



## Passionfruit Agrichemical Regulatory Risk Assessment June 2025

Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use. For older agrichemicals, these pressures are often the result of reconsiderations involving new or refined risk assessment methodologies that require the generation of new data. A consequence of which can be that many of these agrichemicals are not meeting contemporary risk assessment standards as the necessary data is unavailable, or where data is available, the risk posed is considered unacceptable.

The use of agrichemicals can also be impacted through differences in standards between trading partners. The lack of an appropriate pesticide maximum residue limit (MRL) in an importing country can, for practical purposes, effectively prohibit use in the exporting country to ensure compliance, as a MRL breach would adversely affect market access.

The effects of the above are greater regulatory pressure placed on the use of individual agrichemicals or chemical groups. Consequently, the number of approved agrichemical options could be adversely impacted.

To assist strategic planning, with respect to future pest management options, the following tables have been developed to highlight the regulatory threats to agrichemicals currently approved for the management of the pests and diseases in **passionfruit** in Australia, as well as assisting with any current initiatives aimed at identifying and addressing pest management deficiencies.

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<b>R1</b>	<b>Short-term risk: Critical concern over retaining access &lt; 1 year</b>
<b>R2</b>	<b>Medium-term risk: Maintaining access of significant concern &lt;2-5 years</b>
<b>R3</b>	<b>Long-term risk: Potential issues associated with use – Monitoring required &lt; 5 years</b>
<b>R4</b>	<b>No current risk / concerns</b>

Blue text = new APVMA approved uses

### INSECTS AND OTHER PESTS

Active constituent	MoA group	Insects and other pests	Risks & Comments
Abamectin	6	Passionvine mite	Australia: <a href="#">APVMA nominated for reconsideration</a> after 2029. EU: Approved. Canada: In review.
		Two-spotted mite	
Acetamiprid + pyriproxyfen	4A + 7C	Fruit-spotting bugs (PER89943)	PER89943 expires 30/11/2025. <b>Acetamiprid:</b> Australia: <a href="#">APVMA: Currently under review</a> . Proposed regulatory decisions expected between Dec. 2025 to Oct. 2026. EU: Approved. UK: Approved. Canada: In review. USA: Upcoming review. <b>Pyriproxyfen:</b> EU: Approved. UK: Approved. Canada: No current review.
		Fruit flies (PER89943)	
		Leaf hoppers (PER89943)	
		Mealybug (PER89943)	
<i>Bacillus thuringiensis</i>	11C	Susceptible Lepidoptera	
Buprofezin	16	Mealybug	EU: Approved. UK: Approved. Canada: No current review.
		Scale insects	
Chlorpyrifos	1B	Queensland fruit fly	Australia: The APVMA issued a <a href="#">Final Decision</a> on 30 September 2024. Use on passionfruit was cancelled. Products with previously approved labels must not be possessed or used after September 30, 2025. Codex: All MRLs deleted   EU: Not approved   Canada: All uses cancelled 2023   USA: Upcoming review
Dimethoate	1B	Fruit flies (PER13859 – post harvest orchard clean up)	PER13859 expires 31/05/2030. Australia: <a href="#">APVMA reconsideration</a> . Prioritised to be commenced by 2029. EU: Not approved. Canada: In review. USA: Upcoming review.
Etoxazole	10B	Passionvine mite (PER88379)	PER88379 expires 31/12/2028. Australia: No current concerns.
		Two-spotted mite (PER88379)	

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			EU: Approved, candidate for substitution. UK: Approved. Canada: No current review.
Fenbutatin oxide	12B	Passionvine mite (PER90591)	PER90591 expires 31/07/2027. Australia: <a href="#">APVMA nominated for reconsideration</a> . EU: Not approved. Canada: In review. USA: Upcoming review.
		Two-spotted mite (PER90591)	
Flupyradifurone	4D	Banana spotting bug / fruit spotting bugs	
		Green plant hopper	
		Mango plant hopper	
Lambda-cyhalothrin	3A	Fruit flies (PER12961 – SA biosecurity – soil drench)	PER12961 expires 31/03/2030. Australia: No current concerns. EU: Approved, candidate for substitution. UK: Approved. Canada: No current review.
Malathion	1B	Fruit flies	Australia: The <a href="#">final regulatory decision</a> was published in an APVMA Special Gazette on 2 May 2024. Labels containing malathion as an active constituent have been varied. Products bearing previously approved labels must not be supplied after 1 May 2026. EU: Approved. UK: Withdrawn. Canada: In review. USA: Upcoming review.
Paraffinic oil	-	Hemispherical scale	PER14662 expires 31/03/2030. Australia: No current concerns.
		Passionvine mealybug	
		Red scale	
		Passionvine mite (PER14662)	
		Two-spotted mite (PER14662)	
Propargite	12C	Passionvine mite	Australia: <a href="#">APVMA reconsideration</a> . Prioritised to be commenced by 2029. EU: Not approved. Canada: No current review. USA: Upcoming review.
Pyrethrins	3A	Ants	Australia: No current concerns. EU: Approved.
		Aphids	

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		Caterpillars	UK: Approved. Canada: No current review.
		Leafhoppers	
		Thrips	
		Whiteflies	
Spinetoram	5	Flower eating caterpillars	Australia: No current concerns. EU: Not approved. UK: Withdrawn. Canada: In review. Codex: MRL set at 0.4 mg/kg (2018).
		Leafroller caterpillars	
		Loopers	
		Redbanded thrips	
		Sorghum head caterpillar	
		Yellow peach moth	
Spinosad	5	Flower eating caterpillars	PER89870 expires 31/07/2025. Australia: Reviewed in 2014. No current concerns. EU: Approved. UK: Approved. Canada: In review. Codex: MRL set at 0.7 mg/kg (2012).
		Leafroller caterpillars	
		Loopers	
		Redbanded thrips	
		Sorghum head caterpillar	
		Yellow peach moth	
		Fall armyworm (PER89870)	
Spirotetramat	23	Citrus mealybug	Australia: No current concerns. EU: Not approved. UK: Approved. Canada: In review.
		Red scale	
Sulfoxaflor	4C	Banana-spotting bug / fruit spotting bug	Australia: No current concerns. EU: Approved. UK: Approved. Canada: No current review.
		Black scale	
		Citrus snow scale	
		Red scale	
		Citrus mealybug	
		Longtailed mealybug	
		Passionvine mealybug	
Trichlorfon	1B	Green vegetable bug	PER12450 expires 30/11/2025. Australia: <a href="#">APVMA nominated for reconsideration</a> . EU: Not approved. Canada: No current review. USA: Upcoming review.
		Passionvine bug	
		Fruit flies (PER12450)	

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### DISEASES

Active constituent	MoA Group	Disease	Risks & Comments
Azoxystrobin	11	Alternaria spot	Australia: No current concerns. EU: Approved. UK: Approved. Canada: In review.
		Scab	
Copper	M1	Alternaria spot	
		Brown spot	
		Phytophthora blight	
		Root and collar rot	
		Septoria spot	
		Trunk canker	
Fluopyram + tebuconazole	7 + 3	Anthracoise	<b>Fluopyram:</b> EU: Approved. UK: Approved. Canada: No current review. <b>Tebuconazole:</b> Australia: <a href="#">APVMA: Removed from nomination list</a> - maintain watching brief. EU: Approved, candidate for substitution. UK: Approved. Canada: In review. USA: Upcoming review. Codex: MRL set at 0.1 mg/kg (2012).
		Brown spot	
		Septoria spot	
Fluopyram + trifloxystrobin	7 + 11	Brown spot	<b>Fluopyram:</b> EU: Approved. UK: Approved. Canada: No current review. <b>Trifloxystrobin:</b> Australia: No current concerns. EU: Approved. UK: Approved. Canada: In review.
		Septoria spot	
Iprodione	2	Alternaria spot	Australia: No current concerns. EU: Not approved. Canada: Several food crop uses deleted. USA: Upcoming review.
		Brown spot	
Mancozeb	M3	Alternaria spot	Australia: <a href="#">APVMA reconsideration</a> . Prioritised to be commenced by 2027. EU: Not approved. UK: Withdrawn.
		Brown spot	
		Septoria spot	

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			Canada: No current review. USA: Upcoming review.
Phosphorous acid	<b>33</b>	Phytophthora blight (PER87607)	PER87607 expires 28/02/2029.
Pyraclostrobin	<b>11</b>	Anthracnose (PER12781)	PER12781 expires 30/04/2028.
		Septoria spot (PER12781)	EU: Approved. UK: Approved. Canada: In review. Codex: MRL set at 0.2 mg/kg (2019).

### WEEDS

Active constituent	MoA Group	Weed	Risks & Comments
Clethodim (non-bearing vines)	<b>1</b>	Various grasses.	Australia: No current concerns. EU: Approved. UK: Approved. Canada: No current review.
Diquat	<b>22</b>	Various broadleaf weeds and grasses.	<u>APVMA proposed decisions published July 2024. Only uses up to 283gai/ha to be kept. Publication of the final regulatory decision is expected in December 2025.</u> Codex: No MRLs. EU: Not approved (withdrawn in 2018). UK: Not approved. USA: Registered (under review).
Fluazifop-p	<b>1</b>	Various grasses.	Australia: <a href="#">APVMA nominated for reconsideration</a> and for targeted spray drift reconsideration. Canada: No current review.
Glufosinate-ammonium	<b>10</b>	Various broadleaf and grass weeds.	Australia: <a href="#">APVMA: Nominated for targeted spray drift reconsideration</a> (potential risk to vegetation, natural aquatic and bystander areas). Canada: In review. Codex: Assorted tropical and sub-tropical fruits – inedible peel MRL set at 0.1 mg/kg (2013).
Glyphosate	<b>9</b>	Various broadleaf weeds and grasses. (PER14421)	PER14421 expires 31/05/2028. Australia: <a href="#">APVMA nominated for reconsideration</a> for targeted spray drift reconsideration. EU: Approved. UK: Approved. Canada: No current review. USA: Upcoming review.

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Haloxyfop-P	1	Various annual and perennial weeds.	
Oryzalin	3	Various broadleaf weeds and grasses.	EU: Not approved. UK: Withdrawn.
Oxyfluorfen	14	Various broadleaf weeds and grasses.	EU: Approved, candidate for substitution. UK: Withdrawn. Canada: In review. USA: Upcoming review.
Paraquat	22	Various broadleaf weeds and grasses.	APVMA proposed decisions July 2024. Only uses up to 231gai/ha to be kept. Publication of the final regulatory decision is expected in <u>December 2025</u> . Codex: No MRLs Canada: Not approved. EU and UK: Not approved (2007). USA: Restricted use (under review).

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