



**Luna<sup>®</sup>**  
**SENSATION**

# Users' guide for almonds

## Luna<sup>®</sup> Sensation targets four key diseases, to help deliver a healthy crop

Luna Sensation is the latest fungicide innovation in almonds from Bayer Crop Science. It contains a novel class of chemistry within the SDHI group and provides strong protection against four important diseases; allowing the trees to produce a healthy payload.

Luna Sensation has proven itself over six years of trials in Australia and is well established in the Californian almond industry. It is the first product registered in Australia to help with the management of hull rot and is very effective against blossom blight and rust.

There has been a heavy reliance on a small number of older fungicides in the almond industry. This technology represents a significant step towards sustainable disease management.

Growers can now introduce Luna Sensation early in the season to tackle blossom blight, shot hole and rust. Later, during hull split, the product can be used to manage hull rot and extend the protection against rust.

### MODE OF ACTION

Luna Sensation is a unique combination of the active ingredient fluopyram, a novel chemical within the 'SDHI' family, and trifloxystrobin. This combination targets the key almond diseases and provides unrivalled efficacy.

Fluopyram reduces a fungi's ability to germinate, colonise and sporulate on the plant's surface. It protects plant parts by adhering to the leaf and slowly penetrating it over time. It is then redistributed within the plant tissue acropetally and it has a translaminal effect, which allows the movement of product from the top of leaf to the underside, thereby protecting the plant's untreated surfaces. The trifloxystrobin component provides a robust barrier to the early stages of disease development by disrupting the respiration process within the fungi's cells.

### 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.



## LUNA SENSATION AT A GLANCE







Target diseases	Control:	Blossom blight ( <i>Monilinia</i> spp.) Shot hole ( <i>Wilsonomyces carpophilus</i> ) Stone fruit rust ( <i>Tranzschelia discolor</i> )
	Suppression:	Hull rot ( <i>Rhizopus</i> spp.)
Use rates	Blossom blight and stone fruit rust:	30 mL/100 L
	Hull rot and shot hole:	40 mL/100 L
Pack sizes	3 L and 10 L	
Adjuvant	Not required	
Concentrate spraying	Do not apply the product in a spray mix greater than 2X concentration	
Maximum sprays	Do not use more than 2 litres of product per hectare per season Do not apply more than 3 applications per season	
Withholding period	14 days	
Compatibility	For information on the compatibility of Luna Sensation with other products, contact your reseller or local Bayer Crop Science representative	
Poison Schedule	Schedule 5	

## HOW TO APPLY LUNA SENSATION

Good coverage is essential, so apply thoroughly and use the same total amount of product whether using dilute or concentrate spraying methods. For concentrate spraying, do not use at a concentration greater than twice the recommended dilute spraying rate.

For hull rot applications, it is recommended to spray at the full dilute rate, ensuring adequate coverage to the point of run-off. Targeting the hull split may require adjustments to application parameters such as the ground and air speed, water volume, nozzle selection and placement. For maximum performance, do not apply if rainfall is expected within 4 hours.

## WHEN TO APPLY LUNA SENSATION

Budswell	Full bloom	Shuck fall	Nut growth	Hull split	Harvest
					
Blossom Blight					
		Shot Hole			
				Hull Rot	
		Stone Fruit Rust			

Max 3 sprays per season

Images above provided by the Almond Board of Australia – [australianalmonds.com.au](http://australianalmonds.com.au)



[lunasensation.com.au](http://lunasensation.com.au)



### BLOSSOM BLIGHT



Apply Luna Sensation as part of a preventative spray program, starting at early blossom. The critical timing for protection against blossom blight extends from early blossom until shuck fall.

### STONE FRUIT RUST



Rust sprays should be applied at the first sign of rust infection, which is triggered by rainfall. Rust infections can occur throughout the season and can lead to defoliation if left unchecked.

### SHOT HOLE



Shot hole occurs following significant spring rains and where the disease has carried over from the previous year. It is important to protect the leaves from the end of flowering through to hull split. Apply as a preventative treatment.

### HULL ROT

Apply as hull split commences, and repeat at the first sign of infection.

Thorough coverage is critical for this disease, as the target surface is the opening split of the hull where the rhizopus fungus infects.

Dilute applications are recommended to improve coverage and efficacy. Hull rot severity is affected by a number of environmental and orchard management factors, so the fungicide program alone may only reduce rather than eliminate the impact of this disease.

A reduction in the percentage of nuts infected and a consequent reduction of nuts retained on the trees after harvest can be expected following applications as directed.



### KEY BENEFITS OF LUNA SENSATION

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| <p>✓ <b>Exceptional efficacy</b></p> <p>Luna Sensation has proven itself in several years of field trials to provide systemic and broad-spectrum disease control equal or superior to current leading fungicides.</p> | <p>✓ <b>Greater nut recovery</b></p> <p>Luna Sensation has shown it can reduce over 50% of almonds that would have remained in the tree after harvest if hull rot was left untreated.</p> | <p>✓ <b>Recommended rotation option</b></p> <p>Luna Sensation provides growers with an excellent product to rotate with other available fungicides for resistance management.</p> |
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Luna Sensation has a low impact on bees when used as directed. For more information contact your Bayer Representative.





[lunasensation.com.au](https://lunasensation.com.au)

Always consult the product label for detailed information.

The information and recommendations set out in this brochure are based on tests and data believed to be reliable at the time of publication. Results may vary, as the use and application of the products is beyond our control and may be subject to climatic, geographical or biological variables, and/ or developed resistance. Any product referred to in this brochure must be used strictly as directed, and in accordance with all instructions appearing on the label for that product and in other applicable 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.

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