

Custard apple

Agrichemical Regulatory Risk Assessment

May 2026

Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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. This report provides details of CODEX MRLs as a means of highlighting risks for countries that rely on CODEX, however does not include every instance of where an importing country specific MRL is less than the relevant Australian MRL. The Australian Department of Agriculture Fisheries and Forestry provides information directly to grower bodies when MRLs change in other countries.

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 Custardapple 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

INSECTICIDES/MITICIDES/NEMATICIDES - Insect and other pests

Blue text = new APVMA approved uses

Active Constituent	MoA Group	Pest	Risks and Comments
ABAMECTIN	6	Two-spotted spider mite and banana spotted mite	Australia: APVMA nominated for reconsideration and spray drift assessment . 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 Mealybugs Scale insects Fruit Spotting Bugs Suppression of Mediterranean Fruit Fly and Queensland Fruit Fly	ACETAMIPRID Australia: APVMA: Neonicotinoids chemical review has been delayed. The proposed regulatory decision unlikely before 2027. UK: Withdrawn (2033). Canada: In re-evaluation PYRIPROXYFEN Australia: No current concerns.
AMMONIUM ACETATE	--	Mediterranean Fruit Fly	Australia: No current concerns Permit PER96797 Expiry date: 30/04/2031 EU: Not approved
BETACYFLUTHRIN	3A	PER80374 for the control of Fruit-spotting bug Banana-spotting bug Elephant or Rhino beetle Red-shouldered leaf beetle Swarming leaf beetle Longicorn trunk borer Macadamia nut borer Mango tip borer Flatid planthopper Green vegetable bug Lychee stink bug Yellow peach moth	Australia: No current concerns. Permit PER80374 Expiry date: 30/06/2028 EU: Not approved
BUPROFEZIN	16	Mealy bugs Scale insects	Australia: No current concerns.
CHLORPYRIFOS	1B	--	Australia: The chemical review was completed in September 2024 . 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

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CLOTHIANIDIN	4A	PER84992 for the control of Citrus Mealy Bug	Australia: APVMA: Neonicotinoids chemical review has been delayed. The proposed regulatory decision unlikely before 2027. Permit PER84992 Expiry date: 31/12/2027 EU: Not approved Canada: In re-evaluation
DELTAMETHRIN	3A	Mediterranean Fruit Fly	Australia: No current concerns. Permit PER96797 Expiry date: 30/04/2031
DIMETHOATE	1B	PER13859 for the control of fruit fly	Australia: APVMA: Chemical Review prioritised to be commenced by 2029 . Permit PER13859 Expiry date: 31/05/2030 EU: Not approved Canada: In re-evaluation
ETOXAZOLE	10B	PER14227 for the control of Two spotted mite, Banana Spider mite	Australia: No current concerns. Permit PER14227 Expiry date: 30/04/2028 EU: Approved, candidate for substitution
FIPRONIL	2B	PER87605 for the control of Ants	Australia: APVMA: Proposed Regulatory decision was expected by April 2026. APVMA is now advising the by end of 2026 at the earliest. Permit PER87605 Expiry date: 30/06/2026 Permit PER89402 Expiry date: 30/04/2027 EU: Not approved
FLUPYRADIFURONE	4D	Banana spotting bug / fruit spotting bugs Green plant hopper Mango plant hopper	Australia: No current concerns.
METALDEHYDE	--	For the control of snails and slugs	Australia: No current concerns Canada: In re-evaluation
METHOXYFENOZIDE	18	Yellow peach moth	Australia: No current concerns. EU: Not approved Canada: In re-evaluation
PARAFFINIC OIL	UNM	Scale insects	Australia: No current concerns.
PUTRESCINE	--	Mediterranean Fruit Fly	Australia: No current concerns Permit PER96797 Expiry date: 30/04/2031
PYRETHRINS	3A	Fruitfly, Rutherglen bug, Spiders	Australia: No current concerns.
SPINETORAM	5	Flower eating caterpillars Leafroller caterpillars Loopers Sorghum head caterpillar Yellow peach moth	Australia: No current concerns. EU: Not approved Canada: In re-evaluation

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SPINOSAD	5	Flower eating caterpillars Ivy leaf roller Light brown apple moth Loopers Sorghum head caterpillar Yellow peach moth PER96806 for the control of Fall Armyworm	Australia: No current concerns. Permit PER96806 Expiry date: 30/05/2031 Canada: In re-evaluation
SULFOXAFLO	4C	Banana-spotting bug Fruit-spotting bug	Australia: No current concerns.
TEBUFENOZIDE	18	Yellow peach moth	Australia: No current concerns.
TRICHLORFON	1B	PER12450 for the control of Fruit fly PER14743 for the control of Flatid Planthopper Flower-eating Caterpillar Loopers Yellow Peach Moth Suppression only: Fruit-spotting Bug, Banana-spotting Bug and Green Vegetable Bug.	Australia: APVMA nominated for reconsideration after 2029. Permit PER14743 Expiry date: 28/02/2030 Permit PER12450 Expiry date: 31/08/2030 EU: Not approved Canada: Cancelled
TRIMETHYLAMINE HYDROCHLORIDE	--	Mediterranean Fruit Fly	Australia: No current concerns Permit PER96797 Expiry date: 30/04/2031 EU: Not approved

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FUNGICIDES – Disease Control

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Active Constituent	MoA Group	Pest	Risks and Comments
BACILLUS AMYLOLIQUEFACIENS STRAIN QST 713	BM02	Suppression only:	Australia: No current concerns.
COPPER	M1	Anthrachnose PER94006 for the control of Diplodia & pink disease	Australia: No current concerns. Permit PER94006 Expiry date: 31/08/2029
COPPER MANCOZEB	M1 + M3	Stem end rot PER11943 for the control of Anthracnose	COPPER Australia: No current concerns. MANCOZEB Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved USA: Under Registration Review (scheduled) Permit PER11943 Expiry date: 30/04/2027
FLUOPYRAM	7	Anthrachnose	Australia: No current concerns.
FLUOPYRAM TEBUCONAZOLE	3 + 7	Purple blotch	FLUOPYRAM Australia: No current concerns. TEBUCONAZOLE Australia: APVMA: Removed from nomination list - maintain watching brief EU: Approved, candidate for substitution Canada: In re-evaluation USA: Under Registration Review (scheduled)
PHOSPHOROUS (PHOSPHONIC) ACID	P07 (33)	PER13807 for the control of Phytophthora	Australia: No current concerns. Permit PER13807 Expiry date: 31/07/2027
MANCOZEB	M3	Pseudocercospora	Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved USA: Under Registration Review (scheduled)

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PROCHLORAZ MANCOZEB	3 + M3	PER83212 for the control of Anthracnose	<p>PROCHLORAZ Australia: No current concerns. EU: Not approved</p> <p>MANCOZEB Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved USA: Under Registration Review (scheduled)</p>
PYRACLOSTROBIN	11	PER13952 for the control of Pseudocercospora leaf spot	<p>Australia: No current concerns. Permit PER13952 Expiry date: 31/08/2026 Canada: In re-evaluation</p>
TEBUCONAZOLE	3	Anthracnose	<p>Australia: APVMA: Removed from nomination list - maintain watching brief EU: Approved, candidate for substitution Canada: In re-evaluation USA: Under Registration Review (scheduled)</p>

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HERBICIDES – Weed Control

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Active Constituent	MoA Group	Risks and Comments
CARFENTRAZONE-ETHYL	14	Australia: No current concerns. UK: Withdrawn (2033). Canada: In re-evaluation
CLETHODIM	1	Australia: No current concerns.
DIQUAT	22	Australia: APVMA: Currently under review . Publication of the final regulatory decision is expected in Mid 2026. EU: Not approved
FLUAZIFOP-P	1	Australia: No current concerns
GLYPHOSATE	9	Australia: Nominated for targeted spray drift reconsideration USA: Under Registration Review (scheduled)
HALOXYFOP	1	Australia: No current concerns. EU: Not approved
ISOXABEN	29	Australia: No current concerns.
ORYZALIN	3	Australia: No current concerns. EU: Not approved
OXYFLUORFEN	14	Australia: No current concerns. EU: Approved, candidate for substitution Canada: In re-evaluation USA: Under Registration Review (scheduled)
PARAQUAT	22	Australia: APVMA: Currently under review . Publication of the final regulatory decision is 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

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1,3-DICHLOROPROPENE	Control of soil borne diseases, plant parasitic Nematodes, Symphylans and Wireworms	Australia: No current concerns. EU: Pending Canada: Cancelled
CHLOROPICRIN	Control of soil borne diseases, plant parasitic Nematodes, Symphylans and Wireworms	Australia: No current concerns. EU: Not approved USA: Restricted use
CHLOROPICRIN + 1,3-DICHLOROPROPENE	Control of soil borne diseases, plant parasitic Nematodes, Symphylans and Wireworms	CHLOROPICRIN Australia: No current concerns. EU: Not approved USA: Restricted use 1,3-DICHLOROPROPENE Australia: No current concerns. EU: Pending Canada: Cancelled
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.
METHYL BROMIDE	Disinfestation treatment of commodities	Australia: APVMA nominated for reconsideration after 2029. Permit PER96144 Expiry date: 31/01/2031 EU: Not approved Canada: Remaining pre-plant soil fumigation uses were cancelled (June 2025) USA: Restricted use

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PLANT GROWTH REGULATORS AND OTHERS

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Active Constituent	Use	Risks and Comments
UNICONAZOLE-P	PER13951 for use as Plant Growth Regulatior	Australia: No current concerns Permit PER13951 Expiry date: 31/03/2028 Canada: In re-evaluation

R0	Use no longer approved
R1	Short-term: Critical concern over retaining access < 1 year
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