



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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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

Custard apple 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
Abamectin	6	Two-spotted spider mite and banana spotted mite	Australia: APVMA nominated for reconsideration and spray drift assessment. EU: Approved. Canada: In review.
Acetamiprid + pyriproxyfen	4A + 7C	Banana-spotting but (PER89943)	PER89943 expires 30/11/2025. 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. Pyriproxyfen: EU: Approved. UK: Approved. Canada: No current review.
		Fruit fly – suppression only (PER89943)	
		Fruit-spotting bug (PER89943)	
		Mealybugs (PER89943)	
		Scale insects (PER89943)	
Beta-cyfluthrin	3A	Banana-spotting bug (PER80374)	PER80374 expires 31/08/2025.
		Flatid planthoppers (PER80374)	
		Fruit-spotting bug (PER80374)	
		Green vegetable bug (PER80374)	
		Litchi stink bug (PER80374)	
		Mango tip borer (PER80374)	
		Elephant / rhinoceros beetle (PER80374)	
		Fig longicorn / trunk borer (PER80374)	
		Red shouldered leaf beetle (PER80374)	
		Swarming leaf beetles (PER80374)	
		Yellow peach moth (PER80374)	
Buprofezin	16	Mealy bugs	EU: Approved. UK: Approved. Canada: No current review.
		Scale insects	

Custard apple Agrichemical Regulatory Risk Assessment

Chlorpyrifos	1B	Ants	Australia: The APVMA issued a Final Decision on 30 September 2024. All uses on custard apple were 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
Clothianidin	4A	Citrus mealybug (PER84992)	PER84992 expires 31/12/2025. Australia: APVMA: Currently under review . Proposed regulatory decisions expected between Dec. 2025 to Oct. 2026. EU: Not approved. Canada: In review. USA: Upcoming review.
Dimethoate	1B	Fruit fly (PER13859 – 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.
Etoxazole	10B	Two-spotted spider mite and banana spider mite (PER14227)	PER14227 expires 30/04/2028. Australia: No current concerns. EU: Approved, candidate for substitution. UK: Approved. Canada: No current review.
Flupyradifurone	4D	Banana spotting bug / fruit spotting bugs	
		Green plant hopper	
		Mango plant hopper	
Fipronil	2B	Ants (PER87605)	PER87605 expires 30/06/2026. Australia: APVMA: Currently under review . Proposed regulatory decision expected by April 2026. EU: Not approved. USA: Upcoming review. Codex: Re-evaluation underway.
Malathion (lures)	1B	Fruit fly	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. Always check label instructions. EU: Approved. UK: Withdrawn.

Custard apple Agrichemical Regulatory Risk Assessment

			Canada: In review. USA: Upcoming review. Codex: Re-evaluation scheduled.
Methoxyfenozide	18	Yellow peach moth	EU: Approved, candidate for substitution. UK: Approved. Canada: In review.
Paraffinic oil / petroleum oil	UN	Scale insects	
Pyrethrins	3A	Fruit fly	Australia: No current concerns. EU: Approved. UK: Approved. Canada: No current review.
Pyriproxyfen	7C	Ants	EU: Approved. UK: Approved. Canada: No current review.
Spinetoram	5	Flower eating caterpillars	Australia: No current concerns. EU: Not approved. UK: Withdrawn. Canada: In review.
		Leafroller caterpillars	
		Loopers	
		Sorghum head caterpillar	
		Yellow peach moth	
Spinosad	5	Avocado leafroller	PER89870 expires 31/07/2025. Australia: Reviewed in 2014. No current concerns. EU: Approved. UK: Approved. Canada: In review.
		Flower eating caterpillars	
		Ivy leaf roller	
		Light brown apple moth	
		Loopers	
		Sorghum head caterpillar	
		Yellow peach moth	
Sulfoxaflor	4C	Banana-spotting bug	Australia: No current concerns. EU: Approved. UK: Approved. Canada: No current review.
		Fruit-spotting bug	
Tebufofenozide	18	Yellow peach moth	EU: Approved. UK: Approved. Canada: No current review.
Trichlorfon	1B	Fruit fly (PER12450)	PER12450 expires 30/11/2025.
		Banana-spotting bug (PER14743)	PER14743 expires 28/02/2030.

Custard apple Agrichemical Regulatory Risk Assessment

		Flatid planthoppers (PER14743)	Australia: APVMA nominated for reconsideration . EU: Not approved. Canada: No current review. USA: Upcoming review.
		Flower eating caterpillars (PER14743)	
		Fruit-spotting bug (PER14743)	
		Green vegetable bug (PER14743)	
		Litchi stink bug (PER14743)	
		Loopers (PER14743)	
		Yellow peach moth (PER14743)	

DISEASES

Active constituent	MoA Group	Disease	Risks & Comments
Copper	M1	Anthracnose	
		Purple blotch	
		Pseudocercospora	
DDAC (Didecyldimethylammonium chloride)	-	Sanitiser	
Fluopyram + tebuconazole	7 + 3	Anthracnose	Fluopyram: EU: Approved. UK: Approved. Canada: No current review. Tebuconazole: Australia: APVMA: Removed from nomination list - maintain watching brief. EU: Approved, candidate for substitution. UK: Approved. Canada: In review. USA: Upcoming review.
Mancozeb	M3	Anthracnose	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.
		Pseudocercospora	
Phosphorous acid	33	Phytophthora (PER13807)	PER13807 expires 31/07/2027.
Prochloraz	3	Anthracnose (PER83212)	PER83212 expires 31/01/2028. EU: Not approved.

Custard apple Agrichemical Regulatory Risk Assessment

			UK: Approved. Codex: Assorted tropical and sub-tropical fruits – inedible peel MRL set at 7 mg/kg (2005). Periodic re-evaluation scheduled.
Pyraclostrobin	11	Pseudocercospora leaf spot (PER13952)	PER13952 expires 31/08/2026. EU: Approved. UK: Approved. Canada: In review.

PLANT GROWTH REGULATORS

Active constituent	Claim	Risks & Comments
Uniconazole-p (PER13951)	Control of vegetative growth.	PER13951 expires 31/03/2028. Canada: In review.

WEEDS

Active constituent	MoA Group	Weed	Risks & Comments
Carfentrazone-ethyl	14	Various broadleaf weeds.	EU: Approved. UK: Approved. Canada: In review.
Clethodim (non-bearing trees)	1	Various grasses.	Australia: No current concerns. EU: Approved. UK: Approved. Canada: No current review. Codex: MRLs proposed for deletion.
Diquat	22	Various broadleaf weeds and grasses.	<u>APVMA proposed decisions July 2024</u> . All uses in orchards proposed to be deleted. Publication of the final 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 spray drift reconsideration.. Canada: No current review.
Glyphosate	9	Various broadleaf weeds and grasses.	Australia: APVMA nominated for spray drift reconsideration. EU: Approved. UK: Approved.

Custard apple Agrichemical Regulatory Risk Assessment

			Canada: No current review. USA: Upcoming review.
Haloxypop-p	1	Various annual and perennial weeds.	
Isoxaben	29	Various broadleaf weeds.	EU: Approved. UK: Approved. Canada: No current review.
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.	<u>APVMA proposed decisions</u> July 2024. All uses in orchards proposed to be deleted. Publication of the final regulatory decision is expected in <u>December 2025</u> . Codex: Assorted tropical and sub-tropical fruits – inedible peel MRL set at 0.01 mg/kg (2006). 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

Custard apple Agrichemical Regulatory Risk Assessment