

# Persimmon

## 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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 Persimmon 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
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### INSECTICIDES/MITICIDES/NEMATICIDES - Insect and other pests

Blue text = new APVMA approved uses

Active Constituent	MoA Group	Pest	Risks and Comments
13-OCTADECADIEN-1-YL ACETATE	--	PER88722 for the control of Clearwing Borer (unregistered product)	Australia: No current concerns Permit PER88722 Expiry date: 31/05/2028
ACETAMIPRID + PYRIPROXYFEN	4A + 7C	PER89943 for the control of Fruit Spotting Bugs Mealybugs Scale Insects Light Brown Apple Moth Suppression only: Mediterranean Fruit Fly Queensland Fruit Fly	<b>ACETAMIPRID</b> Australia: APVMA: Neonicotinoids chemical review has been delayed. The proposed regulatory decision unlikely before 2027. Codex MRL: 0.8 mg/Kg UK: Withdrawn (2033). Canada: In re-evaluation <b>PYRIPROXYFEN</b> Australia: No current concerns.
ALPHA-CYPERMETHRIN	3A	PER96678 for the control of Fruit Fly	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Permit PER96678 Expiry date: 30/09/2030 EU: Not approved
AMMONIUM ACETATE	--	Mediterranean Fruit Fly	Australia: No current concerns EU: Not approved
Bacillus thuringiensis	11A	Armyworm Cotton bollworm Native budworm Cabbage moth Cabbage white butterfly Loopers Lightbrown apple moth Vine moth	Australia: No current concerns.

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BETACYFLUTHRIN	3A	PER80374 for the control of Fruit-spotting bug Banana-spotting bug Elephant or Rhino beetle Red-shouldered leaf beetle Swarming leaf beetle Longicorn trunk borer Macadamia nut borer Flatid planthopper Green vegetable bug Yellow peach moth	Australia: No current concerns. EU: Not approved
BUPROFEZIN	16	Mealybug Scale insects	Australia: No current concerns.
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
CLOTHIANIDIN	4A	PER14779 for the control of Mealybug in Japanese persimmon	Australia: APVMA: Neonicotinoids chemical review has been delayed. The proposed regulatory decision unlikely before 2027. Codex MRL: 0.4 mg/Kg EU: Not approved Canada: In re-evaluation
COPPER	--	Snails	Australia: No current concerns.
DELTA METHRIN	3A	Mediterranean Fruit Fly	Australia: No current concerns.
DIMETHOATE	1B	PER13859 for the control of fruit fly	Australia: APVMA: Chemical Review <a href="#">prioritised to be commenced by 2029</a> . Permit PER13859 Expiry date: 31/05/2030 EU: Not approved Canada: In re-evaluation
ETHYL FORMATE	8A	Light brown apple moth Longtailed mealybug Plague thrips Red back spider Western flower thrips Two-spotted mites	Australia: No current concerns. EU: Not approved

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ETOXAZOLE	10B	Two-spotted Mite European Red Mite	Australia: No current concerns. Codex MRL: 0.07 mg/Kg 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
FLONICAMID	29	PER89215 for the control of Thrips & mealybug	Australia: No current concerns. Permit PER89215 Expiry date: 31/05/2028 Codex MRL: 0.8 mg/Kg
LAMBDA-CYHALOTHRIN	3A	PER12961 for the control of Mediterranean Fruit Fly & Queensland Fruit Fly	Australia: No current concerns. Permit PER12961 Expiry date: 31/03/2030 EU: Approved, candidate for substitution
METALDEHYDE	--	Snails and slugs	Australia: No current concerns Canada: In re-evaluation
METHOMYL	1A	PER14548 for the control of Thrips	Australia: APVMA reconsideration. Was to start 2026. APVMA to publish a new Chemical Review priority list by mid 2026. Permit PER14548 Expiry date: 31/05/2028 EU: Not approved Canada: In re-evaluation
METHOXYFENOZIDE	18	PER12591 for the control of Leaf roller, Yellow peach moth, Lightbrown apple moth & Orange fruitborer	Australia: No current concerns. Permit PER12591 Expiry date: 31/07/2026 Codex MRL: 2 mg/Kg EU: Not approved Canada: In re-evaluation
NUCLEAR POLYHEDROSIS VIRUS OF HELICOVERPA ARMIGERA	--	Helicoverpa spp. Scale insects (PER13933) Ants, aphids, thrips, caterpillars, leafhoppers, whiteflies	Australia: No current concerns.
NUCLEAR POLYHEDROSIS VIRUS OF HELICOVERPA ZEA	--	Helicoverpa	Australia: No current concerns.
PETROLEUM OIL	UN	PER13933 for the control of Scale insects	Australia: No current concerns. Permit PER13933 Expiry date: 30/09/2027
PUTRESCINE	--	Mediterranean Fruit Fly	Australia: No current concerns
PYRETHRINS	3A	Fruitfly, Rutherglen bug, Spiders	Australia: No current concerns.

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<b>PYRETHRINS + PIPERONYL BUTOXIDE</b>	3A	Ants, aphids, thrips, caterpillars, leafhoppers, whiteflies	<b>PYRETHRINS</b> Australia: No current concerns.  <b>PIPERONYL BUTOXIDE</b> Australia: No current concerns.
<b>PYRIPROXYFEN</b>	7C	Ants (invasive and nuisance ants)	Australia: No current concerns.
<b>SPINETORAM</b>	5	Flower eating caterpillars Helicoverpa species Leafroller caterpillars Light brown apple moth Loopers Redbanded thrips Western flower thrips Yellow peach moth PER12590 for the control of Fruit Fly (suppression only)	Australia: No current concerns. Permit PER12590 Expiry date: 31/05/2029 Codex MRL: 0.05 mg/Kg EU: Not approved Canada: In re-evaluation
<b>SPINOSAD</b>	5	Flower eating caterpillars Helicoverpa species Leafroller caterpillars Light brown apple moth Loopers Redbanded thrips Western flower thrips Yellow peach moth PER89870 for the control of Fall Armyworm	Australia: No current concerns. Permit PER89870 Expiry date: 31/10/2030 Canada: In re-evaluation
<b>SPIROMESIFEN</b>	23	Two-spotted mite ( <i>Tetranychus urticae</i> )	Australia: No current concerns. EU: Not approved Canada: In re-evaluation
<b>SULFOXAFLOL</b>	4C	Scale insects Banana spotting bug Fruit spotting bug Mealybug Codling moth,	Australia: No current concerns. Codex MRL: 0.3 mg/Kg
<b>TETRANILIPROLE</b>	28	Codling moth, Light brown apple moth	Australia: No current concerns. Codex MRL: 0.4 mg/Kg

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THIACLOPRID	4A	PER14562 for the control of Mediterranean Fruit Fly (Pome Fruit: Japanese persimmon)	Australia: APVMA: Neonicotinoids chemical review has been delayed. The proposed regulatory decision unlikely before 2027. Permit PER14562 Expiry date: 31/05/2027 Codex MRL: 0.7 mg/Kg EU: Not approved Canada: In re-evaluation
TRICHLORFON	1B	PER12450 for the control of Fruit fly PER14743 for the control of Flatid Planthopper Flower-eating Caterpillar Loopers Yellow Peach Moth Suppression only: Fruit-spotting Bug Banana-spotting Bug Green Vegetable Bug Lychee Stink Bug	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Permit PER14743 Expiry date: 28/02/2030 EU: Not approved Canada: Cancelled
TRIMETHYLAMINE HYDROCHLORIDE	--	Mediterranean Fruit Fly	Australia: No current concerns EU: Not approved

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### FUNGICIDES – Disease Control

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CHLOROTHALONIL	M5	PER13445 for the control of Cercospora leaf spot in Japanese persimmon	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2028.</a> Permit PER13445 Expiry date: 30/04/2030 EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
COPPER	M1	PER94006 for the control of Diplodia & pink disease	Australia: No current concerns. Permit PER94006 Expiry date: 31/08/2029
DIFENOCONAZOLE	3	PER87599 for the control of Cercospora leaf spot and leaf spot in Japanese persimmon	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Permit PER87599 Expiry date: 31/03/2029 Codex MRL: 4 mg/Kg EU: Approved, candidate for substitution Canada: In re-evaluation
FLUOPYRAM + TEBUCONAZOLE	7 + 3	Anthracnose (American persimmons)	<b>FLUOPYRAM</b> Australia: No current concerns. Codex MRL: 0.5 mg/Kg <b>TEBUCONAZOLE</b> Australia: APVMA: Removed from nomination list - maintain watching brief EU: Approved, candidate for substitution Canada: In re-evaluation USA: Under Registration Review (scheduled)
FLUOPYRAM + TRIFLOXYSTROBIN	7 + 11	Anthracnose (Japanese persimmons)	<b>FLUOPYRAM</b> Australia: No current concerns. Codex MRL: 0.5 mg/Kg <b>TRIFLOXYSTROBIN</b> Australia: No current concerns. Codex MRL: 0.7 mg/Kg Canada: In re-evaluation

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MANCOZEB	M3	PER12488 for the control of Cercospora leaf spot	<p>Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a></p> <p>Permit PER12488 Expiry date: 30/11/2029</p> <p>EU: Not approved</p> <p>USA: Under Registration Review (scheduled)</p>
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### HERBICIDES - Weed Control

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Active Constituent	MoA Group	Risks and Comments
CARFENTRAZONE-ETHYL	14	Australia: No current concerns. UK: Withdrawn (2033). Canada: In re-evaluation
CLETHODIM	1	Australia: No current concerns.
DIQUAT	22	Australia: APVMA: <a href="#">Currently under review</a> . Publication of the final regulatory decision is expected in Mid 2026. Codex MRL: 0.02 mg/Kg EU: Not approved
FLUAZIFOP-P	1	Australia: No current concerns
GLYPHOSATE	9	Australia: <a href="#">Nominated for targeted spray drift reconsideration</a> USA: Under Registration Review (scheduled)
HALOXYFOP	1	Australia: No current concerns. Codex MRL: 0.02 mg/Kg EU: Not approved
ISOXABEN	29	Australia: No current concerns.
ORYZALIN	3	Australia: No current concerns. EU: Not approved
OXYFLUORFEN	14	Australia: No current concerns. EU: Approved, candidate for substitution Canada: In re-evaluation USA: Under Registration Review (scheduled)
PARAQUAT	22	Australia: APVMA: <a href="#">Currently under review</a> . Publication of the final regulatory decision is expected in Mid 2026. Candidate chemical recommended to be listed to Rotterdam Convention. Codex MRL: 0.01 mg/Kg EU: Not approved Canada: Cancelled USA: Restricted use
SIMAZINE	5	Australia: <a href="#">APVMA nominated for reconsideration after 2029</a> . EU: Not approved

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### FUMIGANTS

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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	<b>CHLOROPICRIN</b> Australia: No current concerns. EU: Not approved USA: Restricted use <b>1,3-DICHLOROPROPENE</b> 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: <a href="#">APVMA nominated for reconsideration after 2029.</a> 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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### PLANT GROWTH REGULATORS AND OTHERS

*Blue text = new APVMA approved uses*

Active Constituent	Use	Risks and Comments
1-METHYLCYCLOPROPENE	Improves quality after shipping, storage and handling	Australia: No current concerns UK: Withdrawn (2034).

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Communications Manager  
 Hort Innovation  
 Level 7, 141 Walker Street  
 North Sydney NSW 2060  
 Australia

Email: [communications@horticulture.com.au](mailto:communications@horticulture.com.au)

Phone: 02 8295 2300