

## **Passionfruit Agrichemical Regulatory Risk Assessment**

**November 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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 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 crops in Australia, as well as assisting with any current initiatives aimed at identifying and addressing pest management deficiencies.

R0	Use no longer approved
R1	Short-term: Critical concern over retaining access < 1 year
R2	Medium-term: Maintaining access of significant concern <2-5 years
R3	Long-term: Potential issues associated with use – Monitoring required < 5 years
R4	No current risk/concerns

## Passionfruit - Agrichemical Regulatory Risk Assessment

### INSECTICIDES/MITICIDES/NEMATOCIDES - Insect and other pests

Blue text = new APVMA approved uses

Active Constituent	MoA Group	Pest	Risks and Comments
ABAMECTIN	6	Passionvine mite	Australia: <a href="#">APVMA nominated for reconsideration and spray drift assessment</a> . Canada: Re-evaluation finalised. Label amendments to mitigate risks to human health and environment (July, 2025)
ACETAMIPRID   PYRIPROXYFEN	4A + 7C	PER89943 for the control of Fruit Spotting Bugs Mealybugs Scale Insects Passionvine Hoppers Leafhoppers  Suppression only: Mediterranean Fruit Fly Queensland Fruit Fly	Permit PER89943 Expiry date: 30/09/2027  ACETAMIPRID APVMA: <a href="#">Currently under review</a> . Proposed regulatory decisions expected between December 2025 to October 2026. Canada: In re-evaluation USA: Under Registration Review (scheduled)  PYRIPROXYFEN Australia: No current concerns.
<i>Bacillus thuringiensis</i>	11A	Armyworm Cotton bollworm Native budworm Cabbage moth Cabbage white butterfly Loopers Lightbrown apple moth Vine moth	Australia: No current concerns. USA: Under Registration Review (scheduled)
BUPROFEZIN	16	Mealybug	Australia: No current concerns.

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CHLORPYRIFOS	1B	--	Australia: <a href="#">The chemical review was completed in September 2024.</a> Most uses in horticultural crops were removed. After 30 September 2025, products with previously approved labels must not be supplied. The only remaining approved use is in Brassica crops as specified on current labels. EU: Not approved Canada: Cancelled USA: Agricultural uses cancelled. Very few registrations as Restricted Use Pesticide.
DIMETHOATE	1B	PER13859 for the control of fruit fly	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2029.</a> EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
ETOXAZOLE	10B	PER88379 for the control of Passionvine Mite and Two Spotted Mite	Australia: No current concerns. Permit PER88379 Expiry date: 31/12/2028 EU: Approved, candidate for substitution.
FENBUTATIN OXIDE	12B	PER90591 for the control of Passionvine mite and Two-Spotted mite	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Permit PER90591 Expiry date: 31/07/2027 EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
FLUPYRADIFURONE	4D	Banana spotting bug / fruit spotting bugs	Australia: No current concerns.
LAMBDA-CYHALOTHRIN	3A	PER12961 for the control of Mediterranean Fruit Fly & Queensland Fruit Fly	Australia: No current concerns. Permit PER12961 Expiry date: 31/03/2030 EU: Approved, candidate for substitution.
PARAFFINIC OIL	UNM	Hemispherical scale	Australia: No current concerns.
PETROLEUM OIL	UN	PER14662 for the control of Passionvine mite and Two-spotted mites	Australia: No current concerns. Permit PER14662 Expiry date: 31/03/2030 EU: Not approved

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PROPARGITE	12C	Passionvine mite	Australia: <a href="#">APVMA reconsideration. Prioritised to be commenced by 2029.</a> EU: Not approved Canada: Cancelled USA: Under Registration Review (scheduled)
PYRETHRINS	3A	Fruitfly, Rutherglen bug, Spiders	Australia: No current concerns.
SPINETORAM	5	Flower eating caterpillars	Australia: No current concerns. Codex MRL: 0.4 mg/Kg EU: Not approved UK: Withdrawn (2024). Canada: In re-evaluation
SPINOSAD	5	Flower eating caterpillars  PER89870 for the control of Fall Armyworm	Australia: No current concerns. Permit PER89870 Expiry date: 31/10/2030 Codex MRL: 0.7 mg/Kg Canada: In re-evaluation
SPIROTETRAMAT	23	Citrus mealybug Red scale	Australia: No current concerns. EU: Not approved Canada: In re-evaluation
SULFOXAFLOX	4C	Banana-spotting bug / fruit spotting bug	Australia: No current concerns.
TRICHLORFON	1B	Green vegetable bug  PER12450 for the control of Fruit fly	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Permit PER12450 Expiry date: 31/08/2030 EU: Not approved Canada: Cancelled USA: Under Registration Review (scheduled)

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### FUNGICIDES – Disease Control

Active Constituent	MoA Group	Pest	Risks and Comments
AZOXYSTROBIN	11	Alternaria spot Scab	Australia: No current concerns. Canada: In re-evaluation
<i>Bacillus amyloliquefaciens</i> STRAIN QST 713	BM02	Anthrachnose ( <i>Colletotrichum</i> spp.) (suppression only), stem end rot (suppression only)	Australia: No current concerns.
COPPER	M1	Brown Spot Septoria Spot Phytophthora Blight / Stem canker Alternaria spot	Australia: No current concerns.
FLUOPYRAM + TEBUCONAZOLE	7 + 3	Anthrachnose Septoria spot Brown spot	FLUOPYRAM Australia: No current concerns.  TEBUCONAZOLE Australia: APVMA: Removed from nomination list - maintain watching brief Codex MRL: 0.1 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation USA: Under Registration Review (scheduled)
FLUOPYRAM + TRIFLOXYSTROBIN	7 + 11	Brown spot Septoria spot	FLUOPYRAM Australia: No current concerns.  TRIFLOXYSTROBIN Australia: No current concerns. Canada: In re-evaluation
IPRODIONE	2	Alternaria spot Brown spot	Australia: No current concerns. EU: Not approved USA: Under Registration Review (scheduled)

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Active Constituent	MoA Group	Pest	Risks and Comments
MANCOZEB	M3	Alternaria spot Brown spot Septoria spot	Australia:APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved UK: Withdrawn (2024). USA: Under Registration Review (scheduled)
PHOSPHOROUS (PHOSPHONIC) ACID	P07 (33)	PER87607 for the control of Phytophthora	Australia: No current concerns. Permit PER87607 Expiry date: 28/02/2029
PYRACLOSTROBIN	11	PER12781 for the control of Anthracnose & Septoria spot	Australia: No current concerns. Permit PER12781 Expiry date: 30/04/2028 Codex MRL: 0.2 mg/Kg Canada: In re-evaluation

### HERBICIDES – Weed Control

Active Constituent	MoA Group	Risks and Comments
CLETHODIM	1	Australia: No current concerns.
DIQUAT	22	Australia: APVMA: <a href="#">Currently under review</a> Publication of the final regulatory decision is now expected in Mid 2026. EU: Not approved USA: No agricultural uses allowed. Aquatic herbicide.
FLUAZIFOP-P	1	Australia: No current concerns
GLUFOSINATE-AMMONIUM	10	Australia: <a href="#">APVMA Nominated for targeted spray drift reconsideration</a> Codex MRL: 0.1 mg/Kg EU: Not approved Canada: In re-evaluation
GLYPHOSATE	9	Australia: <a href="#">APVMA Nominated for targeted spray drift reconsideration</a> Permit PER14421 Expiry date: 31/05/2028 USA: Under Registration Review (scheduled)

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Active Constituent	MoA Group	Risks and Comments
HALOXYFOP	1	Australia: No current concerns. EU: Not approved
ORYZALIN	3	Australia: No current concerns. EU: Not approved UK: Withdrawn (2024).
OXYFLUORFEN	14	Australia: No current concerns. EU: Approved, candidate for substitution. UK: Withdrawn (2024). Canada: In re-evaluation USA: Under Registration Review (scheduled)
PARAQUAT	22	Australia: APVMA: <a href="#">Currently under review</a> . Publication of the final regulatory decision is now expected in Mid 2026. Candidate chemical recommended to be listed to Rotterdam Convention. Codex MRL: 0.01 mg/Kg EU: Not approved Canada: Cancelled USA: Restricted use

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### FUMIGANTS – Mixed Function

Active Constituent	Use	Risks and Comments
CHLOROPICRIN + 1,3-DICHLOROPROPENE	Control of soil borne diseases, plant parasitic Nematodes, Symphylans and Wireworms	<p>CHLOROPICRIN Australia: No current concerns. EU: Not approved USA: Restricted use</p> <p>1,3-DICHLOROPROPENE Australia: No current concerns. EU: Pending Canada: Cancelled</p>
DAZOMET	Control of bacterial spot (Xanthomonas spp.) (suppression only). Soil insects and nematodes	<p>Australia: No current concerns. USA: Under Registration Review (scheduled)</p>
ETHANEDINITRILE	Soil borne pathogens, nematodes and weeds	Australia: No current concerns.
METHAM PRESENT AS SODIUM SALT	Germinating weeds and soil-borne fungus diseases	Australia: No current concerns.



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