

Strawberry

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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 Strawberry 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
ABAMECTIN	6	Two-spotted (red spider) mite Western flower thrips	Australia: APVMA nominated for reconsideration and spray drift assessment. Codex MRL: 0.15 mg/Kg 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. Codex MRL: 0.15 mg/Kg 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.
BIFENAZATE	20D	Bryobia mite Two-spotted (red spider) mite	Australia: No current concerns. Codex MRL: 2 mg/Kg UK: Withdrawn (2029). Canada: In re-evaluation
CARBARYL	1A	Grasshoppers	Australia: No current concerns. EU: Not approved Canada: In re-evaluation Codex - being considered for periodic review
CHLORANTRANILIPROLE	28	Cluster caterpillar Helicoverpa species	Australia: No current concerns. Codex MRL: 1 mg/Kg Canada: In re-evaluation

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CHLORPYRIFOS	1B	PER81745 for the control of Scarab beetles (field cropping only; QLD only)	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. Permit PER81745 Expiry date: 31/07/2026 EU: Not approved Canada: Cancelled
COPPER		Snails	Australia: No current concerns.
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. Codex MRL: 1.5 mg/Kg
CYFLUMETOFEN	25A	Two spotted mite European red mite	Australia: No current concerns. Codex MRL: 0.6 mg/Kg
DIMETHOATE	1B	Aphids Green vegetable bug Jassids Redlegged earth mite Rutherglen bug Spider mite Strawberry bug Thrips Wingless grasshopper	Australia: APVMA: Prioritised for chemical reconsideration in 2029. The APVMA has published Notice of the suspension in the APVMA Gazette No 23, Tuesday 11 November 2025, including a brief statement of reasons for the decision, and instructions for use during the suspension period, which allow the continued use of dimethoate with a 14-day harvest withholding period when used on blueberries, raspberries and blackberries. The permit is valid for one year. Link: https://www.apvma.gov.au/news-and-publications/news/suspension-of-specific-dimethoate-products-251111 EU: Not approved Canada: In re-evaluation
EMAMECTIN	6	Cluster caterpillar Helicoverpa species Light brown apple moth Loopers	Australia: Nominated for targeted spray drift reconsideration EU: Approved, candidate for substitution
EMULSIFIABLE BOTANICAL OIL		Two-spotted mite Aphids	Australia: No current concerns.
ETHYL FORMATE	8A	Western flower thrips	Australia: No current concerns. EU: Not approved

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FENAMIPHOS	1B	Crimp Nematodes (only runners)	Australia: No current concerns.
FENBUTATIN OXIDE	12B	Two-spotted (red spider) mite	Australia: APVMA nominated for reconsideration after 2029. Codex MRL: 10 mg/Kg EU: Not approved Canada: In re-evaluation
FENBUTATIN OXIDE + HEXYTHIAZOX	12B + 10A	Two-spotted mite	FENBUTATIN OXIDE Australia: APVMA nominated for reconsideration after 2029. Codex MRL: 10 mg/Kg EU: Not approved Canada: In re-evaluation HEXYTHIAZOX Australia: No current concerns. Codex MRL: 6 mg/Kg
FIPRONIL	2B	European Wasp PER86492 for the control of European wasp and common wasp	Permit PER89402 Expiry date: 30/04/2027 Australia: APVMA: Proposed Regulatory decision was expected by April 2026. APVMA is now advising the by end of 2026 at the earliest. Permit PER86492 Expiry date: 31/08/2026 EU: Not approved
FLONICAMID	29	Aphids Green mirid Green peach aphid Whiteflies	Australia: No current concerns.
FLUBENDIAMIDE	28	Cluster caterpillar Helicoverpa species	Australia: No current concerns. EU: Not approved
FLUOPYRAM		PER95520 for the control of Foliar nematodes (runners)	Australia: No current concerns. Permit PER95520 Expiry date: 30/11/2026 Codex MRL: 0.4 mg/Kg
HEXYTHIAZOX	10A	Two-spotted (red spider) mite	Australia: No current concerns. Codex MRL: 6 mg/Kg

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HEXYTHIAZOX + PIPERONYL BUTOXIDE	10A	Two-spotted mite	<p>HEXYTHIAZOX Australia: No current concerns. Codex MRL: 6 mg/Kg</p> <p>PIPERONYL BUTOXIDE Australia: No current concerns.</p>
INDOXACARB	22A	PER14192 for the control of White Fringed Weevil and Garden Weevil	Australia: No current concerns. Permit PER14192 Expiry date: 31/07/2028 EU: Not approved
IRON EDTA COMPLEX	--	Snails and slugs	Australia: No current concerns
ISOCYCLOSERAM	30	Chilli thrips	Australia: No current concerns. Permit PER96693 Expiry date: 30/04/2031
MALATHION	1B	Fruit flies PER13542 for the control of Rutherglen bug and Lygaeid bugs	Australia: Spodoptera frugiperda Permit PER13542 Expiry date: 31/05/2030 Codex MRL: 1 mg/Kg Canada: In re-evaluation
METALDEHYDE	--	Snails and slugs	Australia: No current concerns
METHOMYL	1A	Australian cabbage looper Cluster caterpillar Helicoverpa species Light brown apple moth Loopers	Australia: APVMA reconsideration. Was to start 2026. APVMA to publish a new Chemical Review priority list by mid 2026. EU: Not approved Canada: In re-evaluation
MILBEMECTIN	6	Two-spotted (red spider) mite	Australia: No current concerns.
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. Permit PER85743 Expiry date: 31/03/2028 Codex MRL: 1 mg/Kg EU: Not approved

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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.
PYRETHRINS	3A	Cabbage aphid Cabbage white butterfly Caterpillars Fruit flies Greenhouse whitefly Light brown apple moth Plague thrips Rutherglen bug	Australia: No current concerns.
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)	PYRETHRINS Australia: No current concerns. PIPERONYLBUTOXIDE Australia: No current concerns.
PYRIPROXYFEN	7C	PER13331 for the control of Greenhouse & Silverleaf whitefly	Australia: No current concerns. Permit PER13331 Expiry date: 31/05/2030
SPINETORAM	5	Caterpillars Helicoverpa species Light brown apple moth Loopers Western flower thrips PER87408 for the control of fruit fly	Australia: No current concerns. Permit PER87408 Expiry date: 28/02/2029

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SPINOSAD	5	Helicoverpa species Light brown apple moth Loopers Western flower thrips	Australia: No current concerns.
SULFOXAFLO	4C	Green mirid Green peach aphid	Australia: No current concerns.
TRICHLORFON	1B	Cluster caterpillar Cutworms	Australia: APVMA nominated for reconsideration after 2029.
ZINC PHOSPHIDE	24A	Rats and mice	Australia: No current concerns. Permit PER91447 Expiry date: 31/08/2026

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FUNGICIDES – Disease Control

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Active Constituent	MoA Group	Pest	Risks and Comments
AUREOBASIDIUM PULLULANS	--	Grey mould	Australia: No current concerns.
Bacillus amyloliquefaciens 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. UK: (2029).
CAPTAN	M4	Black spot	Australia: No current concerns. Codex MRL: 15 mg/Kg
COPPER	M1	Leaf diseases / spots	Australia: No current concerns.
CYFLUFENAMID	U6	Powdery mildew	Australia: No current concerns.
CYPRODINIL + FLUDIOXONIL	9 + 12	Colletotrichum crown and petiole rots	CYPRODINIL Australia: No current concerns. FLUDIOXONIL Australia: No current concerns.
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. Codex MRL: 10 mg/Kg
FLORYLPICOXAMID	21	Botrytis / grey mould	Australia: No current concerns. Codex MRL: 1.5 mg/Kg EU: Pending
FLUAZINAM	29	PER83871 for the control of Leaf blotch (runners)	Australia: No current concerns. Permit PER83871 Expiry date: 30/06/2027 Canada: In re-evaluation

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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</p>
FLUOPYRAM + TRIFLOXYSTROBIN	7 + 11	Powdery mildew	<p>FLUOPYRAM Australia: No current concerns.</p> <p>TRIFLOXYSTROBIN Australia: No current concerns.</p>
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	<p>MANCOZEB Australia: APVMA reconsideration. Prioritised to be commenced by 2027.</p> <p>METALAXYL Australia: No current concerns.</p>
METALAXYL-M	4	PER13697 for the control of Root & crown rot (runners)	Australia: No current concerns. Permit PER13697 Expiry date: 30/09/2027
MYCLOBUTANIL	3	Powdery mildew	Australia: APVMA nominated for reconsideration after 2029. Codex MRL: 0.8 mg/Kg EU: Not approved Canada: In re-evaluation
ORANGE OIL	--	Powdery mildew	Australia: No current concerns.
PENTHIOPYRAD	7	Grey mould	Australia: No current concerns. Codex MRL: 3 mg/Kg EU: Not approved

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PHOSPHOROUS (PHOSPHONIC) ACID	P07 (33)	PER80064 for the control of Crown Rot PER13697 for the control of Root & crown rot (runners)	Australia: No current concerns. Permit PER80064 Expiry date: 31/07/2030
POLYOXIN D ZINC SALT	19	Grey mould	Australia: No current concerns.
POTASSIUM BICARBONATE	M2	Powdery mildew	Australia: No current concerns.
PROCHLORAZ	3	Colletotrichum crown and stolon rot (runners only)	Australia: No current concerns.
PYDIFLUMETOFEN + FLUDIOXONIL	7 + 12	Botrytis	PYDIFLUMETOFEN Australia: No current concerns. FLUDIOXONIL Australia: No current concerns.
PYRACLOSTROBIN	11	PER14483 for the control of Colletotrichum gloeosporioides (runners)	Australia: No current concerns. Permit PER14483 Expiry date: 30/09/2028
PYRIMETHANIL	9	Grey mould	Australia: No current concerns.
QUINOXYFEN	13	Powdery mildew	Australia: No current concerns.
STREPTOMYCES LYDICUS STRAIN WYEC 108		Phytophthora crown rot	Australia: No current concerns.
SULPHUR	M2	Powdery mildew	Australia: No current concerns.
THIRAM	M3	Black spot	Australia: APVMA reconsideration. Prioritised to be commenced by 2027.
TRIFLOXYSTROBIN	11	Powdery mildew	Australia: No current concerns.
ZINEB	M3	Leaf diseases / spots	Australia: APVMA reconsideration. Prioritised to be commenced by 2027.

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HERBICIDES - Weed Control

Blue text = new APVMA approved uses

Active Constituent	MoA Group	Risks and Comments
FLUAZIFOP-P	1	Australia: No current concerns
GLUFOSINATE-AMMONIUM	10	Australia: Nominated for targeted spray drift reconsideration EU: Not approved Canada: In re-evaluation
GLYPHOSATE	9	Australia: Nominated for targeted spray drift reconsideration USA: Under Registration Review (scheduled)
ORYZALIN	3	Australia: No current concerns. EU: Not approved
PENDIMETHALIN OXYFLUORFEN	3 + 14	<p>PENDIMETHALIN Australia: No current concerns. Codex MRL: 0.05 mg/Kg EU: Approved, candidate for substitution Canada: In re-evaluation USA: Under Registration Review (scheduled)</p> <p>OXYFLUORFEN Australia: No current concerns. EU: Approved, candidate for substitution Canada: In re-evaluation USA: Under Registration Review (scheduled)</p>
SIMAZINE	5	Australia: APVMA nominated for reconsideration after 2029. EU: Not approved

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FUMIGANTS

Blue text = new APVMA approved uses

Active Constituent	Use	Risks and Comments
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	CHLOROPICRIN Australia: No current concerns. EU: Not approved USA: Restricted use 1,3-DICHLOROPROPENE 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 to meet interstate and intrastate quarantine requirements	Australia: APVMA nominated for reconsideration after 2029. 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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