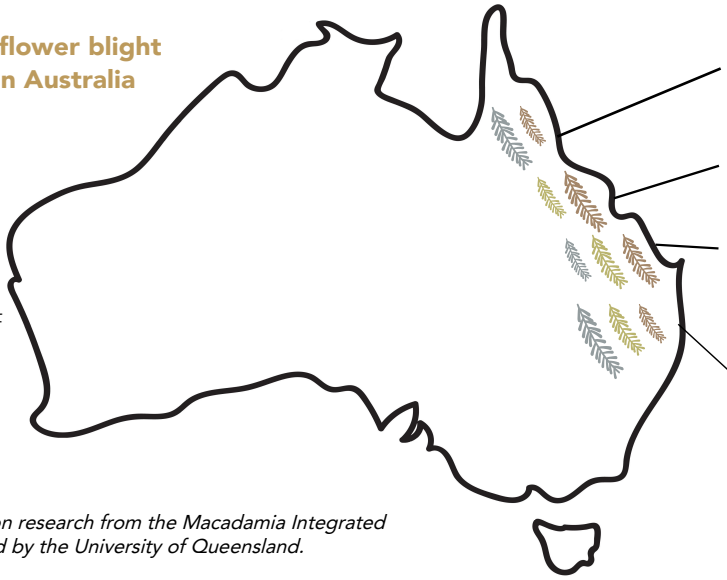
Macadamia flower blight prevalence in Australia



More data is required for prevalence in other parts of Australia.

Far North Qld - grey mould and some dry flower disease

Central Qld – mostly dry flower disease and some green mould prevalent

South East Qld - dry flower disease and green mould equally prevalent with grey mould occurring in some areas

NSW – grey and green mould most prevalent with less dry flower disease

Information based on research from the Macadamia Integrated Disease Program led by the University of Queensland.

	Grey mould *Botrytis*	**Green mould** *Cladosporium*	**Dry flower disease** *Pestalotiopsis complex*
What do I monitor for?	 • Brown to dark brown flowers clustered by grey fungal strands • Disease develops a **fuzzy grey** appearance on flowers	 • Brown necrotic flowers • Disease develops **olive green mould clumps** with fungal spore masses	 • **Dry looking, dark brown** flowers • Infected flowers dislodge easily
Weather conditions promoting occurrence	• Wet and cool conditions • Rain or humidity above 70% • 18 - 20°C	• Wet and warm conditions • Rain or humidity above 60% • 25 - 27°C	• Dry and warm conditions • Humidity below 40% • 25 - 30°C
	Wet ← → Dry		
	Cool ← → Warm		
Susceptible flower stages	• Open flower stages	• All flower stages	• All flower stages, including raceme elongation
Cultural controls	• Open, well-ventilated canopies - spores mainly carried in water droplets • Sunlight distributed throughout canopies - with temperatures above 35°C, there is low risk of flower diseases		
Chemical controls	✓ Tebuconazole and Fluopyram (Luna Experience) registered for botrytis only. Group 3+7 fungicide. Protective spray with limited curative action. Apply to green flowers.		
	✓ Penthioryrad (Fontelis) registered for flower blights. Group 7 fungicide. Protective spray with limited curative action. Apply to green flowers.		
	✓ Pyraclostrobin and Fluxapyroxad (Merivon) registered for flower blights. Group 7+11 fungicide. Protective spray with limited curative action. Apply to green flowers.		
	✗ Iprodione is registered for botrytis, but this Group 2 fungicide has since been banned in many export markets. Use in macadamia for any disease can result in rejection of nuts by your processor.		

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AUSTRALIAN MACADAMIA SOCIETY