

## **EGGPLANT**

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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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

## Eggplant Agrichemical Regulatory Risk Assessment

<b>R1</b>	<b>Short-term risk: Critical concern over retaining access &lt; 1 year</b>
<b>R2</b>	<b>Medium-term risk: Maintaining access of significant concern &lt;2-5 years</b>
<b>R3</b>	<b>Long-term risk: Potential issues associated with use – Monitoring required &lt; 5 years</b>
<b>R4</b>	<b>No current risk / concerns</b>

Blue text = new APVMA approved uses

### INSECTICIDES/MITICIDES - Insect and other Pests Control

Active Constituent	MoA Group	Pest	Risks and Comments
ABAMECTIN	6	Two-spotted (Red spider) mite, Tomato Spotted Mite, Tomato Russet mite, Tomato Potato Psyllid, Tobacco leafminer.	Australia: <a href="#">APVMA nominated for reconsideration</a> and spray drift assessment. Codex MRL: 0.05 mg/Kg   EU: Approved   Canada: In review
AFIDOPYROPEN	9D	Cabbage aphid, Cotton aphid, Currant lettuce aphid, Green peach aphid, Silver leaf whitefly	Australia: No current concerns. EU: Not approved   UK: No registrations   Canada: No current review   USA: Approved
ALPHA-CYPERMETHRIN	3A	Permit PER80099 for the control Queensland Fruit Fly ( <i>Bactrocera tryoni</i> ) Mediterranean Fruit Fly ( <i>Ceratitis capitata</i> )	Australia: <a href="#">APVMA nominated for reconsideration</a> Permit PER80138 Expiry date: 30/11/2029 Canada: No current review   EU: No authorisation UK: No authorisation
BACILLUS THURINGIENSIS SUBSP. ISRAELENIS	11	Permit for the control of Fungus Gnats ( <i>Sciaridae</i> spp.)	Australia: No current concerns. Permit PER14694 Expiry date: 31/03/2029 EU: No authorisation UK: No authorisation
BIFENAZATE	20D	Bryobia mite, Two-spotted (Red spider) mite.  Permit PER82341 for the control of Red tomato spider mite	Australia: No current concerns. Permit PER82341 Expiry date: 31/01/2030 EU: Approved   UK: Approved   Canada: In review
BIFENTHRIN	3A	Silverleaf whitefly, Two spotted mite, Greenhouse whitefly	Australia: : <a href="#">APVMA nominated for reconsideration</a>   EU: Not approved   Canada: No current review
BIFENTHRIN AND METHOMYL	3A + 1A	Permit PER84229 for the control of Tomato potato psyllid	Australia: Permit PER84229 Expiry date: 31/12/2029  BIFENTHRIN Australia: <a href="#">APVMA nominated for reconsideration after 2029</a>   EU: Not approved   Canada: No current review

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Active Constituent	MoA Group	Pest	Risks and Comments
			METHOMYL Australia: <a href="#">APVMA reconsideration. Prioritised to be commenced by 2026.</a> EU: Not approved   Canada: In review   USA: Review upcoming
BUPROFEZIN	16	GREENHOUSE WHITEFLY	Australia: No current concerns. Permit PER82467 Expiry date: 31/03/2030 EU: Approved   UK: Approved   Canada: No current review
CHLORANTRANILIPROLE	28	Eggfruit caterpillar, Helicoverpa, Potato moth (Leafminer)	Australia: No current concerns. Codex MRL: 0.6 mg/Kg   EU: Approved   UK: Approved   Canada: In review
CHLORANTRANILIPROLE + THIAMETHOXAM	28 + 4A	Corn Earworm, Native Budworm, Potato Moth, Cluster caterpillar, Green peach aphid, Silverleaf Whitefly, Greenhouse whitefly, Western Flower Thrips, Tomato Thrips	CHLORANTRANILIPROLE Australia: No current concerns. Codex MRL: 20 mg/Kg   EU: Approved   UK: Approved   Canada: In review  THIAMETHOXAM Australia: <a href="#">APVMA: Currently under review. Proposed regulatory decisions expected between Dec. 2025 to Oct. 2026.</a> Codex MRL: 3 mg/Kg   EU: Not approved   Canada: In review   USA: Upcoming review
CHLORPYRIFOS	1B	Permit PER14583 for the control of African black beetle, False wireworms and Wireworms	Australia: The APVMA issued a final decision on 30 September 2024. All eggplant 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 <a href="#">APVMA Official Gazette on October 3, 2024</a> . Codex: All Codex MRLs deleted   EU: Not approved   Canada: All uses cancelled 2023   USA: Upcoming review
CYANTRANILIPROLE	28	Permit PER84805 for the control of Tomato Potato 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	12A + 28	Silverleaf whitefly, Cotton bollworm, Native budworm, Potato Moth, Cluster caterpillar, Green peach aphid, Two-spotted mite	CYANTRANILIPROLE Australia: No current concerns. Codex MRL: 0.5 mg/Kg   EU: Approved   UK: Approved   Canada: No current review

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			DIAFENTHIURON Australia: No current concerns. EU: Not approved
CYROMAZINE	17	Liriomyza species, including Vegetable Leafminer; Serpentine Leafminer (PER81867)	Australia: Reviewed in 2014. No current concerns. PER81867 expires 30 September 2026   EU: Not approved   Canada: No current review
DIAZINON	1B	No uses approved in Australia	Australia: APVMA made a final decision on September 2024. Agricultural uses were not supported during the review. NO use of cancelled labels after 10 September 2025. Publication of <a href="#">Final Decision</a> . Codex: All MRLs deleted   EU: Not approved   Canada: No current review   USA: Upcoming
DIMETHOATE	1B	Permit PER12506 for the control of Queensland fruit fly & Mediterranean fruit fly	Australia: <a href="#">APVMA reconsideration. Prioritised to be commenced by 2029</a> . Permit PER12506 Expiry date: 30/06/2028 EU: Not approved   Canada: In review   USA: Review upcoming
DIMPROPYRIDAZ	36	Greenhouse whitefly, Silverleaf whitefly	Australia: No current concerns.   EU: Pending
EMAMECTIN	6	Heliothis ( <i>Helicoverpa</i> spp), Cluster caterpillar ( <i>Spodoptera litura</i> )	Australia: <a href="#">APVMA nominated for reconsideration and for targeted spray drift reconsideration</a> EU: Approved, candidate for substitution   UK: Withdrawn. Expiry date: 30/11/2024   Canada: No current review
FLONICAMID	29	Green peach aphid ( <i>Myzus persicae</i> )	Australia: No current concerns. Codex MRL: 0.4 mg/Kg   EU: Approved   Canada: No current review
FLUAZAINDOLIZINE	N-UN	Root-knot nematodes	Australia: No current concerns. EU: Pending   Canada: No current review
FLUBENDIAMIDE	28	Helicoverpa, Potato moth (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 nematodes	Australia: No current concerns. Codex MRL: 0.7 mg/Kg   Canada: No current review
FLUPYRADIFURONE	4D	Cabbage aphid, Green peach aphid, Greenhouse whitefly, Silver leaf whitefly	Australia: No current concerns. EU: Approved   UK: Approved   Canada: No current review
HELCOVERPA ARMIGERA NPV	31	Helicoverpa, Potato moth (Leafminer)	Australia: No current concerns. EU: Approved

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HEXYTHIAZOX	10A	Permit PER95394 for the control of Tomato spider mite, Two spotted mite, Broad mite, Tomato russet mite	Australia: No current concerns. Permit PER95394 Expiry date: 30/09/2029 Codex MRL: 0.1 mg/Kg   EU: Approved   UK: Approved   Canada: No current review
IMIDACLOPRID	4A	Green peach aphid, Melon thrips, Silver leaf whitefly	Australia: <a href="#">APVMA: Currently under review. Proposed regulatory decisions expected between Dec. 2025 to Oct. 2026.</a>   EU: Not approved   Canada: Field uses cancelled or amended   USA: Re-registration with risk mitigation measures. Review upcoming
INDOXACARB	22A	Cotton Bollworm, Native Budworm, Potato moth (Tomato leaf miner)	Australia: No current concerns. Codex MRL: 0.5 mg/Kg   EU: Not approved   UK: Withdrawn. Expiry date: 31/08/2024
ISOCYCLOSERAM	30	Two-spotted mites; Broad mite; Tomato Russet Mite ( <i>Aculops lycopersici</i> ), Western Flower Thrips ( <i>Frankliniella occidentalis</i> ), Tomato Thrips ( <i>Frankliniella schultzei</i> ). Melon Thrips ( <i>Thrips palmi</i> ), Plague Thrips ( <i>Thrips imaginis</i> ), Heliothis ( <i>Helicoverpa</i> spp.)	Australia: No current concerns.   Canada: No current review
METHOXYFENOZIDE	18	Cluster caterpillar, Helicoverpa, Tomato grub	Australia: No current concerns. EU: Approved, candidate for substitution.   UK: Approved   Canada: In review
MILBEMECTIN	6	Two-spotted (Red spider) mite	Australia: No current concerns. EU: Approved   UK: Withdrawn. Expiry date: 31/07/2024
PETROLEUM OIL	UN	Silverleaf Whitefly.  Permit PER12221 for the control of Aphids, Green mirid, green vegetable bug, Grey cluster bug, Leafhoppers, Mites, Rutherglen bug, Thrips.	Australia: No current concerns. Permit PER12221 Expiry date: 30/09/2027
PHORATE	1B	Permit PER8930 for the control of Aphids, jassids, mites, thrips and onion maggot	Australia: <a href="#">APVMA reconsideration. Prioritised to be commenced by 2026.</a> Permit PER8930 Expiry date: 31/08/2029 EU: Not approved   Canada: In review   USA: Review upcoming
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
PYMETROZINE	9B	Green peach aphid, Greenhouse whitefly, Potato aphid, Silver leaf whitefly	Australia: <a href="#">APVMA nominated for reconsideration</a> and spray drift assessment.   EU: Not approved   Canada: No current review

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Active Constituent	MoA Group	Pest	Risks and Comments
PYRIPROXYFEN	7C	Greenhouse whitefly, Silver leaf whitefly	Australia: No current concerns. Codex MRL: 0.6 mg/Kg   EU: Approved   UK: Approved   Canada: No current review
SPINETORAM	5	Helicoverpa, Potato moth (Leafminer), Tomato grub, Western flower thrips.  Permit PER14186 for the control of Melon thrips. Permit PER94451 for the control of Leaf miners	Australia: No current concerns. Permit PER14186 Expiry date: 31/05/2029 and Permit PER94451 Expiry date: 31/07/2027. EU: Not approved   UK: Withdrawn. Expiry date: 30/09/2024   Canada: In review
SPINOSAD	5	Helicoverpa, Potato moth (Leafminer), Western flower thrips.  Permit PER94331 for the control of Dipteran leaf miners	Australia: Reviewed in 2014. No current concerns. Permit PER94331 Expiry date: 30/04/2026 EU: Approved   UK: Approved   Canada: In review
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 and Permit PER88640 Expiry date: 28/02/2026 Codex MRL: 1 mg/Kg   EU: Not approved   UK: Approved   Canada: In review
SULFOXAFLOX	4C	Green peach aphid, Greenhouse whitefly, Rutherglen bug, Tomato potato Psyllid	Australia: No current concerns. Codex MRL: 1.5 mg/Kg   EU: Approved   UK: Approved   Canada: No current review
TRICHLORFON	1B	Permit PER80717 for the control of Fruit fly.	Australia: <a href="#">APVMA nominated for reconsideration after 2029</a> . Permit PER80717 Expiry date: 31/08/2025 EU: Not approved   Canada: No current review   USA: Review upcoming

## Eggplant Agrichemical Regulatory Risk Assessment

### FUNGICIDES – Disease Control

Active Constituent	MoA Group	Pest	Risks and Comments
<i>Aureobasidium pullulans</i>	NC	Grey mould	Australia: No current concerns.
<i>Bacillus amyloliquefaciens</i> STRAIN QST 713	NC	Permit PER14694 for the control of Early blight, Botrytis grey mould, Powdery mildew, Bacterial spot	Australia: No current concerns. Permit PER88032 Expiry date: 31/08/2027 EU: Approved
BOSCALID	7	Target spot (Early blight)	Australia: No current concerns. Codex MRL: 3 mg/Kg   EU: Approved   UK: Approved   Canada: In review
BUPIRIMATE	8	Powdery mildew	Australia: No current concerns. EU: Approved   UK: Approved
CHLOROTHALONIL	M5	Permit PER82895 for the control of Alternaria, Downy mildew, Grey leaf spot and Grey mould.	Australia: <a href="#">APVMA reconsideration. Prioritised to be commenced by 2028.</a> Permit PER82895 Expiry date: 31/05/2030 EU: Not approved   Canada: In review   USA: Review upcoming
COPPER	M1	Bacterial canker, Bacterial speck, Bacterial spot	Australia: No current concerns. EU: Approved, candidate for substitution.   Canada: No current review
FLORYLPICOXAMID	21	Powdery mildew of capsicum, Powdery mildew of tomato, Target Spot (Early Blight), Anthracnose, Grey mould	Australia: No current concerns. EU: Pending   Canada: No current review
HYDROGEN PEROXIDE   PEROXYACETIC ACID	M	Powdery mildew	Australia: No current concerns.
IPRODIONE	2	Grey Mould	Australia: No current concerns. Permit PER80910 Expiry date: 31/05/2030 EU: Not approved   Canada: Most of the food crop uses deleted   USA: Review upcoming

## Eggplant Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
MANCOZEB	M3	Downy Mildew, Anthracnose (Colletotrichum spp) & Alternaria.	Australia: <a href="#">APVMA reconsideration.. Prioritised to be commenced by 2027</a> . Permit PER14593 Expiry date: 31/05/2030 EU: Not approved   UK: Withdrawn. Expiry date: 31/05/2024   Canada: Most of uses cancelled   USA: Review upcoming
METIRAM	M3	Alternaria leaf spot Cercospora leaf spot	Australia: <a href="#">APVMA reconsideration. Prioritised to be commenced by 2027</a> . Codex MRL: To be reviewed   EU: Not approved   UK: Approved   Canada: Foliar uses other than potato were cancelled
PENTHIOPYRAD	7	Grey mould, Powdery mildew, Target spot (Early blight)	Australia: No current concerns. Codex MRL: 2 mg/Kg   EU: Approved   UK: Approved   Canada: No current review
PHOSPHOROUS ACID		Phytophthora soil fungus	Australia: Permit PER81408 Expiry date: 31/05/2030
PYDIFLUMETOFEN   DIFENOCONAZOLE	7 + 3	Cercospora leaf spot, Early blight, Powdery mildew	<p>PYDIFLUMETOFEN Australia: No current concerns. Codex MRL: 0.5 mg/Kg   EU: Pending   UK: Approved   Canada: In review  </p> <p>DIFENOCONAZOLE Australia: <a href="#">APVMA nominated for reconsideration after 2029</a> Codex MRL: 0.6 mg/Kg   EU: Approved, candidate for substitution.   UK: Approved   Canada: In review  </p>
TRIADIMENOL	3	Powdery mildew	Australia: <a href="#">APVMA nominated for reconsideration after 2029</a> Codex MRL: 1 mg/Kg   EU: Not approved   Canada: No current review
ZINEB	M3	Target spot (Early blight), Late (Irish) blight. Permit PER14839 for the control of Anthracnose.	Australia: <a href="#">APVMA reconsideration. Prioritised to be commenced by 2027</a> . Permit PER14839 Expiry date: 31/07/2029 Codex MRL: To be reviewed   EU: Not approved   Canada: No current review



## Eggplant Agrichemical Regulatory Risk Assessment

### HERBICIDES – Weed Control

Active Constituent	MoA Group	Risks and Comments
CLETHODIM	1	Australia: No current concerns. Permit PER82459 Expiry date: 30/09/2026 Codex MRL: Proposed for deletion   EU: Approved   UK: Approved   Canada: No current review
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).
FLUAZIFOP-P PRESENT AS THE BUTYL ESTER	1	Australia: <u>APVMA nominated for reconsideration</u> and for targeted spray drift reconsideration. Permit PER82556 Expiry date: 30/11/2027
GLYPHOSATE	9	Australia: <u>APVMA nominated for reconsideration</u> and for targeted spray drift reconsideration.   EU: Approved   UK: Approved   Canada: No current review   USA: Review upcoming
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).
TRIFLURALIN	3	Australia: No current concerns. EU: Not approved   Canada: No current review   USA: Review upcoming

### PLANT GROWTH REGULATORS – and others

Active Constituent	Use	Risks and Comments
1-METHYLCYCLOPROPENE	Postharvest treatment	Australia: No current concerns. EU: Approved   UK: Approved   Canada: No current review

## Eggplant Agrichemical Regulatory Risk Assessment

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