

## **Okra**

# **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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 okra crops 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	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: <a href="#">APVMA nominated for reconsideration and spray drift assessment.</a> 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: <a href="#">APVMA nominated for reconsideration after 2029.</a> Permit PER80099 Expiry date: 30/11/2029 EU: Not approved
<i>Bacillus thuringiensis</i>	11A	Armyworm Cotton bollworm Native budworm Cabbage moth Cabbage white butterfly Loopers Lightbrown apple moth Vine moth	Australia: No current concerns. USA: Under Registration Review (scheduled)
BIFENAZATE	20D	Bryobia mite Two-spotted (Red spider) mite	Australia: No current concerns. Canada: In re-evaluation

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Active Constituent	MoA Group	Pest	Risks and Comments
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
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	CHLORANTRANILIPROLE Australia: No current concerns. Permit PER84805 Expiry date: 31/12/2027 Codex MRL: 0.6 mg/Kg Canada: In re-evaluation  THIAMETHOXAM Australia: APVMA: <a href="#">Currently under review</a> . Proposed regulatory decisions expected between December 2025 to October 2026. Codex MRL: 0.7 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
CHLORPYRIFOS	1B	--	Australia: <a href="#">The chemical review was completed in September 2024</a> . 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.

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CLOTHIANIDIN	4A	PER95268 for the control of Mediterranean fruit fly & Queensland fruit fly	Australia: APVMA: <a href="#">Currently under review</a> . Proposed regulatory decisions expected between December2025 to October2026. Permit PER95268 Expiry date: 31/01/2026 Codex MRL: 0.05 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
CYCLOBUTRIFLURAM	n-3	Root Knot Nematode	Australia: No current concerns.
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. Codex MRL: 0.5 mg/Kg
CYANTRANILIPROLE   DIAFENTHIURON	28 + 12A	Cluster caterpillar Green peach aphid <i>Helicoverpa</i> 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  DIAFENTHIURON Australia: No current concerns. EU: Not approved
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

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EMAMECTIN	6	Cluster caterpillar Helicoverpa	Australia: <a href="#">APVMA Nominated for targeted spray drift reconsideration</a> EU: Approved, candidate for substitution. UK: Withdrawn (2024).
FLUAZAINDOLIZINE	N-UN	Root Knot Nematode ( <i>Meloidogyne</i> spp.)	Australia: No current concerns. EU: Pending
FLUBENDIAMIDE	28	Heliothis Tomato leafminer	Australia: No current concerns. EU: Not approved UK: Withdrawn (2024).
FLUENSULFONE	5	Root-knot nematode ( <i>Meloidogyne</i> spp.)	Australia: No current concerns. Codex MRL: 0.7 mg/Kg
IMIDACLOPRID	4A	PER12351 for the control of Silverleaf Whitefly	Australia: APVMA: <a href="#">Currently under review</a> . Proposed regulatory decisions expected between December2025 to October2026. Permit PER12351 Expiry date: 30/04/2026 EU: Not approved Canada: Very few uses allowed in greenhouses and seed treatment. USA: Under Registration Review (scheduled)
METHOMYL	1A	Helicoverpa Cucumber moth Cluster caterpillar Loopers Webworm Rutherglen bug Thrips including WFT	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2026</a> . Permit PER82428 Expiry date: 31/01/2029 EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
METHOXYFENOZIDE	18	Cluster caterpillar Helicoverpa Tomato grub	Australia: No current concerns. EU: Approved, candidate for substitution. Canada: In re-evaluation

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ORANGE OIL	--	Whitefly ( <i>Bemisia tabaci</i> ) Two spotted mite ( <i>Tetranychus urticae</i> ) Suppression: Onion thrips ( <i>Thrips tabaci</i> ) & Western flower thrips ( <i>Frankliniella occidentalis</i> ) Tomato thrips ( <i>Frankliniella schultzei</i> ) Green peach aphid ( <i>Myzus persicae</i> ) & Melon aphid ( <i>Aphis gossypii</i> ) Serpentine leafminer ( <i>Liriomyza huidobrensis</i> ),	Australia: No current concerns.
PARAFFIN OIL	--	Silverleaf Whitefly	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
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. EU: Not approved UK: Withdrawn (2024). Canada: In re-evaluation
SPINOSAD	5	Helicoverpa Potato moth Western flower thrips	Australia: No current concerns. Canada: In re-evaluation
SPODOPTERA FRUGIPERDA NPV	--	PER90820 for the control of Fall Armyworm ( <i>Spodoptera frugiperda</i> )	Australia: No current concerns. Permit PER90820 Expiry date: 31/03/2027

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SULFOXAFLO	4C	Green peach aphid Greenhouse whitefly Tomato/ potato psyllid	Australia: No current concerns. Codex MRL: 1.5 mg/Kg

### FUNGICIDES – Disease Control

Active Constituent	MoA Group	Pest	Risks and Comments
CHLOROTHALONIL	M5	Leaf diseases/spots	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2028.</a> EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
HYDROGEN PEROXIDE   PEROXYACETIC ACID	M	Bactericide (Post-harvest)	Australia: No current concerns.
MANCOZEB	M3	PER14593 for the control of Downy Mildew Anthracnose ( <i>Colletrichum</i> spp.) and Alternaria	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> Permit PER14593 Expiry date: 31/05/2030 EU: Not approved UK: Withdrawn (2024). USA: Under Registration Review (scheduled)
ORANGE OIL	--	Powdery mildew ( <i>Oidium neolyopersici</i> , <i>Leveillula Taurica</i> ), Grey mould ( <i>Botrytis</i> <i>cinerea</i> ) Suppression only	Australia: No current concerns.
PENTHIOPYRAD	7	Grey mould Powdery mildew Target leafspot	Australia: No current concerns. Codex MRL: 2 mg/Kg
<i>Streptomyces lydicus</i>	--	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

Active Constituent	MoA Group	Risks and Comments
DIQUAT	22	Australia: APVMA: <a href="#">Currently under review</a> . Publication of the final regulatory decision <b>is now expected in Mid 2026</b> . Codex MRL: 0.01 mg/Kg EU: Not approved USA: No agricultural uses allowed. Aquatic herbicide.
PARAQUAT	22	Australia: APVMA: <a href="#">Currently under review</a> . Publication of the final regulatory decision <b>is now expected in Mid 2026</b> . Candidate chemical recommended to be listed to Rotterdam Convention. Codex MRL: 0.05 mg/Kg EU: Not approved, Canada: Cancelled USA: Restricted use

### 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)



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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.

**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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