



Strawberry 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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 strawberry 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
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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	Two-spotted (red spider) mite Western flower thrips	Australia: APVMA nominated for reconsideration and spray drift assessment . Canada: Re-evaluation finalised. Label amendments to mitigate risks to human health and environment (July, 2025)
AFIDOPYROPEN	9D	Cabbage aphid Cotton (melon) aphid Green peach aphid Silverleaf (poinsettia) whitefly	Australia: No current concerns. EU: Not approved
BIFENAZATE	20D	Bryobia mite Two-spotted (red spider) mite	Australia: No current concerns. Canada: In re-evaluation
CARBARYL	1A	Grasshoppers	Australia: No current concerns. EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
CHLORANTRANILIPROLE	28	Cluster caterpillar Helicoverpa species	Australia: No current concerns. Canada: In re-evaluation

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CHLORPYRIFOS	1B	--	Australia: The chemical review was completed in September 2024 . 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.
CYANTRANILIPROLE	28	Cluster caterpillar Cotton (melon) aphid Green peach aphid Helicoverpa species Light brown apple moth Onion thrips Plague thrips Strawberry aphid Western flower thrips	Australia: No current concerns.
CYFLUMETOFEN	25A	Two spotted mite European red mite	Australia: No current concerns.
DIMETHOATE	1B	Aphids Green vegetable bug Jassids Redlegged earth mite Rutherglen bug Spider mite Strawberry bug Thrips Wingless grasshopper	Australia: APVMA reconsideration. Prioritised to be commenced by 2029 . FOR BERRIESThe APVMA has published Notice of the suspension in the APVMA Gazette No 23, Tuesday 11 November 2025 , for product registrations and label approvals for dimethoate products for use in blueberries, blackberries and raspberries. During the suspension period, the use of dimethoate is allowed with a 14-day harvest withholding period. EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)

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EMAMECTIN	6	Cluster caterpillar Helicoverpa species Light brown apple moth Loopers	Australia: APVMA Nominated for targeted spray drift reconsideration EU: Approved, candidate for substitution. UK: Withdrawn (2024).
EMULSIFIABLE BOTANICAL OIL	--	Two-spotted mite Aphids	Australia: No current concerns.
ETHYL FORMATE	8A	Western flower thrips	Australia: No current concerns. EU: Not approved
FENAMIPHOS	1B	Crimp Nematodes (only runners)	Australia: No current concerns. UK: Withdrawn (Nov. 2025) USA: Restricted use
FENBUTATIN OXIDE	12B	Two-spotted (red spider) mite	Australia: APVMA nominated for reconsideration after 2029. EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
FENBUTATIN OXIDE + HEXYTHIAZOX	12B + 10A	Two-spotted mite	Australia:
FIPRONIL	2B	PER86492 for the control of European wasp and common wasp	Australia: APVMA: Currently under review. Proposed Regulatory decision expected by April 2026. EU: Not approved USA: Under Registration Review (scheduled)
FLONICAMID	29	Aphids Green mirid Green peach aphid Whiteflies	Australia: No current concerns.

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FLUBENDIAMIDE	28	Cluster caterpillar Helicoverpa species	Australia: No current concerns. EU: Not approved UK: Withdrawn (2024).
FLUOPYRAM	Fungicide	PER95520 for the control of Foliar nematodes (runners)	Australia: No current concerns.
HEXYTHIAZOX	10A	Two-spotted (red spider) mite	Australia: No current concerns.
HEXYTHIAZOX + PIPERONYL BUTOXIDE	10A + --	Two-spotted mite	Australia:
INDOXACARB	22A	PER14192 for the control of White Fringed Weevil and Garden Weevil	Australia: No current concerns. EU: Not approved UK: Withdrawn (2024).
ISOCYCLOSERAM	30	PER94616 for the control of Chilli thrips	Australia: No current concerns.
MALATHION	1B	Fruit flies PER13542 for the control of Rutherglen bug and Lygaeid bugs	Australia: The final regulatory decision was published in an APVMA Special Gazette on 2 May 2024 . Labels have been varied. Products bearing previously approved labels must not be supplied after 1 May 2026. UK: Withdrawn (2025). Canada: In re-evaluation USA: Under Registration Review (scheduled)
METHOMYL	1A	Australian cabbage looper Cluster caterpillar Helicoverpa species Light brown apple moth Loopers	Australia: APVMA reconsideration. Prioritised to be commenced by 2026 . EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
MILBEMECTIN	6	Two-spotted (red spider) mite	Australia: No current concerns. UK: Withdrawn (2024).

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NUCLEAR POLYHEDROSIS VIRUS OF HELICOVERPA ZEA	--	Helicoverpa	Australia: No current concerns.
ORANGE OIL	--	Silverleaf whitefly Two-spotted (red spider) mites	Australia: No current concerns.
PARAFFINIC OIL	UNM	Aphids Mites	Australia: No current concerns.
PERMETHRIN	3A	PER85743 for the control of European Wasps	Australia: APVMA nominated for reconsideration after 2029. EU: Not approved
PIRIMICARB	1A	Aphids	Australia: No current concerns. EU: Approved, candidate for substitution. Canada: Cancelled
PROPARGITE	12C	Mites Two-spotted (red spider) mite	Australia: APVMA reconsideration. Prioritised to be commenced by 2029. EU: Not approved Canada: Cancelled USA: Under Registration Review (scheduled)
PYRETHRINS	3A	Cabbage aphid Cabbage white butterfly Caterpillars Fruit flies Greenhouse whitefly Light brown apple moth Plague thrips Rutherglen bug	Australia: No current concerns.

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PYRETHRINS PIPERONYLBUTOXIDE	3A + --	Black citrus aphid Rose aphid Aphids – cabbage Aphids – green peach Cabbage white butterfly Pear and cherry slug Rutherglen bug Greenhouse whitefly Light brown apple moth Plague thrips Large-bodied caterpillars (e.g. grapevine moth, native budworm)	Australia:
PYRIPROXYFEN	7C	PER13331 for the control of Greenhouse & Silverleaf whitefly	Australia: No current concerns.
SPINETORAM	5	Caterpillars Helicoverpa species Light brown apple moth Loopers Western flower thrips Fruit flies (PER87408)	Australia: No current concerns. EU: Not approved UK: Withdrawn (2024). Canada: In re-evaluation
SPINETORAM	5	PER87408 for the control of fruit fly	Australia: No current concerns. EU: Not approved UK: Withdrawn (2024). Canada: In re-evaluation
SPINOSAD	5	Helicoverpa species Light brown apple moth Loopers Western flower thrips	Australia: No current concerns. Canada: In re-evaluation

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SULFOXAFLO	4C	Green mirid Green peach aphid	Australia: No current concerns.
TRICHLORFON	1B	Cluster caterpillar Cutworms PER12486 for the control of Fruit Fly	Australia: APVMA nominated for reconsideration after 2029. EU: Not approved Canada: Cancelled USA: Under Registration Review (scheduled)
PYRETHRINS	3A		Australia: No current concerns.
PIPERONYL BUTOXIDE	--		Australia: No current concerns. USA: Under Registration Review (scheduled)

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	Botrytis rot	Australia: No current concerns.
BLAD	BM01	Botrytis grey mould	Australia: No current concerns.
BUPIRIMATE	8	Powdery mildew (nursery non-fruiting only)	Australia: No current concerns.
CAPTAN	M4	Black spot	Australia: No current concerns.
COPPER	M1	Leaf diseases / spots	Australia: No current concerns.
CYFLUFENAMID	U6	Powdery mildew	Australia: No current concerns.

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ACTIVE CONSTITUENT	MoA Group	Pest	Risks and Comments
CYPRODINIL + FLUDIOXONIL	9 + 12	Colletotrichum crown and petiole rots	<p>CYPRODINIL Australia: No current concerns. EU: Approved, candidate for substitution. Canada: In re-evaluation</p> <p>FLUDIOXONIL Australia: No current concerns. EU: Approved, candidate for substitution.</p>
EMULSIFIABLE BOTANICAL OIL	--	Sooty mould	Australia: No current concerns.
ETHANEDINITRILE	--	Charcoal stem rot	Australia: No current concerns.
FENHEXAMID	17	Grey mould	Australia: No current concerns.
FLORYLPICOXAMID	21	Botrytis / grey mould	<p>Australia: No current concerns. EU: Pending</p>
FLUAZINAM	29	PER83871 for the control of leaf blotch (runners)	<p>Australia: No current concerns. Permit PER83871 Expiry date: 30/06/2027 Canada: In re-evaluation</p>
FLUOPYRAM + TEBUCONAZOLE	7 + 3	Botrytis / grey mould	<p>FLUOPYRAM Australia: No current concerns.</p> <p>TEBUCONAZOLE Australia: APVMA: Removed from nomination list - maintain watching brief EU: Approved, candidate for substitution. Canada: In re-evaluation USA: Under Registration Review (scheduled)</p>

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FLUOPYRAM + TRIFLOXYSTROBIN	7 + 11	Powdery mildew	FLUOPYRAM Australia: No current concerns. TRIFLOXYSTROBIN Australia: No current concerns. Canada: In re-evaluation
IODINE	M	Bactericide	Australia: No current concerns. Canada: Cancelled
IPFLUFENOQUIN	52	Botrytis	Australia: No current concerns. EU: Pending
IPRODIONE	2	Grey mould	Australia: No current concerns. EU: Not approved USA: Under Registration Review (scheduled)
ISOFETAMID	7	Grey mould	Australia: No current concerns.
MANCOZEB + METALAXYL	M3 + 4	Eye spot	MANCOZEB Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved UK: Withdrawn (2024). USA: Under Registration Review (scheduled) METALAXYL Australia: No current concerns. EU: Approved, candidate for substitution. Canada: In re-evaluation
METALAXYL-M	4	PER13697 for the control of Root & crown rot (runners)	Australia: No current concerns. Permit PER13697 Expiry date: 30/09/2027

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ACTIVE CONSTITUENT	MoA Group	Pest	Risks and Comments
MYCLOBUTANIL	3	Powdery mildew	Australia: APVMA nominated for reconsideration after 2029. EU: Not approved UK: Withdrawn (2024). Canada: In re-evaluation
ORANGE OIL	--	Powdery mildew	Australia: No current concerns.
PENTHIOPYRAD	7	Grey mould	Australia: No current concerns.
PHOSPHOROUS (PHOSPHONIC) ACID	P07 (33)	PER13697 for the control of Root & crown rot (runners) PER80064 for the control of Crown Rot	Australia: No current concerns. Permit PER13697 Expiry date: 30/09/2027 Permit PER80064 Expiry date: 31/07/2030
POLYOXIN D ZINC SALT	19	Grey mould	Australia: No current concerns.
POTASSIUM BICARBONATE	M2	Powdery mildew Powdery mildew	Australia: No current concerns. Canada: In re-evaluation
PROCHLORAZ	3	Colletotrichum crown and stolon rot (runners only)	Australia: No current concerns. EU: Not approved
PYDIFLUMETOFEN + FLUDIOXONIL	7 + 12	Botrytis	PYDIFLUMETOFEN Australia: No current concerns. EU: Pending Canada: In re-evaluation FLUDIOXONIL Australia: No current concerns. EU: Approved, candidate for substitution.
PYRACLOSTROBIN	11	PER14483 for the control of Colletotrichum gloeosporioides (runners)	Australia: No current concerns. Permit PER14483 Expiry date: 30/09/2028 Canada: In re-evaluation

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PYRIMETHANIL	9	Grey mould	Australia: No current concerns. Canada: In re-evaluation
QUINOXYFEN	13	Powdery mildew	Australia: No current concerns. EU: Not approved Canada: Cancelled
<i>Streptomyces lydicus</i>	--	Phytophthora crown rot	Australia: No current concerns.
SULPHUR	M2	Powdery mildew	Australia: No current concerns. Canada: In re-evaluation
THIRAM	M3	Black spot	Australia:APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved Canada: Only approved for seed treatment.
TRIFLOXYSTROBIN	11	Powdery mildew	Australia: No current concerns. Canada: In re-evaluation
ZINEB	M3	Leaf diseases / spots	Australia:APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved Canada: Cancelled

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HERBICIDES – Weed Control

Active Constituent	MoA Group	Risks and Comments
FLUAZIFOP-P	1	Australia: No current concerns
GLUFOSINATE-AMMONIUM	10	Australia: APVMA Nominated for targeted spray drift reconsideration EU: Not approved Canada: In re-evaluation
GLYPHOSATE	9	Australia: APVMA Nominated for targeted spray drift reconsideration USA: Under Registration Review (scheduled)
ORYZALIN	3	Australia: No current concerns. EU: Not approved UK: Withdrawn (2024).
PENDIMETHALIN OXYFLUORFEN	3 + 14	Australia:
SIMAZINE	5	Australia: APVMA nominated for reconsideration after 2029. EU: Not approved

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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	<p>CHLOROPICRIN Australia: No current concerns. EU: Not approved USA: Restricted use</p> <p>1,3-DICHLOROPROPENE Australia: No current concerns. EU: Pending Canada: Cancelled</p>
DAZOMET	Control of bacterial spot (Xanthomonas spp.) (suppression only). Soil insects and nematodes	<p>Australia: No current concerns. USA: Under Registration Review (scheduled)</p>
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.

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