



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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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

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

Blue text = new APVMA approved uses

INSECTS AND OTHER PESTS

Active constituent	MoA group	Insects and other pests	Risks & Comments
Abamectin	6	Two-spotted (red spider) mite	Australia: APVMA nominated for reconsideration and spray drift assessment. EU: Approved. Canada: In review.
		Fruit flies	
Acetamiprid + pyriproxyfen	4A + 7C	Cotton seed bug (PER91601)	PER91601 expires 31/03/2026. Acetamiprid: Australia: APVMA: Currently under review . Proposed regulatory decisions expected between Dec. 2025 to Oct. 2026. EU: Approved. UK: Approved. Canada: In review. USA: Upcoming review. Codex: Berries and other small fruits MRL set at 2 mg/kg (2012). Pyriproxyfen: EU: Approved. UK: Approved. Canada: No current review.
		Fruit flies (PER91601 – suppression only)	
		Green potato bug (PER91601)	
		Green vegetable bug (PER91601)	
		Leafhoppers / plant hoppers (PER91601)	
		Light brown apple moth (PER91601)	
		Scale insects (PER91601)	
Afidopyropen	9D	Green peach aphid (PER90178)	PER90178 expires 28/02/2027. Australia: No current concerns. EU: Not approved. UK: No registrations. Canada: No current review. USA: Approved.
		Greenhouse whitefly (PER90178)	
Bifenazate	20D	European red mite (PER14425)	PER14425 expires 31/07/2028. EU: Approved. UK: Approved. Canada: In review. Codex: Blackberries MRL set at 7 mg/kg (2011). Codex: Raspberries MRL set at 7 mg/kg (2011).
		Two-spotted (red spider) mite (PER14425)	
Bifenthrin	3A	Red-shouldered leaf beetle (PER84972)	PER84972 expires 30/11/2027. Australia: APVMA nominated for reconsideration .
		Plague thrips (PER84972)	

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			EU: Not approved. Canada: No current review. Codex: Blackberries MRL set at 1 mg/kg (2011). Codex: Raspberries MRL set at 1 mg/kg (2011).
Carbaryl	1A	Raspberry fruit caterpillar	Australia: No current concerns. EU: Not approved. Canada: In review. USA: Upcoming review. Codex: No MRLs.
		Weevils	
		Armyworms (raspberries)	
		Grasshoppers (raspberries)	
		Light brown apple moth (raspberries)	
		Mealybugs (raspberries)	
		Rutherglen bug (raspberries)	
		Wingless grasshopper (raspberries)	
Dimethoate	1B	Aphids	PER13859 expires 31/05/2030. Australia: APVMA reconsideration . Prioritised to be commenced by 2029. EU: Not approved. Canada: In review. USA: Upcoming review.
		Jassids	
		Redlegged earth mite	
		Rutherglen bug	
		Spider mite	
		Strawberry bug	
		Thrips	
		Fruit flies (PER13859 – post-harvest orchard clean up)	
Emulsifiable botanical oil	-	Two-spotted (red spider) mite (PER14234)	PER14234 expires 31/05/2028.
Etoxazole	10B	Bean spider mite (PER89406)	PER89406 expires 31/01/2026. Australia: No current concerns. EU: Approved, candidate for substitution. UK: Approved. Canada: No current review
		Two-spotted (red spider) mite (PER89406)	
Fenbutatin oxide	12B	Bean spider mite (PER89407)	PER89407 expires 28/02/2026. Australia: APVMA nominated for reconsideration . EU: Not approved. Canada: In review. USA: Upcoming review. Codex: To be reviewed by JMPR.
		Broad mite (PER89407)	
		European red mite (PER89407)	
		Red berry mite (PER89407)	
		Two-spotted (red spider) mite (PER89407)	
Fipronil	2B	English (common) wasp (PER86492)	PER86492 expires 31/08/2026.
		European wasp (PER89402 + PER86492)	PER89402 expires 30/04/2027.

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		Fruit fly trap toxicant	Australia: APVMA: Currently under review . Proposed regulatory decision expected by April 2026. EU: Not approved. USA: Upcoming review. Codex: Re-evaluation underway.
Flonicamid	29	Aphids (PER89214)	PER89214 expires 28/02/2027. Canada: No current review.
		Green vegetable bug (PER89214)	
		Greenhouse whitefly (PER89214)	
		Jassids (PER89214)	
		Rutherglen bug (PER89214)	
Helicoverpa NPV (nuclear polyhedrosis virus)	31	Helicoverpa species	Australia: No current concerns. EU: Approved.
Indoxacarb	22A	Elephant weevil borer (PER13289)	PER13289 expires 31/05/2028. EU: Not approved. UK: Withdrawn.
		Light brown apple moth (product and PER13289)	
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. Codex: Berries and other small fruits MRL set at 0.2 mg/kg (2009).
Malathion	1B	Fruit flies	Australia: The final regulatory decision 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. Codex: Re-evaluation scheduled.
Metham present as sodium salt	-	Nematodes	Australia: APVMA: no current concerns.
		Symphylids	
Orange oil (raspberries)	-	Silverleaf whitefly	Australia: No current concerns. EU: Approved. UK: Approved. Canada: No current review.
		Two-spotted mite	

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Permethrin	3A	European wasp (PER85743)	PER85743 expires 31/03/2028. Australia: APVMA nominated for reconsideration . EU: Not approved. Canada: No current review. Codex: Blackberries MRL set at 1 mg/kg. Raspberries MRL set at 1 mg/kg. Codex: Re-evaluation scheduled. Support uncertain.
Petroleum oil	UNM	Scale insects (PER13957) Two-spotted (red spider) mite (PER13957)	PER13957 expires 31/12/2027. Australia: No current concerns.
Pirimicarb	1A	Aphids Green peach aphid (blackberries)	Australia: No current concerns. EU: Approved, candidate for substitution. UK: Approved. Canada: No current review. USA: No registrations. Codex: Berries and other small fruits MRL set at 1 mg/kg (2007). JMPR re-evaluation scheduled.
Pyrethrins	3A	Fruit flies Green stink bug (PER80070) Green vegetable bug (PER80070) Red-shouldered leaf beetle (PER80070)	PER80070 expires 31/10/2025. Australia: No current concerns. EU: Approved. UK: Approved. Canada: No current review.
Spinetoram	5	Helicoverpa species Light brown apple moth Loopers Western flower thrips Fruit flies (PER87408)	PER87408 expires 28/02/2029. Australia: No current concerns. EU: Not approved. UK: Withdrawn. Canada: In review. Codex: Raspberries MRL set at 0.8 mg/kg (2013).
Spinosad	5	Caterpillars Light brown apple moth Loopers Western flower thrips Fall armyworm (PER89870)	PER89870 expires 31/07/2025. Australia: Reviewed in 2014. No current concerns. EU: Approved. UK: Approved. Canada: In review. Codex: Blackberries MRL set at 1 mg/kg (2012). Codex: Raspberries MRL set at 1 mg/kg (2012).
Sulfoxaflor	4C	Cotton seed bug (PER90208)	PER90208 expires 30/04/2027. Australia: No current concerns.

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			EU: Approved. UK: Approved. Canada: No current review.
Sulfur	M2	Bean spider mite (blackberries PER87245)	PER87245 expires 28/02/2029. Australia: No current concerns.
		Broad mite (blackberries PER87245)	
		Red berry mite (blackberries PER87245)	
		Two-spotted mite (blackberries PER87245)	
Trichlorfon	1B	Queensland and Mediterranean fruit flies (PER12486)	PER12486 expires 31/03/2026. Australia: APVMA nominated for reconsideration . EU: Not approved. Canada: No current review. USA: Upcoming review.

OTHER

Active constituent	MoA Group	Claim	Risks & Comments
Copper (present as a buffered copper complex)	M1	Barrier snail and slug repellent	

DISEASES

Active constituent	Chemical Group	Disease	Risks & Comments
<i>Aureobasidium pullulans</i>	NC	Anthracnose	
		Botrytis flower and fruit rot	
		Botrytis / grey mould	
		Phomopsis fruit rot	
		Rhyzopus fruit rot	
<i>Agrobacterium radiobacter</i>	-	Crown gall (PER13150)	PER13150 expires 30/09/2027.
Azoxystrobin	11	Anthracnose	Australia: No current concerns. EU: Approved. UK: Approved. Canada: In review.
		Botrytis / grey mould	
		Blossom blight	
		Cane spot	

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		Caldostporium rot	Codex: Berries and other small fruits MRL set at 5 mg/kg (2009).
<i>Bacillus amyloquefaciens</i>	BM02	Botrytis / grey mould (PER88058)	PER88058 expires 31/08/2027.
Boscalid + pyraclostrobin	7 + 11	Grey mould (PER82986)	PER82986 expires 30/06/2029.
		Anthracnose (PER82986)	Boscalid: Australia: No current concerns.
		Alternaria leaf spot and fruit rot (PER82986)	EU: Approved.
		Leaf spot and blotch (PER82986)	UK: Approved.
		Monilinia blight (PER82986)	Canada: In review.
		Phomopsis (PER82986)	Codex: Berries and other small fruits MRL set at 10 mg/kg (2010).
		Powdery mildew (PER82986)	Pyraclostrobin: EU: Approved.
		Rust – suppression only (PER82986)	UK: Approved.
Captan	M4	Botrytis flower and fruit rot (PER13958)	Canada: In review.
		Cane spot (PER13958)	Codex: Blackberries MRL set at 3 mg/kg (2012).
		Spur blight (PER13958)	Codex: Raspberries MRL set at 3 mg/kg (2012).
Chlorothalonil	M5	Botrytis / grey mould (PER14449)	PER13958 expires 31/08/2025.
		Downy mildew (PER14449)	EU: Approved.
		Rust (PER14449)	UK: Approved.
		Septoria leaf spot (PER14449)	Canada: No current review.
Copper	M1	Downy mildew	Codex: Raspberries MRL set at 20 mg/kg (2005). Review scheduled for 2025.
		Spur blight	PER14449 expires 31/03/2027.
		Leaf diseases / spots (registered product and PER14443)	Australia: APVMA reconsideration . Prioritised to be commenced by 2028.
		Rust (registered product and PER14443)	EU: Not approved.
Cyprodinil + fludioxonil	9 + 12	Botrytis / grey mould (PER14422)	Canada: In review.
			USA: Upcoming review.
			PER14443 expires 31/10/2028.
			PER14422 expires 31/07/2025.
Cyprodinil + fludioxonil	9 + 12	Botrytis / grey mould (PER14422)	Cyprodinil: Australia: No current concerns.
			EU: Approved - candidate for substitution.
			UK: Approved.
			Canada: In review.
Cyprodinil + fludioxonil	9 + 12	Botrytis / grey mould (PER14422)	Codex: Berries and other small fruits MRL set at 10 mg/kg (2014).
			Fludioxonil: Australia: No current concerns.

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			EU: Approved - candidate for substitution. UK: Approved. Canada: No current review. Codex: Blackberries MRL set at 5 mg/kg (2006). Codex: Raspberries MRL set at 5 mg/kg (2006).
Fenhexamid	17	Botrytis / grey mould	EU: Approved. UK: Approved. Canada: No current review. Codex: Blackberries MRL set at 15 mg/kg (2006). Codex: Raspberries MRL set at 15 mg/kg (2006).
Fluopyram + trifloxystrobin	7 + 11	Grey mould	Fluopyram: Australia: No current concerns. EU: Approved. UK: Approved. Canada: No current review. Trifloxystrobin: Australia: No current concerns. EU: Approved. UK: Approved. Canada: In review.
Iodine	M	Bactericide	Australia: No current concerns. Canada: No current review.
Iprodione (boysenberry, raspberry and youngberry)	2	Botrytis / grey mould	Australia: No current concerns. EU: Not approved. Canada: Several food crop uses deleted. USA: Upcoming review. Codex: Review scheduled.
Isofetamid	7	Grey mould	EU: Approved. UK: Approved. Canada: No current review.
Mancozeb	M3	Mildew (PER13958)	PER13958 expires 31/08/2025.
		Botrytis / grey mould (PER13958)	Australia: APVMA reconsideration . Prioritised to be commenced by 2027.
		Rust (PER13958)	EU: Not approved. UK: Withdrawn. Canada: No current review. USA: Upcoming review. Codex: To be reviewed.
Mancozeb + metalaxyl-M	M3 + 4	Downy mildew (PER84973)	PER84973 expires 31/12/2027. Mancozeb: Australia: APVMA reconsideration . Prioritised to be commenced by

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			<p>2027.</p> <p>EU: Not approved.</p> <p>UK: Withdrawn.</p> <p>Canada: Most of uses cancelled.</p> <p>USA: Upcoming review.</p> <p>Metalaxyl-M: Australia: No current concerns.</p> <p>EU: Approved.</p> <p>UK: Approved.</p>
Metalaxyl / Metalaxyl-M	4	Phytophthora (PER13958) Downy mildew (PER84973)	PER13958 expires 31/08/2025. PER84973 expires 31/12/2027. Metalaxyl: Australia: No current concerns. EU: Approved - candidate for substitution. UK: Approved. Canada: In review. Metalaxyl-M: EU: Approved. UK: Approved.
Metham present as sodium salt	-	Fungus diseases including rhizoctonia, pythium, fusarium, phytophthora, verticillium, sclerotinia and club root of crucifers.	Australia: APVMA: no current concerns.
Myclobutanil	3	Yellow rust (PER92308)	PER92308 expires 31/10/2025. Australia: APVMA nominated for reconsideration . EU: Not approved. UK: Withdrawn. Canada: In review.
Orange oil (raspberries)	-	Powdery mildew	Australia: No current concerns. EU: Approved. UK: Approved. Canada: No current review.
Oxathiapiprolin	49	Phytophthora root rot (PER91060 – hydroponic substrate or field grown)	PER91060 expires 31/10/2029. EU: Approved. UK: Approved. Canada: No current review.
Phosphorous acid	33	Phytophthora (PER13958)	PER13958 expires 31/08/2025.
Polyoxin D zinc salt	19	Grey mould Powdery mildew	Canada: No current review.
Propamocarb +	28 + 43	Downy mildew (PER93024)	PER93024 expires 31/08/2026.

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fluopicolide			
Pydiflumetofen + fludioxonil	7 + 12	Grey mould (<i>botrytis cinerea</i>)	Pydiflumetofen: Australia: No current concerns. EU: Pending. UK: Approved. Canada: In review. Fludioxonil: Australia: No current concerns. EU: Approved, candidate for substitution. UK: Approved. Canada: No current review. Codex: Blackberries MRL set at 5 mg/kg (2006). Codex: Raspberries MRL set at 5 mg/kg (2006).
Pyrimethanil	9	Botrytis / grey mould (PER13958)	PER13958 expires 31/08/2025. EU: Approved. UK: Approved. Canada: In review. Codex: Blackberries MRL set at 15 mg/kg (2016). Codex: Raspberries MRL set at 15 mg/kg (2016).
Triadimenol	3	Powdery mildew (PER13958)	PER13958 expires 31/08/2025. Australia: APVMA nominated for reconsideration after 2029. EU: Not approved. Canada: No current review.

WEEDS

Active constituent	MoA Group	Weed	Risks & Comments
Carfentrazone-ethyl	14	Various broadleaf weeds.	EU: Approved. UK: Approved. Canada: In review.
Dichlobenil (raspberries)	0	Various broadleaf weeds and annual grasses.	EU: Not approved. Canada: In review.
Glufosinate-ammonium	10	Primocane and sucker control	Australia: APVMA: Nominated for targeted spray drift reconsideration (potential risk to vegetation, natural aquatic and bystander areas). Canada: In review.
Glufosinate-ammonium + carfentrazone-ethyl	10	Various broadleaf weeds and grasses.	Glufosinate-ammonium: Australia: APVMA: Nominated for targeted spray drift reconsideration (potential risk to vegetation, natural aquatic and bystander areas).

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			Canada: In review. Codex: Raspberries MRL set at 0.1 mg/kg (2013). Carfentrazone-ethyl: EU: Approved. UK: Approved. Canada: In review.
Glyphosate	9	Various annual and perennial weeds.	Australia: APVMA nominated for reconsideration for targeted spray drift reconsideration. EU: Approved. UK: Approved. Canada: No current review. USA: Upcoming review.
Metham present as sodium salt	-	Germinating weed seeds including winter grass, prince of Wales feather and fat hen.	Australia: APVMA: no current concerns.
Oryzalin	3	Various broadleaf weeds and grasses.	EU: Not approved. UK: Withdrawn.
Simazine	5	Various broadleaf weeds and grasses.	EU: Not approved.

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