

## **Eggplant**

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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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

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
R0	Use no longer approved

## Eggplant - Agrichemical Regulatory Risk Assessment

### INSECTICIDES/MITICIDES/NEMATOCIDES - Insect and other pests

Blue text = new APVMA approved uses

Active Constituent	MoA Group	Pest	Risks and Comments
ABAMECTIN	6	Root-knot nematodes Two-spotted (Red spider) mite Western flower thrips  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 Codex MRL: 0.05 mg/Kg Canada: Re-evaluation finalised. Label amendments to mitigate risks to human health and environment (July, 2025)
AFIDOPYROPEN	9D	Cabbage aphid Cotton aphid Currant lettuce aphid Green peach aphid Silver leaf whitefly	Australia: No current concerns. 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)
<i>Bacillus thuringiensis</i> SUBSP. ISRAELENIS STRAIN AM65-52	BM02	PER14694 for the control of Fungus Gnats ( <i>Sciaridae</i> spp.)	Australia: No current concerns. Permit PER14694 Expiry date: 31/03/2029
BIFENAZATE	20D	PER82341 for the control of Mites	Australia: No current concerns. Permit PER82341 Expiry date: 31/01/2030 Canada: In re-evaluation

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Active Constituent	MoA Group	Pest	Risks and Comments
BIFENTHRIN	3A	Silverleaf whitefly Two spotted mite Greenhouse whitefly	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> EU: Not approved Canada: Cancelled
BIFENTHRIN AND METHOMYL	3A + 1A	Permit PER84229 for the control of Tomato potato psyllid	Bifenthrin Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> EU: Not approved Canada: Cancelled  Methomyl Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2026.</a> EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
BROFLANILIDE	30	PER95794 for the control of Cluster caterpillar	Australia: No current concerns. Permit PER95794 Expiry date: 31/07/2028
BUPROFEZIN	16	PER82467 for the control of greenhouse whitefly	Australia: No current concerns. Permit PER82467 Expiry date: 31/03/2030
CHLORANTRANILIPROLE	28	Eggfruit caterpillar Helicoverpa Potato moth (Leafminer)  Permit PER84805 for the control of Tomato Potato Psyllid	Australia: No current concerns. Permit PER84805 Expiry date: 31/12/2027 Canada: In re-evaluation

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Active Constituent	MoA Group	Pest	Risks and Comments
CYANTRANILIPROLE + DIAFENTHIURON	28 + 12A	Silverleaf whitefly Cotton bollworm Native budworm Potato Moth Cluster caterpillar Green peach aphid Two-spotted mite	CYANTRANILIPROLE Australia: No current concerns. Permit PER84805 Expiry date: 31/12/2027 Canada: In re-evaluation  DIAFENTHIURON Australia: No current concerns. EU: Not approved
CYCLOBUTRIFLURAM	N-3	Root Knot Nematode	Australia: No current concerns.
DIMETHOATE	1B	Permit PER12506 for the control of Queensland fruit fly & Mediterranean fruit fly	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2029.</a> Permit PER12506 Expiry date: 30/06/2028 EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
DIMPROPYRIDAZ	36	Greenhouse whitefly Silverleaf whitefly	Australia: No current concerns. EU: Pending
FLONICAMID	29	PER90346 for the control of Green Peach Aphid	Australia: No current concerns. Permit PER90346 Expiry date: 30/06/2026
FLUBENDIAMIDE	28	<i>Helicoverpa</i> Potato moth (Leafminer)	Australia: No current concerns. EU: Not approved UK: Withdrawn (2024).
FLUENSULFONE	5	Root-knot nematodes	Australia: No current concerns.
FLUPYRADIFURONE	4D	Cabbage aphid Green peach aphid Greenhouse whitefly Silver leaf whitefly	Australia: No current concerns.
HELCOVERPA ARMIGERA NPV	31	Helicoverpa, Potato moth (Leafminer)	Australia: No current concerns.

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HEXYTHIAZOX	10A	Permit PER95394 for the control of Tomato spider mite, Twospotted mite, Broad mite, Tomato russet mite	Australia: No current concerns. Permit PER95394 Expiry date: 30/09/2029 Codex MRL: 0.1 mg/Kg
IMIDACLOPRID	4A	Green peach aphid Melon thrips Silver leaf whitefly	Australia: APVMA: <a href="#">Currently under review</a> . Proposed regulatory decisions expected between December2025 to October2026. Codex MRL: 0.2 mg/Kg EU: Not approved Canada: Very few uses allowed in greenhouses and seed treatment. USA: Under Registration Review (scheduled)
INDOXACARB	22A	Helicoverpa, Potato moth (Leafminer)	Australia: No current concerns. Codex MRL: 0.5 mg/Kg EU: Not approved UK: Withdrawn (2024).
METHOXYFENOZIDE	18	Cluster caterpillar Helicoverpa Tomato grub	Australia: No current concerns. EU: Approved, candidate for substitution. Canada: In re-evaluation
MILBEMECTIN	6	Two-spotted (Red spider) mite	Australia: No current concerns. UK: Withdrawn (2024).
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.

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PETROLEUM OIL	UN	Silverleaf Whitefly  Permit PER12221 for the control of Aphids, Green mirid, green vegetable bug, Grey cluster bug, Leafhoppers, Mites, Rutherglen bug and Thrips	Australia: No current concerns. Permit PER12221 Expiry date: 30/09/2027 EU: Not approved
PHORATE	1B	Permit PER8930 for the control of Aphids, jassids, mites, thrips and onion maggot	Australia:APVMA reconsideration. <a href="#">Prioritised to be commenced by 2026.</a> Permit PER8930 Expiry date: 31/08/2029 EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
PIRIMICARB	1A	Aphids	Australia: No current concerns. EU: Approved, candidate for substitution. Canada: Cancelled
PYMETROZINE	9B	Green peach aphid Greenhouse whitefly Potato aphid Silver leaf whitefly	Australia: <a href="#">APVMA nominated for reconsideration and spray drift assessment.</a> EU: Not approved Canada: Cancelled
PYRIPROXYFEN	7C	Greenhouse whitefly Silver leaf whitefly	Australia: No current concerns. Codex MRL: 0.6 mg/Kg
SPINETORAM	5	<i>Helicoverpa</i> Potato moth (Leafminer) Tomato grub Western flower thrips  Permit PER14186 for the control of Melon thrips.  Permit PERT94451 for the control of Leaf miners	Australia: No current concerns. Permit PER94451 Expiry date: 31/07/2027 Permit PER14186 Expiry date: 31/05/2029 EU: Not approved UK: Withdrawn (2024). Canada: In re-evaluation

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SPINOSAD	5	Helicoverpa Potato moth (Leafminer) Western flower thrips  Permit PER94331 for the control of Dipteran leaf miners	Australia: No current concerns. Permit PER94331 Expiry date: 30/04/2026 Canada: In re-evaluation
SPIROTETRAMAT	23	Green peach aphid Silverleaf whitefly Western flower thrips  Permit PER84245 for the control of Tomato potato psyllid.  Permit PER88640 for the control of Liriomyza leafminers	Australia: No current concerns. Permit PER84245 Expiry date: 31/12/2029 Permit PER88640 Expiry date: 28/02/2026 EU: Not approved Canada: In re-evaluation
SPODOPTERA FRUGIPERDA NPV	--	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, Rutherglen bug, Tomato potato Psyllid	Australia: No current concerns.
TRICHLORFON	1B	Permit PER80717 for the control of Fruit fly	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Permit PER80717 Expiry date: 30/06/2030 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>Aureobasidium pullulans</i>	--	Grey mould	Australia: No current concerns.
<i>Bacillus amyloliquefaciens</i> STRAIN QST 713	BM02	PER88032 for the control of Early blight, Botrytis grey mould, Powdery mildew, Bacterial spot	Australia: No current concerns. Permit PER88032 Expiry date: 31/08/2027
BOSCALID	7	Target spot (Early blight)	Australia: No current concerns. Canada: In re-evaluation
BUPIRIMATE	8	Powdery mildew	Australia: No current concerns.
CHLOROTHALONIL	M5	PER82895 for the control of downy mildew, botrytis and alternaria	Australia:APVMA reconsideration. <a href="#">Prioritised to be commenced by 2028.</a> Permit PER82895 Expiry date: 31/05/2030 EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
COPPER	M1	Bacterial canker Bacterial speck Bacterial spot	Australia: No current concerns.
FLORYLPICOXAMID	21	Powdery mildew of capsicum Powdery mildew of tomato Target Spot Anthracnose Grey mould	Australia: No current concerns. EU: Pending
HYDROGEN PEROXIDE   PEROXYACETIC ACID	M	Powdery mildew	Australia: No current concerns.



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IPIRODIONE	2	PER80910 for the control of Grey Mould	Australia: No current concerns. Permit PER80910 Expiry date: 31/05/2030 EU: Not approved USA: Under Registration Review (scheduled)
MANCOZEB	M3	PER14593 for the control of Downy Mildew, Anthracnose 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)
METIRAM	M3	Alternaria leaf spot Cercospora leaf spot	Australia:APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved Canada: Only approved for foliar applications in potato crops.
METIRAM   PYRACLOSTROBIN	M3 + 11	Target spot (Early blight)	METIRAM Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved Canada: Only approved for foliar applications in potato crops.  PYRACLOSTROBIN Australia: No current concerns. Codex MRL: 0.3 mg/Kg EU: Approved UK: Approved Canada: In review USA:
ORANGE OIL	--	Powdery mildew ( <i>Oidium neolycopersici</i> , <i>Leveillula Taurica</i> ) Grey mould ( <i>Botrytis cinerea</i> ) Suppression only	Australia: No current concerns.

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PENTHIOPYRAD	7	Grey mould Powdery mildew Target spot (Early blight)	Australia: No current concerns.
PHOSPHOROUS ACID	P07	PER81408 for the control of Phytophthora soil fungus	Australia: No current concerns. Permit PER81408 Expiry date: 31/05/2030
PYDIFLUMETOFEN   DIFENOCONAZOLE	7 + 3	Cercospora leaf spot Early blight Powdery mildew	DIFENOCONAZOLE Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Codex MRL: 0.2 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation  PYDIFLUMETOFEN Australia: No current concerns. EU: Pending Canada: In re-evaluation
TRIADIMENOL	3	Powdery mildew	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> EU: Not approved Canada: Cancelled
ZINEB	M3	Target spot (Early blight) Late (Irish) blight  Permit PER14839 for the control of Anthracnose.	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> Permit PER14839 Expiry date: 31/07/2029 EU: Not approved Canada: Cancelled

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### HERBICIDES – Weed Control

Active Constituent	MoA Group	Risks and Comments
CLETHODIM	1	Australia: No current concerns. Permit PER82459 Expiry date: 30/09/2026
DIQUAT	22	Australia: APVMA: <a href="#">Currently under review</a> . Publication of the final regulatory decision is now expected in Mid 2026. EU: Not approved USA: No agricultural uses allowed. Aquatic herbicide.
FLUAZIFOP-P PRESENT AS THE BUTYL ESTER	1	Australia: <a href="#">APVMA Nominated for targeted spray drift reconsideration</a> Permit PER82556 Expiry date: 30/11/2027 Canada: Cancelled
GLYPHOSATE	9	Australia: <a href="#">APVMA Nominated for targeted spray drift reconsideration</a> USA: Under Registration Review (scheduled)
PARAQUAT	22	Australia: APVMA: <a href="#">Currently under review</a> . Publication of the final regulatory decision is now expected in Mid 2026. Candidate chemical recommended to be listed to Rotterdam Convention. EU: Not approved Canada: Cancelled USA: Restricted use
TRIFLURALIN	3	Australia: No current concerns. EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)

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### 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 ( <i>Xanthomonas</i> 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.

### PLANT REGULATORS AND OTHERS – Plant regulators, post-harvest treatments, rodenticides and others.

Active Constituent	Use	Risks and Comments
1-METHYLCYCLOPROPENE	Postharvest treatment	Australia: No current concerns

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