

Okra

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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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

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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

INSECTICIDES/MITICIDES/NEMATOCIDES - Insect and other Pests Control

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	Australia: APVMA nominated for reconsideration and spray drift assessment EU: Approved Canada: In review
AFIDOPYROPEN	9D	Cabbage aphid Cotton aphid Currant and lettuce aphid Green peach aphid Silverleaf (Poinsettia) whitefly	Australia: No current concerns. EU: Not approved UK: No registrations Canada: No current review USA: Approved
ALPHA-CYPERMETHRIN	3A	Mediterranean fruit fly and Queensland fruit fly	Australia: APVMA nominated for reconsideration after 2029 Permit PER80099 Expiry date: 30/11/2029 Codex MRL: 0.5 mg/Kg EU: Not approved Canada: No current review
BIFENAZATE	20D	Bryobia mite Two-spotted (Red spider) mite	Australia: No current concerns. EU: Approved UK: Approved Canada: In review

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Active Constituent	MoA Group	Pest	Risks and Comments
CHLORANTRANILIPROLE	28	Eggfruit caterpillar Helicoverpa Potato moth	Australia: No current concerns. Codex MRL: 0.6 mg/Kg EU: Approved UK: Approved Canada: In review
CHLORANTRANILIPROLE THIAMETHOXAM	28 + 12 A	Cluster caterpillar Green peach aphid Helicoverpa Potato moth Silverleaf (Poinsettia) whitefly Tomato thrips Two-spotted (Red spider) mite Western flower thrips	<p>CHLORANTRANILIPROLE</p> <p>Australia: No current concerns. Codex MRL: 0.6 mg/Kg EU: Approved UK: Approved Canada: In review</p> <p>THIAMETHOXAM</p> <p>Australia: APVMA: Currently under review. Proposed regulatory decisions expected between Dec. 2025 to Oct. 2026. Codex MRL: 0.7 mg/Kg EU: Not approved Canada: In review USA: Review upcoming</p>
CHLORPYRIFOS	1B	Cutworm, Crickets (field and mole) Vegetable weevil, Wingless grasshopper	Australia: The APVMA issued a final decision on 30 September 2024. All cucurbit vegetable uses were cancelled. Products with previously approved labels must not be possessed or used after September 30, 2025. The final decision was published in the APVMA Official Gazette on October 3, 2024 . Codex: All Codex MRLs deleted EU: Not approved Canada: All uses cancelled 2023 USA: Upcoming review

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CLOTHIANIDIN	4A	Permit PER 95268 for the control of Mediterranean fruit fly & Queensland fruit fly	Australia: APVMA: Currently under review. Proposed regulatory decisions expected between Dec. 2025 to Oct. 2026. Permit PER95268 Expiry date: 31/01/2026 Codex MRL: 0.05 mg/Kg EU: Not approved Canada: In review USA: Review upcoming
CYANTRANILIPROLE	28	Green peach aphid Helicoverpa Potato moth Silverleaf (Poinsettia) whitefly Tomato thrips Western flower thrips Permit PER84805 for the control of Tomato Psyllid	Australia: No current concerns. Permit PER84805 Expiry date: 31/12/2027 Codex MRL: 0.5 mg/Kg EU: Approved UK: Approved Canada: No current review
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	CYANTRANILIPROLE Australia: No current concerns. Codex MRL: 0.5 mg/Kg EU: Approved UK: Approved Canada: No current review DIAFENTHIURON Australia: No current concerns. EU: Not approved
CYROMAZINE	17	Permit PER81867 for the control of Liriomyza leafminers	Australia: Reviewed in 2014. No current concerns. Permit PER81867 Expiry date: 30/09/2026 Codex MRL: 1 mg/Kg EU: Not approved Canada: No current review

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Active Constituent	MoA Group	Pest	Risks and Comments
EMAMECTIN	6	Cluster caterpillar Helicoverpa	Australia: APVMA nominated for reconsideration and for targeted spray drift reconsideration. Codex MRL: 0.02 mg/Kg EU: Approved, candidate for substitution. UK: Withdrawn. Expiry date: 30/11/2024 Canada: No current review
FLUAZAINDOLIZINE	N-UN	Root Knot Nematode	Australia: No current concerns. EU: Pending Canada: No current review
FLUBENDIAMIDE	28	Heliothis Tomato leafminer	Australia: No current concerns. EU: Not approved UK: Withdrawn. Expiry date: 30/11/2024 Canada: No current review USA: No registrations
FLUENSULFONE	5	Root-knot nematode	Australia: No current concerns. Codex MRL: 0.7 mg/Kg Canada: No current review
IMIDACLOPRID	4A	Permit PER12351 for the control of Silverleaf Whitefly	Australia: APVMA: Currently under review. Proposed regulatory decisions expected between Dec. 2025 to Oct. 2026. Permit PER12351 Expiry date: 30/04/2026 EU: Not approved Canada: Field uses cancelled or amended USA: Re-registration with risk mitigation measures. Review upcoming
MALATHION	1B	Aphids, loopers	Australia: The final regulatory decision was published in an APVMA Special Gazette on 2 May 2024 . New commercial product labels do not have use in Okra. Labels containing malathion as an active constituent have been varied. Products bearing previously approved labels must not be supplied or used after 1 May 2026. EU: Approved UK: Withdrawn. Expiry date: 30/04/2025 Canada: In review USA: Review upcoming Codex MRL: 0.2 mg/kg (2004) Australia = 3 mg/kg

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METHOMYL	1A	Permit PER82428 for the control of: Helicoverpa spp. Cucumber moth Cluster caterpillar Loopers Webworm Rutherglen bug Thrips including WFT	Australia: APVMA reconsideration. Prioritised to be commenced by 2026. Permit PER82428 Expiry date: 31/01/2029 EU: Not approved Canada: In review USA: Review upcoming
METHOXYFENOZIDE	18	Cluster caterpillar Helicoverpa Tomato grub	Australia: No current concerns. EU: Approved, candidate for substitution. UK: Approved Canada: In review
PARAFFIN OIL	--	Silverleaf Whitefly	Australia: No current concerns.
PETROLEUM OIL	UN	Permit PER12221 for the control of: Greenhouse whitefly Sweet potato whitefly Silverleaf whitefly B biotype Whitefly Q biotype	Australia: No current concerns. Permit PER12221 Expiry date: 30/09/2027 EU: Not approved
PIRIMICARB	1A	Aphids	Australia: No current concerns. Codex MRL: 0.5 mg/Kg EU: Approved, candidate for substitution. UK: Approved Canada: No current review USA: No registrations
SPINETORAM	5	Helicoverpa Potato moth Tomato grub Western flower thrips Permit PER84757 for the control of Tomato/Potato Psyllid	Australia: No current concerns. Permit PER84757 Expiry date: 31/08/2025 EU: Not approved UK: Withdrawn. Expiry date: 30/09/2024 Canada: In review

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SPINOSAD	5	Helicoverpa Potato moth Western flower thrips	Australia: Reviewed in 2014. No current concerns. EU: Approved UK: Approved Canada: In review
SPODOPTERA FRUGIPERDA NPV	--	Permit PER90820 for the control of Fall Armyworm	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 EU: Approved UK: Approved Canada: No current review

FUNGICIDES – Disease Control

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 review USA: Review upcoming
HYDROGEN PEROXIDE PEROXYACETIC ACID	M	Bactericide (Post-harvest)	Australia: No current concerns. EU: Approved
IODINE	M	Bactericide (Post-harvest)	
MANCOZEB	M3	Permit PER14593 for the control of: Downy Mildew	Australia: APVMA reconsideration. Prioritised to be commenced by 2027. Permit PER14593 Expiry date: 31/05/2030

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Active constituent	MoA Group	Pest	Risks and Comments
		Anthracnose Alternaria	EU: Not approved UK: Withdrawn. Expiry date: 31/05/2024 Canada: Most of uses cancelled USA: Review upcoming
PENTHIOPYRAD	7	Grey mould Powdery mildew Target leafspot	Australia: No current concerns. Codex MRL: 2 mg/Kg EU: Approved UK: Approved Canada: No current review
<i>Streptomyces lydicus</i>	BM02	Powdery mildew	Australia: No current concerns.
SULPHUR	M2	Powdery mildew	Australia: No current concerns. UK: Approved Canada: In review

HERBICIDES – Weed Control

Active Constituent	MoA Group	Risks and Comments
DIQUAT	22	<u>APVMA proposed decisions</u> published July 2024. Only uses up to 283gai/ha to be kept. Publication of the final regulatory decision is expected in <u>December 2025</u> . Codex: *0.01 mg/kg (2014) EU: Not approved (withdrawn in 2018). UK: Not approved. USA: Registered (under review).
PARAQUAT	22	<u>APVMA proposed decisions</u> July 2024. Only uses up to 231gai/ha to be kept. Publication of the final regulatory decision is expected in <u>December 2025</u> . Codex: 0.05 mg/Kg (2006) Canada: Not approved. EU and UK: Not approved (2007). USA: Restricted use (under review).

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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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