

Cherry

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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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

Cherry Agrichemical Regulatory Risk Assessment

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
(E,E) 8,10 dodecadien-1-ol	-	Codling moth	Pheromone – no concerns
(Z)-8-dodecen-1-yl acetate E-8-dodecen-1-yl acetate Z-8-dodecen-1-ol	-	Oriental fruit moth	Pheromone – no concerns
1-dodecanol (E,E) 8,10 dodecadien-1-ol dodecenyl acetate - 8 E dodecenyl acetate - 8 Z Z,8 dodecenol tetradecanol	-	Oriental fruit moth Codling moth	Pheromone – no concerns
1-dodecanol (E,E) 8,10 dodecadien-1-ol dodecenol acetate - 8 Z dodecenyl acetate - 8 E dodecenyl acetate - 8 Z tetradecan-1-ol	-	Oriental fruit moth Codling moth	Pheromone – no concerns
3-methyl-1-butanol 2-methyl-1-butanol ethyl acetate acetaldehyde sec butanol ethanol Carpophilus aggregation pheromones	-	Carpophilus beetles	Pheromone – no concerns
4-(P-acetoxyphenyl)-2-butanone + fipronil	2B	Queensland fruit flies	Fipronil: Australia: APVMA: Currently under review. Proposed regulatory decision expected by April 2026. EU: Not approved. USA: Upcoming review.
4-(P-acetoxyphenyl)-2-butanone + malathion	1B	Queensland fruit flies	Malathion: Australia: The <u>final regulatory decision</u> 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

Cherry Agrichemical Regulatory Risk Assessment

			<p>must not be supplied after 1 May 2026.</p> <p>EU: Approved.</p> <p>UK: Withdrawn.</p> <p>Canada: In review.</p> <p>USA: Upcoming review.</p> <p>Codex: MRL set at 3 mg/kg (2014).</p>
Acetamiprid + novaluron	4A + 15	Black peach aphid	<p>Acetamiprid: Australia: APVMA: Currently under review. Proposed regulatory decisions expected between Dec. 2025 to Oct. 2026.</p> <p>EU: Approved.</p> <p>UK: Approved.</p> <p>Canada: In review.</p> <p>USA: Upcoming review</p> <p>Codex: MRL set at 1.5 mg/kg (2012).</p> <p>Novaluron: EU: Not approved.</p> <p>Canada: In review.</p>
		Fruit flies	
		Green peach aphid	
		Oriental fruit moth	
		San Jose scale	
		Light brown apple moth	
Bifenthrin	3A	Carpophilus beetle (PER82062)	<p>PER82062 expires 31/10/2028.</p> <p>PER82374 expires 30/04/2028.</p> <p>Australia: APVMA nominated for reconsideration.</p> <p>EU: Not approved.</p> <p>Canada: No current review.</p>
		Brown marmorated stink bug and yellow spotted stink bug (PER82374 biosecurity)	
Chlorantraniliprole	28	Light brown apple moth Oriental fruit moth	<p>Australia: No current concerns.</p> <p>EU: Approved.</p> <p>UK: Approved.</p> <p>Canada: In review.</p> <p>Codex: Berries and other small fruits MRL set at 1 mg/kg (2011).</p>
Chlorpyrifos	1B	European earwig, light brown apple moth, Queensland fruit fly, San Jose' scale (label) Locusts (PER11843 – EXPIRED)	<p>PER11843 expired 31/07/2024.</p> <p>Australia: The APVMA issued a final decision in September 2024. Uses in stone fruit were cancelled. Products with previously approved labels should not be possessed or used after September 30, 2025. The final decision was published in the APVMA Official Gazette on October 3, 2024.</p> <p>EU: Not approved.</p> <p>Canada: In review.</p> <p>USA: Upcoming review.</p> <p>Codex: MRLs revoked.</p>

Cherry Agrichemical Regulatory Risk Assessment

Clofentezine	10A	Bryobia mite European red mite Two-spotted (red spider) mite	Australia: No current concerns. EU: Not approved. UK: Approved. Canada: No current review.
Clothianidin	4A	Fruit flies	Australia: APVMA: Currently under review . Proposed regulatory decisions expected between Dec. 2025 to Oct. 2026. EU: Not approved. Canada: In review. USA: Upcoming review. Codex: Berries and other small fruits MRL set at 0.07 mg/kg (2011).
<i>Cydia pomonella</i> granulosus virus	31	Oriental fruit moth	
Diazinon	1B	San Jose scale, green peach aphid, black cherry aphid	Australia: Australia: APVMA made a Final Decision on 10 September 2024. Agricultural uses were not supported during the review. Approved use on all fruit ceases on 10 September 2025. Codex: All MRLs deleted. EU: Not approved. Canada: No current review. USA: Upcoming review.
Dimethoate	1B	Fruit flies (PER13859 – post-harvest orchard clean-up)	PER13859 expires 31/05/2030. Australia: APVMA reconsideration . Prioritised to be commenced by 2029. EU: Not approved. Canada: In review. USA: Upcoming review Codex: MRL deletion recommended.
Etoxazole	10B	Two-spotted (red spider) mite	Australia: No current concerns. EU: Approved, candidate for substitution. UK: Approved. Canada: No current review.
Fenitrothion	1B	Locusts Small plague grasshopper Wingless grasshopper	Australia: APVMA: Review – proposed decisions published 9 April 2024. All uses in fruit to be cancelled. Final review decision is expected in late 2025. EU: Not approved. Canada: No current review. Codex: MRL set at 0.5 mg/kg (2008).
Fipronil	2B	European earwig	Australia: APVMA: Currently under review . Proposed regulatory decision expected by April 2026. EU: Not approved.

Cherry Agrichemical Regulatory Risk Assessment

			USA: Upcoming review. Codex: Re-evaluation underway.
Hexythiazox	10A	European red mite	EU: Approved. UK: Approved. Canada: No current review.
		Two-spotted (red spider) mite	
Hexythiazox + Piperonyl butoxide	10A	Two-spotted mite	Piperonyl butoxide: UK: Approved. Canada: No current review. USA: Upcoming review. Hexythiazox: EU: Approved. UK: Approved. Canada: No current review.
Imidacloprid	4A	Black peach aphid	Australia: APVMA: Currently under review . Proposed regulatory decisions expected between Dec. 2025 to Oct. 2026. EU: Not approved. Canada: No current review. USA: Upcoming review. Codex: MRL set at 4 mg/kg (2016).
		Green peach aphid	
		Pear and cherry slug	
Indoxacarb	22A	Budworms	EU: Not approved. UK: Withdrawn.
		Oriental fruit moth	
		Inland katydid	
		Light brown apple moth	
		Pear and cherry slug	
		Weevils	
		Wingless grasshopper	
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: MRL set at 0.3 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.
		Black peach aphid	
		Cherry aphid	
		European red mite	
		Green peach aphid	
		Oriental fruit moth	

Cherry Agrichemical Regulatory Risk Assessment

		Rutherglen bug	Codex: MRL set at 3 mg/kg (2014).
		Wingless grasshopper	
Methomyl	1A	Green peach aphid	Australia: APVMA reconsideration . Prioritised to be commenced by 2026. EU: Not approved. Canada: In review. USA: Upcoming review.
		Helicoverpa	
		Red-shouldered leaf beetle	
		Thrips	
Milbemectin	6	Two-spotted (red spider) mite	EU: Approved. UK: Withdrawn.
Paraffinic / petroleum oil	-	Bryobia mite	
		European red mite	
		Mites	
		San Jose scale	
		Scale insects (frosted, oystershell and pear)	
		Spider mites	
		Two-spotted (red spider) mite	
		European red mite	
Pirimicarb	1A	Black peach aphid	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.
		Cherry aphid	
		Green peach aphid	
Propargite	12C	European red mite	Australia: APVMA reconsideration . Prioritised to be commenced by 2029. EU: Not approved. Canada: No current review. USA: Upcoming review.
		Mites	
		Two-spotted (red spider) mite	
Pymetrozine	9B	Black peach aphid	Australia: APVMA nominated for reconsideration and spray drift assessment. EU: Not approved. Canada: No current review. Codex: No registrant support.
		Green peach aphid	
Pyrethrins	3A	Insects including beneficial predators that may be present just prior to harvest such as: Fruit fly, Rutherglen bug and spiders	Australia: No current concerns. EU: Approved. UK: Approved. Canada: No current review.

Cherry Agrichemical Regulatory Risk Assessment

Pyrethrins + Piperonyl butoxide		Black citrus aphid Rose aphid Cabbage aphid Green peach aphid Cabbage white butterfly Pea and cherry slug Rutherglen bug Greenhouse white fly Light brown apple moth Plague thrips Large bodied caterpillars (grapevine moth) Native budworm	Piperonyl butoxide: UK: Approved. Canada: No current review. USA: Upcoming review. Pyrethrins: Australia: No current concerns. EU: Approved. UK: Approved. Canada: No current review.
Spinetoram	5	Caterpillars Light brown apple moth Oriental fruit moth Pear and cherry slug Western flower thrips Fruit flies (PER12590)	PER12590 expires 31/05/2029. Australia: No current concerns. EU: Not approved. UK: Withdrawn. Canada: In review. Codex: MRL set at 0.09 mg/kg (2018).
Spinosad	5	Light brown apple moth Oriental fruit moth Pear and cherry slug Western flower thrips	Australia: Reviewed in 2014. No current concerns. EU: Approved. UK: Approved. Canada: In review.
Spirotetramat	23	Black peach aphid Cherry aphid Long tailed mealybugs San Jose scale Tuber mealybug Western flower thrips (PER84804)	PER84804 expires 31/12/2028. Australia: No current concerns. EU: Not approved. UK: Approved. Canada: In review.
Sulfoxaflor	4C	Apple dimpling bug Black peach aphid Cherry aphid Green peach aphid	Australia: No current concerns. EU: Approved. UK: Approved. Canada: No current review. Codex: MRL set at 1.5 mg/kg (2015).
Sulfur	M2	San Jose scale (not in Tas.) Freckle	Australia: No current concerns.

Cherry Agrichemical Regulatory Risk Assessment

		Leaf curl Rust Brown rot (fruit)	
Tau-fluvalinate	3A	Plague thrips	EU: Approved. UK: Approved.
Tetraniliprole	28	Dried fruit beetles Oriental fruit moth Medfly Weevils	Australia: No current concerns. Canada: No current review. Codex: MRL set at 1.5 mg/kg (2023).
Thiacloprid	4A	Green peach aphid Oriental fruit moth Mediterranean fruit fly (PER14562)	PER14562 expires 31/07/2025. Australia: APVMA: Currently under review . Proposed regulatory decisions expected between Dec. 2025 to Oct. 2026. EU: Not approved. Canada: In review. Codex: Berries and other small fruits MRL set at 1 mg/kg (2007).
Trichlorfon	1B	Rutherglen bug Queensland fruit fly Queensland and mediterranean fruit flies (PER80542)	PER80542 expires 31/12/2029. Australia: APVMA nominated for reconsideration . EU: Not approved. Canada: No current review. USA: Upcoming review.

DISEASES

Active constituent	MoA Group	Disease	Risks & Comments
<i>Bacillus amyloquefaciens</i>	BM02	Bacterial canker / blast – suppression only (PER88559)	PER88559 expires 30/06/2029.
		Bacterial spot – suppression only (PER88559)	
		Blossom blight – suppression only (PER88559)	
		Brown spot (alternaria) – suppression only (PER88559)	
		Grey mould (botrytis) – suppression only (PER88559)	
BLAD	BM01	Blossom blight	
		Brown rot	

Cherry Agrichemical Regulatory Risk Assessment

Captan	M4	Blossom blight	EU: Approved. UK: Approved. Canada: No current review. Codex: MRL set at 25 mg/kg (2008). Review scheduled for 2025.
		Brown rot	
Chlorothalonil	M5	Blossom blight	Australia: APVMA reconsideration . Prioritised to be commenced by 2028. EU: Not approved. Canada: In review. USA: Upcoming review. Codex: MRL set at 3 mg/kg (2016).
		Brown rot	
		Freckle and scab	
		Rust	
		Shot hole	
		Transit rot	
Copper	M1	Bacterial canker / blast	
		Bacterial spot	
		Blossom blight	
		Brown rot	
		Freckle and scab	
		Leaf curl	
		Rust	
		Shot hole	
Dithianon	M9	Brown rot	EU: Approved. UK: Approved. Canada: No current review.
		Freckle and scab	
		Shot hole	
Fenhexamid	17	Grey mould (botrytis) (PER88787)	PER88787 expires 30/09/2026. EU: Approved. UK: Approved. Canada: No current review. Codex: MRL set at 7 mg/kg (2006).
Fludioxonil	12	Brown rot	Australia: No current concerns. EU: Approved, candidate for substitution. UK: Approved. Canada: No current review.
		Grey mould (botrytis)	
		Transit rot	
Fluopyram + trifloxystrobin	7 + 11	Blossom blight	Fluopyram: EU: Approved. UK: Approved. Canada: No current review. Codex: MRL set at 2 mg/kg (2018). Trifloxystrobin: Australia: No current concerns. EU: Approved.
		Brown rot	
		Shot hole	

Cherry Agrichemical Regulatory Risk Assessment

			UK: Approved. Canada: In review.
Fluxapyroxad + pyraclostrobin	7 + 11	Blossom blight	Fluxapyroxad: EU: Approved. UK: Approved. Canada: No current review. Codex: MRL set at 3 mg/kg (2016). Pyraclostrobin: EU Approved. UK: Approved. Canada: In review. Codex: MRL set at 3 mg/kg (2015).
Iodine	-	Post harvest sanitizer	Australia: No current concerns. Canada: No current review.
Iprodione	2	Blossom blight Brown rot Transit rot	Australia: No current concerns. EU: Not approved. Not renewed due to concerns over toxicity and potential endocrine-disrupting effects. MRLs are set at or near the limit of detection. Canada: Several food crop uses deleted. USA: Upcoming review. Codex: MRL set at 0.3 mg/kg (2024).
Mancozeb	M3	Blossom blight Brown rot Freckle and scab Rust Shot hole	Australia: APVMA reconsideration . Prioritised to be commenced by 2027. EU: Not approved. UK: Withdrawn. Canada: No current review. USA: Upcoming review. Codex: To be reviewed.
Mandestrobin	11	Blossom blight Brown rot	EU: Approved. UK: Approved. Canada: No current review.
Metiram	M3	Rust Shot hole	Australia: APVMA reconsideration . Prioritised to be commenced by 2027. EU: Not approved. UK: Approved. Canada: No current review. Codex: To be reviewed.
Penthiopyrad	7	Blossom blight Brown rot Freckle and scab	Australia: No current concerns. EU: Approved. UK: Approved. Canada: No current review.
Polyoxin D zinc salt	19	Grey mould – suppression only (TAS)	Canada: No current review.

Cherry Agrichemical Regulatory Risk Assessment

		and other cool climate regions only	
Procymidone	2	Blossom blight	Australia: Completed. EU: Not approved.
Propiconazole	3	Blossom blight Brown rot	Australia: APVMA nominated for reconsideration . EU: Not approved. Canada: In review. USA: Upcoming review. Codex: MRL set at 3 mg/kg (2019).
Rhizobium rhizogenes strain K1026	-	Crown gall	
Sulfur	M2	Freckle and scab Rust Blossom blight	Australia: No current concerns.
Tebuconazole	3	Silverleaf	Australia: APVMA: Removed from nomination list - maintain watching brief. EU: Approved, candidate for substitution. UK: Approved. Canada: In review. USA: Upcoming review. Codex: MRL set at 4 mg/kg (2012).
Thiram	M3	Brown rot Freckle and scab Shot hole	Australia: APVMA reconsideration . Prioritised to be commenced by 2027. EU: Not approved. Canada: No current review. Codex: To be reviewed.
Triforine	3	Brown rot	Australia: Completed. EU: Not approved. Canada: No current review.
Ziram	M3	Blossom blight Brown rot Freckle and scab Leaf curl Shot hole	Australia: APVMA reconsideration . Prioritised to be commenced by 2027. EU: Approved, candidate for substitution. UK: Withdrawn. Canada: No current review. Codex: To be reviewed.

Cherry Agrichemical Regulatory Risk Assessment

PLANT GROWTH REGULATORS

Active constituent	Claim	Risks & Comments
6-benzyladenine	Promotion of lateral growth.	EU: Approved. UK: Approved.
AVG (aminoethoxyvinylglycine) as HCl salt	Enhance flower life to improve fruit set.	
Cyanamide PER92998 (WA only Newton Orchards)	Break dormancy or advance bloom.	PER92998 expires 30/11/2025.
Ethephon	Promotes evenness of maturity; early colour development	EU: Approved. UK: Approved. Canada: No current review. Codex: MRL set at 5 mg/kg (2016).
Forchlorfenuron	Increase fruit size.	
Methyl esters of fatty acids	Initiation of dormancy break.	
Gibberellic acid	Promote desirable harvest effects.	EU: Approved. UK: Approved. Canada: In review.
Paclobutrazol	Reduce vegetative growth.	EU: Approved, candidate for substitution. UK: Approved. Canada: In review.
Prohexadione-calcium	Reduce shoot growth.	

WEEDS

Active constituent	MoA Group	Weed	Risks & Comments
2, 2-DPA	0	Annual and perennial grasses.	
2,4-D present as the dimethylamine and monomethylamine salts	4	Various broadleaf weeds.	EU: Approved. UK: Approved. USA: Upcoming review.
Carfentrazone-ethyl	14	Various broadleaf weeds.	EU: Approved. UK: Approved. Canada: In review.
Diquat	22	Various broadleaf weeds and grasses.	APVMA proposed decisions published July 2024. All uses in orchards proposed to be deleted. Publication of the final

Cherry Agrichemical Regulatory Risk Assessment

			regulatory decision is expected in <u>December 2025</u> . Codex: No MRLs. EU: Not approved (withdrawn in 2018). UK: Not approved. USA: Registered (under review).
Fluazifop-p	1	Various grasses.	Australia: APVMA nominated for reconsideration and for targeted spray drift reconsideration. Canada: No current review.
Flumioxazin	14	Various broadleaf weeds and grasses.	EU: Approved. Canada: In review.
Glufosinate-ammonium	9	Various broadleaf weeds and grasses.	Australia: APVMA: Nominated for targeted spray drift reconsideration (potential risk to vegetation, natural aquatic and bystander areas). Canada: In review.
Glyphosate	10	Various broadleaf weeds and grasses.	Australia: APVMA nominated for reconsideration and for targeted spray drift reconsideration. EU: Approved. UK: Approved. Canada: No current review. USA: Upcoming review.
Haloxypop-p	1	Various grasses.	
Napropamide	0	Various broadleaf weeds and grasses.	EU: Approved. UK: Approved. Canada: In review.
Nonanoic acid	-	Various broadleaf weeds and grasses.	
Norflurazon	12	Various broadleaf weeds and grasses.	EU: Not approved.
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. All uses in orchards proposed to be deleted. Publication of the final regulatory decision is expected in <u>December 2025</u> . Codex: Stone fruits MRL set at 0.01 mg/kg (2006).

Cherry Agrichemical Regulatory Risk Assessment

			Canada: Not approved. EU and UK: Not approved (2007). USA: Restricted use (under review).
--	--	--	---

Funding statement: MT24008 –Regulatory Support & Response Co-ordination. This *multi-industry* project has been funded by Hort Innovation, using *industry research and development levies* and contributions from the Australian Government. Hort Innovation is the grower-owned, not-for-profit research and development corporation for Australian horticulture.

Disclaimer

Horticulture Innovation Australia Limited (Hort Innovation) makes no representations and expressly disclaims all warranties (to the extent permitted by law) about the accuracy, completeness, or currency of information in MT24008 – Regulatory Support & Response Co-ordination. Reliance on any information provided by Hort Innovation is entirely at your own risk. Hort Innovation is not responsible for, and will not be liable for, any loss, damage, claim, expense, cost (including legal costs) or other liability arising in any way, including from any Hort Innovation or other person's negligence or otherwise from your use or non-use of MT24008 – Regulatory Support & Response Co-ordination, or from reliance on information contained in the material or that Hort Innovation provides to you by any other means.

Legal notice

Copyright © Horticulture Innovation Australia Limited 2025

Copyright subsists in Ag-Chemical Update. Horticulture Innovation Australia Limited (Hort Innovation) owns the copyright, other than as permitted under the Copyright ACT 1968 (Cth). The Ag-Chemical Update (in part or as a whole) cannot be reproduced, published, communicated or adapted without the prior written consent of Hort Innovation. Any request or enquiry to use the Ag-Chemical Update should be addressed to:

Communications Manager

Hort Innovation

Level 7, 141 Walker Street

North Sydney NSW 2060

Australia

Email: communications@horticulture.com.au

Phone: 02 8295 2300

Cherry Agrichemical Regulatory Risk Assessment