

Okra

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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 Okra 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	Potato moth Tomato Red spider mite Tomato russet mite Tomato/ potato psyllid Two-spotted (Red spider) mite PER96481 for the control of leaf miner	Australia: APVMA nominated for reconsideration and spray drift assessment. Permit PER96481 Expiry date: 31/07/2028 Canada: Re-evaluation finalised. Label amendments to mitigate risks to human health and environment (July, 2025)
AFIDOPYROPEN	9D	Cabbage aphid Cotton aphid Currant and lettuce aphid Green peach aphid Silverleaf (Poinsettia) whitefly	Australia: No current concerns. EU: Not approved
ALPHA-CYPERMETHRIN	3A	PER80099 for the control of Mediterranean fruit fly and Queensland fruit fly	Australia: APVMA nominated for reconsideration after 2029. Permit PER80099 Expiry date: 30/11/2029 EU: Not approved
BIFENAZATE	20D	Bryobia mite Two-spotted (Red spider) mite	Australia: No current concerns. UK: Withdrawn (2029). Canada: In re-evaluation
BROFLANILIDE	30	PER95794 for the control of Cluster caterpillar	Australia: No current concerns. Permit PER95794 Expiry date: 31/07/2028
CHLORANTRANILIPROLE	28	Eggfruit caterpillar Helicoverpa Potato moth PER84805 for the control of Tomato Potato Psyllid	Australia: No current concerns. Permit PER84805 Expiry date: 31/12/2027 Codex MRL: 0.6 mg/Kg Canada: In re-evaluation

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CHLORANTRANILIPROLE THIAMETHOXAM	28 + 4A	Cluster caterpillar Green peach aphid Helicoverpa Potato moth Silverleaf (Poinsettia) whitefly Tomato thrips Two-spotted (Red spider) mite Western flower thrips	<p>CHLORANTRANILIPROLE Australia: No current concerns. Permit PER84805 Expiry date: 31/12/2027 Codex MRL: 0.6 mg/Kg Canada: In re-evaluation</p> <p>THIAMETHOXAM Australia: APVMA: Neonicotinoids chemical review has been delayed. The proposed regulatory decision unlikely before 2027. Codex MRL: 0.7 mg/Kg EU: Not approved Canada: In re-evaluation</p>
CHLORPYRIFOS	1B	--	<p>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</p>
CLOTHIANIDIN	4A	PER95268 for the control of Mediterranean fruit fly & Queensland fruit fly	<p>Australia: APVMA: Neonicotinoids chemical review has been delayed. The proposed regulatory decision unlikely before 2027. Permit PER95268 Expiry date: 31/01/2028 Codex MRL: 0.05 mg/Kg EU: Not approved Canada: In re-evaluation</p>
CYANTRANILIPROLE	28	Green peach aphid Helicoverpa Potato moth Silverleaf (Poinsettia) whitefly Tomato thrips Western flower thrips Permit PER84805 for the control of Tomato Psyllid	<p>Australia: No current concerns. Permit PER93849 Expiry date: 31/12/2026 Permit PER84805 Expiry date: 31/12/2027 Codex MRL: 0.5 mg/Kg</p>
CYANTRANILIPROLE DIAFENTHIURON	28 + 12A	Cluster caterpillar Green peach aphid Helicoverpa Potato moth Silverleaf (Poinsettia) whitefly Tomato thrips Two-spotted (Red spider) mite Western flower thrips	<p>CYANTRANILIPROLE Australia: No current concerns. Permit PER93849 Expiry date: 31/12/2026 Permit PER84805 Expiry date: 31/12/2027 Codex MRL: 0.5 mg/Kg</p> <p>DIAFENTHIURON Australia: No current concerns. EU: Not approved</p>

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CYROMAZINE	17	PER81867 for the control of Liriomyza leafminers	Australia: No current concerns. Permit PER81867 Expiry date: 30/09/2026 Codex MRL: 1 mg/Kg EU: Not approved
EMAMECTIN	6	Cluster caterpillar Helicoverpa	Australia: Nominated for targeted spray drift reconsideration EU: Approved, candidate for substitution
FIPRONIL	2B	European Wasp	Australia: APVMA: Proposed Regulatory decision was expected by April 2026. APVMA is now advising the by end of 2026 at the earliest. Permit PER89402 Expiry date: 30/04/2027 EU: Not approved
FLUAZAINDOLIZINE	N-UN	Root Knot Nematode (Meloidogyne spp.)	Australia: No current concerns. EU: Pending
FLUBENDIAMIDE	28	Heliothis (Helicoverpa spp.), Tomato leafminer (Phthorimaea operculella)	Australia: No current concerns. EU: Not approved
FLUENSULFONE	5	Root-knot nematode (Meloidogyne spp.)	Australia: No current concerns. Codex MRL: 0.7 mg/Kg
HEXYTHIAZOX	10A	PER95394 for the control of Tomato russet mite, Broad mite and Two-spotted mite	Australia: No current concerns. Permit PER95394 Expiry date: 30/09/2029
IMIDACLOPRID	4A	PER12351 for the control of Silverleaf Whitefly	Australia: APVMA: Neonicotinoids chemical review has been delayed. The proposed regulatory decision unlikely before 2027. Permit PER12351 Expiry date: 29/02/28 EU: Not approved Canada: Very few uses allowed in greenhouses and seed treatment.
IRON EDTA COMPLEX	--	Common brown(brown) snail White snail Vine snail	Australia: No current concerns
METALDEHYDE	--	For the control of snails and slugs	Australia: No current concerns Canada: In re-evaluation
METHOMYL	1A	Helicoverpa spp. Cucumber moth Cluster caterpillar Loopers Webworm Rutherglen bug Thrips including Western Flower Thrip	Australia: APVMA reconsideration. Was to start 2026. APVMA to publish a new Chemical Review priority list by mid 2026 Permit PER82428 Expiry date: 31/01/2029
METHOXYFENOZIDE	18	Cluster caterpillar Helicoverpa Tomato grub	Australia: No current concerns. EU: Not approved Canada: In re-evaluation
PARAFFIN OIL	--	Silverleaf Whitefly (Bemisia tabaci)	Australia: No current concerns.
PETROLEUM OIL	UN	PER12221 for the control of: Greenhouse whitefly Sweet potato whitefly Silverleaf whitefly	Australia: No current concerns. Permit PER12221 Expiry date: 30/09/2027 EU: Not approved

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PIRIMICARB	1A	Aphids	Australia: No current concerns. Codex MRL: 0.5 mg/Kg EU: Approved, candidate for substitution Canada: Cancelled
SPINETORAM	5	Helicoverpa Potato moth Tomato grub Western flower thrips	Australia: No current concerns. Permit PER94451 Expiry date: 31/07/2027 EU: Not approved Canada: In re-evaluation
SPINOSAD	5	Helicoverpa Potato moth Western flower thrips	Australia: No current concerns. Permit PER96806 Expiry date: 30/05/2031 Canada: In re-evaluation
SPODOPTERA FRUGIPERDA NPV	--	PER90820 for the control of Fall Armyworm (Spodoptera frugiperda)	Australia: No current concerns Permit PER90820 Expiry date: 31/03/2027
SULFOXAFLOX	4C	Green peach aphid Greenhouse whitefly Tomato/ potato psyllid	Australia: No current concerns. Codex MRL: 1.5 mg/Kg

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FUNGICIDES – Disease Control

Blue text = new APVMA approved uses

Active Constituent	MoA Group	Pest	Risks and Comments
CHLOROTHALONIL	M5	Leaf diseases/spots	Australia: APVMA reconsideration. Prioritised to be commenced by 2028. EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
HYDROGEN PEROXIDE PEROXYACETIC ACID	M	Bactericide (Post-harvest)	HYDROGEN PEROXIDE Australia: No current concerns. PEROXYACETIC ACID Australia: No current concerns.
MANCOZEB	M3	PER14593 for the control of Downy Mildew Anthracnose (Colletrichum spp.) and Alternaria	Australia: APVMA reconsideration. Prioritised to be commenced by 2027. Permit PER14593 Expiry date: 31/05/2030 EU: Not approved USA: Under Registration Review (scheduled)
PENTHIOPYRAD	7	Grey mould Powdery mildew Target leafspot	Australia: No current concerns. Codex MRL: 2 mg/Kg EU: Not approved
STREPTOMYCES LYDICUS	--	Powdery mildew	Australia: No current concerns
SULPHUR	M2	Powdery mildew	Australia: No current concerns. Canada: In re-evaluation

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HERBICIDES – Weed Control

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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. Codex MRL: 0.01 mg/Kg 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. Codex MRL: 0.05 mg/Kg EU: Not approved Canada: Cancelled USA: Restricted use

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R4	No current risk/concerns

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 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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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.*

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