

Pineapple 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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 pineapples 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

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INSECTICIDES/MITICIDES/NEMATOCIDES - Insect and other pests

Blue text = new APVMA approved uses

Active Constituent	MoA Group	Pest	Risks and Comments
ABAMECTIN	6	PER81805 for the control of pineapple red mite or flat mite	Australia: APVMA nominated for reconsideration and spray drift assessment. Permit PER81805 Expiry date: 30/04/2030 Codex MRL: 0.002 mg/Kg Canada: Re-evaluation finalised. Label amendments to mitigate risks to human health and environment (July, 2025)
BIFENTHRIN	3A	Symphylids	Australia: APVMA nominated for reconsideration after 2029. EU: Not approved Canada: Cancelled
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 USA: Agricultural uses cancelled. Very few registrations as Restricted Use Pesticide.
DIAZINON	1B	--	Australia: APVMA made a Final Decision on 2024. After 10 September 2025, crop uses are no longer approved. Codex: All MRLs deleted EU: Not approved Canada: Cancelled USA: Under Registration Review (scheduled)
ETHYL FORMATE	8A	Pineapple flat mite Pineapple scale	Australia: No current concerns. EU: Not approved

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PYRETHRINS	3A	Fruitfly, Rutherglen bug, Spiders	Australia: No current concerns.
SPINETORAM	5	Leafroller Loopers	Australia: No current concerns. EU: Not approved UK: Withdrawn (2024). Canada: In re-evaluation
SPINOSAD	5	Flower-eating caterpillars, Leafrollers and loopers, Yellow peach moth PER89870 for the control of Fall Armyworm	Australia: No current concerns. Permit PER89870 Expiry date: 31/10/2030 Canada: In re-evaluation
SPIROTETRAMAT	23	Pineapple mealybug / mealybug	Australia: No current concerns. EU: Not approved Canada: In re-evaluation
SULFOXAFLOX	4C	Banana spotting bug Fruit spotting bug PER81901 for the control of Pineapple Mealybug	Australia: No current concerns. Permit PER81901 Expiry date: 31/12/2027
TETRALIPROLE	28	PER93041 for the control of White Grubs	Australia: No current concerns. Permit PER93041 Expiry date: 31/01/2028
TRICHLORFON	1B	PER12450 for the control of Fruit fly	Australia: APVMA nominated for reconsideration after 2029. 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
<i>Bacillus amyloliquefaciens</i> strain QST 713	BM02	Stem end rot – suppression	Australia: No current concerns.
COPPER	M1	PER94006 for the control of Diplodia & pink disease	Australia: No current concerns. Permit PER94006 Expiry date: 31/08/2029
FLUDIOXONIL	12	Blue and green moulds	Australia: No current concerns. Codex MRL: 5 mg/Kg EU: Approved, candidate for substitution.
FOSETYL-ALUMINIUM	P07 (33)	Phytophthora heart and root rot	Australia: APVMA nominated for reconsideration after 2029.
IODINE	M	Bactericide	Australia: No current concerns. Canada: Cancelled
METALAXYL	4	Phytophthora heart and root rot	Australia: No current concerns. Codex MRL: 0.1 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation
METALAXYL-M	4	Phytophthora heart and root rot	Australia: No current concerns.
PHOSPHOROUS (PHOSPHONIC) ACID	P07 (33)	Phytophthora Root Rot Heart Rot A current permit is also PER83873 for the control of Phytophthora root and heart allowing use in QLD, NSW, WA and NT.	Australia: No current concerns. Permit PER83873 Expiry date: 28/02/2026
PROCHLORAZ	3	Water blister	Australia: No current concerns. Codex MRL: 7 mg/Kg EU: Not approved

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PROPICONAZOLE	3	Base or butt rot	Australia: APVMA nominated for reconsideration and spray drift assessment . Codex MRL: 2 mg/Kg EU: Not approved, Canada: In re-evaluation, USA: Under Registration Review (scheduled)

HERBICIDES – Weed Control

Active Constituent	MoA Group	Risks and Comments
AMETRYN	5	Australia: No current concerns. EU: Not approved
BROMACIL	5	Australia: No current concerns. EU: Not approved
BROMACIL + DIURON	5 + 5	BROMACIL Australia: No current concerns. EU: Not approved DIURON Australia: APVMA Nominated for targeted spray drift reconsideration Permit PER81856 Expiry date: 31/07/2027 EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
CARFENTRAZONE-ETHYL	14	Australia: No current concerns. Canada: In re-evaluation
DIQUAT	22	Australia: APVMA: Currently under review . Publication of the final regulatory decision is now expected in Mid 2026. EU: Not approved USA: No agricultural uses allowed. Aquatic herbicide.

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DIURON	5	Australia: APVMA Nominated for targeted spray drift reconsideration Permit PER81856 Expiry date: 31/07/2027 EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
FLUAZIFOP-P	1	Australia: No current concerns
GLUFOSINATE-AMMONIUM	10	Australia: APVMA Nominated for targeted spray drift reconsideration Codex MRL: 0.1 mg/Kg EU: Not approved Canada: In re-evaluation
GLYPHOSATE	9	Australia: APVMA Nominated for targeted spray drift reconsideration USA: Under Registration Review (scheduled)
HALOXYFOP	1	Australia: No current concerns. EU: Not approved
HEXAZINONE	5	Australia: APVMA nominated for reconsideration and spray drift assessment. Permit PER94634 Expiry date: 30/04/2027 EU: Not approved Canada: In re-evaluation
ISOXAFLUTOLE	27	Australia: No current concerns.
METRIBUZIN	5	Australia: No current concerns. EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
OXYFLUORFEN	14	Australia: No current concerns. EU: Approved, candidate for substitution. UK: Withdrawn (2024). Canada: In re-evaluation USA: Under Registration Review (scheduled)

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PARAQUAT	22	Australia: APVMA: Currently under review . 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
QUIZALOFOP-P-ETHYL	1	Australia: No current concerns.

FUMIGANTS – Mixed Function

Active Constituent	Use	Risks and Comments
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
DAZOMET	Control of bacterial spot (Xanthomonas spp.) (suppression only). Soil insects and nematodes	Australia: No current concerns. USA: Under Registration Review (scheduled)
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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PLANT REGULATORS AND OTHERS – Plant regulators, post-harvest treatments, rodenticides and others.

Active Constituent	Use	Risks and Comments
CHLORFLURENOL-METHYL	Increase multiplication rate of pineapple planting material.	Australia: No current concerns
ETHEPHON	PER14953 for the management of flowering initiation and fruit ripening	Australia: No current concerns Permit PER14953 Expiry date: 31/03/2030
ZINC PHOSPHIDE	PER93053 for the control of Rats & mice	Australia: No current concerns. Permit PER93053 Expiry date: 30/11/2025 UK: Withdrawn (2024). Canada: In re-evaluation USA: Under Registration Review (scheduled)

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