Add rinsings to 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 container to an approved waste management facility. If an approved facility is not available, bury the empty container 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. Do not re-use empty container for any other purpose.

SAFETY DIRECTIONS

Repeated exposure may cause allergic disorders. When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (telephone 13 11 26).

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet, which can be obtained from www.crop.bayer.com.au.

EXCLUSION OF LIABILITY

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

Luna® is a Registered Trademark of the Bayer Group.

APVMA Approval No.: 65560/124721

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

GHS STATEMENTS

•May cause an allergic skin reaction. •May cause harm to breast-fed children.
•Do not breathe mists. •Avoid contact during pregnancy and while nursing. •Do not eat, drink or smoke when using this product. •IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention. •IF exposed or concerned: Get medical advice/ attention.