

Artichoke

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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 Artichoke 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/NEMATICIDES - Insect and other pests

Blue text = new APVMA approved uses

Active Constituent	MoA Group	Pest	Risks and Comments
AFIDOPYROPEN	9D	Cabbage aphid; Cotton aphid; Currant lettuce aphid; Green peach aphid; Silverleaf white fly (suppression)	Australia: No current concerns. EU: Not approved
Bacillus thuringiensis	11A	Armyworm (Spodoptera spp.) Cotton bollworm (Helicoverpa armigera) Native budworm (Helicoverpa punctigera) Cabbage moth (Plutella xylostella) Cabbage white butterfly (Pieris rapae) Loopers (Chrysodeixis spp., Ectropis excursaria, Thysanoplusia orichalcea) Lightbrown apple moth (Epiphyas postvittana) Vine moth (Phalaenoides glycinae, Agarista agricola)	Australia: No current concerns.
CHLORPYRIFOS	1B	Cutworms; Field crickets; Mole crickets; Spotted vegetable weevil; Vegetable weevil; Wingless grasshopper	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
CYROMAZINE	17	PER81867 for the control of Leaf miner	Australia: No current concerns. Permit PER81867 Expiry date: 30/09/2026 Codex MRL: 3 mg/Kg EU: Not approved
DIAZINON	1B	Caterpillars; webworms	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
PIRIMICARB	1A	Aphids	Australia: No current concerns. Codex MRL: 5 mg/Kg EU: Approved, candidate for substitution Canada: Cancelled
POTASSIUM SALTS OF FATTY ACIDS	--	Aphids; Thrips; Mites; Whitefly	Australia: No current concerns. Canada: In re-evaluation

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PROPARGITE	12C	Spider mite, Two spotted mite	Australia: APVMA reconsideration. Prioritised to be commenced by 2029. EU: Not approved Canada: Cancelled
PYRETHRINS	3A	Ants, Aphids, Caterpillars, Leafhoppers, Whiteflies	Australia: No current concerns.
PYRIPROXYFEN	7C	fire ant	Australia: No current concerns.
SPINETORAM	5	Helicoverpa	Australia: No current concerns. EU: Not approved Canada: In re-evaluation
SULFUR	UN	Mites	Australia: No current concerns.
TRICHLORFON	1B	Cabbage White Butterfly; Cabbage Moth; Green Vegetable Bug	Australia: APVMA nominated for reconsideration after 2029. EU: Not approved Canada: Cancelled

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FUNGICIDES – Disease Control

Blue text = new APVMA approved uses

Active Constituent	MoA Group	Pest	Risks and Comments
CHLOROTHALONIL	M5	Grey mould	Australia: APVMA reconsideration. Prioritised to be commenced by 2028. EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
COPPER	M1	Leaf diseases	Australia: No current concerns.
HYDROGEN PEROXIDE + PEROXYACETIC ACID		Bactericide	HYDROGEN PEROXIDE Australia: No current concerns. PEROXYACETIC ACID Australia: No current concerns.
SULPHUR	M2	Rust	Australia: No current concerns. Canada: In re-evaluation

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HERBICIDES - Weed Control

Blue text = new APVMA approved uses

Active Constituent	MoA Group	Risks and Comments
DIQUAT	22	Australia: APVMA: <u>Currently under review</u> , Publication of the final regulatory decision is expected in Mid 2026. EU: Not approved
PARAQUAT	22	Australia: APVMA: <u>Currently under review</u> , Publication of the final regulatory decision is expected in Mid 2026. Candidate chemical recommended to be listed to Rotterdam Convention. EU: Not approved Canada: Cancelled USA: Restricted use

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FUMIGANTS

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Active Constituent	Use	Risks and Comments
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
CHLOROPICRIN + 1,3-DICHLOROPROPENE	Control of soil borne diseases, plant parasitic Nematodes, Symphylans and Wireworms	CHLOROPICRIN Australia: No current concerns. EU: Not approved 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.

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