

Stone Fruit

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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 Stone Fruit 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
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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
(E,E) 8,10 DODECADIEN-1-OL	--	Codling moth	Australia: No current concerns.
1-DODECANOL		Oriental fruit moth	Australia: No current concerns.
4-(P-ACETOXYPHENYL)-2-BUTANONE + FIPRONIL	2B	Queensland fruit fly Lesser Queensland fruit fly	<p>4-(P-ACETOXYPHENYL)-2-BUTANONE Australia: No current concerns.</p> <p>FIPRONIL 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</p>
4-(P-ACETOXYPHENYL)-2-BUTANONE + MALATHION	1B	Queensland fruit fly	<p>4-(P-ACETOXYPHENYL)-2-BUTANONE Australia: No current concerns.</p> <p>MALATHION 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. Canada: In re-evaluation</p>
ACEQUINOCYL	20B	Two-spotted (red spider) mite	Australia: No current concerns. UK: Withdrawn (2029).
ACETAMIPRID NOVALURON	4A + 15	Black peach aphid Fruit flies Green peach aphid Light brown apple moth Oriental fruit moth San Jose scale	<p>ACETAMIPRID Australia: APVMA: Neonicotinoids chemical review has been delayed. The proposed regulatory decision unlikely before 2027. UK: Withdrawn (2033). Canada: In re-evaluation</p> <p>NOVALURON Australia: No current concerns.</p>

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ALPHA-CYPERMETHRIN	3A	Apple weevil Garden weevil PER91059 for the control of Fruit Fly	Australia: APVMA nominated for reconsideration after 2029 . Permit PER91059 Expiry date: 30/06/2027 EU: Not approved
AMMONIUM ACETATE		Mediterranean Fruit Fly	Australia: No current concerns Permit PER96797 Expiry date: 30/04/2031
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 European red mite Two-spotted (red spider) mite	Australia: No current concerns. Codex MRL: 2 mg/Kg UK: Withdrawn (2029). Canada: In re-evaluation
BIFENTHRIN	3A	Dried fruit beetles (Carpophilus spp.)	Australia: APVMA nominated for reconsideration after 2029 . EU: Not approved Canada: Cancelled
CARBARYL	1A	European earwig Fruit-tree borer Green treehopper Helicoverpa species Light brown apple moth Orange fruit borer Oriental fruit moth Red shouldered leaf beetle Wingless grasshopper	Australia: No current concerns. EU: Not approved Canada: In re-evaluation Codex - being considered for periodic review
CARPOPHILUS AGGREGATION PHEROMONES		Carpophilus beetle	Australia: No current concerns
CHLORANTRANILIPROLE	28	Black cutworm Light brown apple moth Oriental fruit moth	Australia: No current concerns. Codex MRL: 1 mg/Kg 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
CLOFENTEZINE	10A	Bryobia mite European red mite Two-spotted (red spider) mite	Australia: No current concerns. Codex MRL: 0.5 mg/Kg EU: Not approved
CLOTHIANIDIN	4A	Fruit flies Green peach aphid (nectarine and peach) Oriental fruit moth (nectarine and peach) Carpophilus beetle PER13527 for the control of Oriental Fruit Moth in apricots	Australia: APVMA: Neonicotinoids chemical review has been delayed. The proposed regulatory decision unlikely before 2027. Permit PER13527 Expiry date: 30/06/2026 Codex MRL: 0.2 mg/Kg EU: Not approved Canada: In re-evaluation
COPPER	--	Snails	Australia: No current concerns.
CYDIA POMONELLA GRANULOSIS VIRUS	31	Oriental fruit moth	Australia: No current concerns.
DELTAMETHRIN	3A	Mediterranean Fruit Fly	Australia: No current concerns. Permit PER96797 Expiry date: 30/04/2031
DIAZINON	1B	San Jose scale, green peach aphid, black cherry aphid	Australia: APVMA made a Final Decision on 2024 . After 10 September 2025, crop uses are no longer approved. . Codex: All MRLs deleted EU: Not approved Canada: Cancelled
DIMETHOATE	1B	PER13859 for the control of fruit fly	Australia: APVMA: Prioritised to be commenced by 2029. Permit PER13859 Expiry date: 31/05/2030 EU: Not approved Canada: In re-evaluation
ETOXAZOLE	10B	Bryobia mite European red mite Two-spotted (red spider) mite	Australia: No current concerns. EU: Approved, candidate for substitution
FENBUTATIN OXIDE	12B	Bryobia mite (nectarine and peach) European red mite (nectarine and peach) Two-spotted (red spider) mite (nectarine and peach)	Australia: APVMA nominated for reconsideration after 2029 . EU: Not approved Canada: In re-evaluation

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FENITROTHION	1B	Locusts Small plague grasshopper Wingless grasshopper	Australia: On 15 August 2025, the APVMA made its final decision, cancelling field uses in horticultural crops (Gazette No. 17) . A deemed one-year permit allows possession, supply, and use of products with previously approved labels EU: Not approved Canada: Cancelled
FIPRONIL	2B	Queensland fruit fly (bait)	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
HEXYTHIAZOX	10A	European red mite Two-spotted (red spider) mite	Australia: No current concerns. Codex MRL: 0.3 mg/Kg
HEXYTHIAZOX + PIPERONYLBUTOXIDE	10A	Two-spotted mite	HEXYTHIAZOX Australia: No current concerns. Codex MRL: 0.3 mg/Kg PIPERONYLBUTOXIDE Australia: No current concerns.
IMIDACLOPRID	4A	Black peach aphid Green peach aphid	Australia: APVMA: Neonicotinoids chemical review has been delayed. The proposed regulatory decision unlikely before 2027. EU: Not approved Canada: Very few uses allowed in greenhouses and seed treatment.
INDOXACARB	22A	Apple weevil Fuller's rose weevil Garden weevil Helicoverpa species Light brown apple moth Oriental fruit moth Wingless grasshopper	Australia: No current concerns. Codex MRL: 1 mg/Kg EU: Not approved
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

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MALATHION	1B	Black peach aphid Cherry aphid European red mite Fruit flies Green peach aphid Oriental fruit moth Rutherglen bug Wingless grasshopper	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. Canada: In re-evaluation
METALDEHYDE	--	Snails and slugs	Australia: No current concerns
METHOMYL	1A	Green peach aphid Helicoverpa species Red shouldered leaf beetle Thrips	Australia: APVMA reconsideration. Was to start 2026. APVMA to publish a new Chemical Review priority list by mid 2026.
MILBEMECTIN	6	Two-spotted (red spider) mite	Australia: No current concerns.
PARAFFINIC OIL	UNM	European red mite Bryobia mite Frosted scale Mites Oystershell scale Pear scale San Jose scale Scale insects Spider mites (red spider) Two-spotted (red spider) mite	Australia: No current concerns.
PIPERONYL BUTOXIDE	--	--	Australia: No current concerns.
PIRIMICARB	1A	Black peach aphid Cherry aphid Green peach aphid	Australia: No current concerns.
PROPARGITE	12C	European red mite Mites Two-spotted (red spider) mite	Australia:
PUTRESCINE		Mediterranean Fruit Fly	Australia: No current concerns Permit PER96797 Expiry date: 30/04/2031
PYMETROZINE	9B	Black peach aphid Green peach aphid	Australia: APVMA nominated for reconsideration and spray drift assessment .

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PYRETHRINS	3A	Fruit flies Rutherglen bug Spiders PER82426 for the control of Brown marmorated stink bug and yellow spotted stink bug	Australia: No current concerns. Permit PER82426 Expiry date: 31/01/2030
PYRETHRINS + PIPERONYLBUTOXIDE	3A	Whiteflies Caterpillars Earwigs Aphids Ants Thrips Leafhoppers Flies	PYRETHRINS Australia: No current concerns. Permit PER82426 Expiry date: 31/01/2030 PIPERONYLBUTOXIDE Australia: No current concerns.
PYRIDABEN	21A	European red mite Two-spotted (red spider) mite	Australia: No current concerns.
SPINETORAM	5	Caterpillars Light brown apple moth Oriental fruit moth Pear and cherry slug Western flower thrips PER12590 for the control of Fruit Fly (suppression only)	Australia: No current concerns. Permit PER12590 Expiry date: 31/05/2029
SPINOSAD	5	Light brown apple moth Oriental fruit moth Pear and cherry slug Western flower thrips	Australia: No current concerns.
SPIROMESIFEN	23	Two-spotted mite	Australia: No current concerns.
SPIROTETRAMAT	23	Black peach aphid Cherry aphid Longtailed mealybug San Jose scale Tuber mealybug PER84804 for the control of Western flower thrips	Australia: No current concerns. Permit PER84804 Expiry date: 31/12/2028

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SULFOXAFLO	4C	Apple dimpling bug (yellow mirid) Black peach aphid Cherry aphid Green peach aphid	Australia: No current concerns.
SULFUR	UN	Bryobia mite Frosted scale San Jose scale	Australia: No current concerns.
TAU-FLUVALINATE	3A	Plague thrips (nectarine, peach and plum)	Australia: No current concerns.
TEBUFENPYRAD	21A	European red mite (peaches) Two-spotted (red spider) mite (peaches)	Australia: No current concerns.
TETRANILIPROLE	28	Apple weevil Dried fruit beetles (Carpophilus Spp.) Fuller's rose weevil Garden weevil Mediterranean fruit fly Oriental fruit moth	Australia: No current concerns.
THIACLOPRID	4A	Green peach aphid Oriental fruit moth PER14562 for the control of Mediterranean Fruit Fly	Australia: APVMA: Neonicotinoids chemical review has been delayed. The proposed regulatory decision unlikely before 2027. Permit PER14562 Expiry date: 31/05/2027
TRICHLORFON	1B	Rutherglen Bug Queensland Fruit Fly PER14683 for the control of Mediterranean fruit fly	Australia: APVMA nominated for reconsideration after 2029. Permit PER14683 Expiry date: 31/03/2027
TRIMETHYLAMINE HYDROCHLORIDE		Mediterranean Fruit Fly	Australia: No current concerns Permit PER96797 Expiry date: 30/04/2031

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FUNGICIDES – Disease Control

Blue text = new APVMA approved uses

Active Constituent	MoA Group	Pest	Risks and Comments
BLAD	BM01	Blossom blight Brown rot	Australia: No current concerns.
CAPTAN	M4	Brown rot Blossom blight	Australia: No current concerns.
CHLOROTHALONIL	M5	Blossom blight Brown rot Leaf curl Rust Shot hole	Australia: APVMA reconsideration. Prioritised to be commenced by 2028. EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
COPPER	M1	Bacterial canker / blast Bacterial spot Blossom blight Brown rot Freckle or scab Leaf curl Phytophthora stem rot Rust Shot hole Trunk and stem canker	Australia: No current concerns.
CYPROCONAZOLE + IODOCARB	3 + 28	Silverleaf fungus	CYPROCONAZOLE Australia: APVMA nominated for reconsideration after 2029. EU: Not approved IODOCARB Australia: No current concerns.
CYPRODINIL	9	Blossom blight Brown rot (apricots,nectarines,peaches,plums)	Australia: No current concerns. Codex MRL: 2 mg/Kg EU: Approved, candidate for substitution Canada: In re-evaluation

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DITHIANON	M9	Brown rot Freckle and scab (apricot, nectarine and peach) Leaf curl (nectarine and peach) Peach blight Rust (nectarine, peach and plum) Shot hole	Australia: No current concerns. Codex MRL: 2 mg/Kg
DODINE	U12	Peach leaf curl (peaches and nectarines) Blossom blight (peaches and nectarines)	Australia: No current concerns. Canada: In re-evaluation
FLUDIOXONIL	12	Brown rot Grey mould Transit rot (rhizopus soft rot)	Australia: No current concerns. Codex MRL: 5 mg/Kg EU: Approved, candidate for substitution
FLUOPYRAM TRIFLOXYSTROBIN	7 + 11	Blossom blight Shot hole	FLUOPYRAM Australia: No current concerns. TRIFLOXYSTROBIN Australia: No current concerns.
FOSETYL-ALUMINIUM	P07 (33)	PER85273 for the control of Phytophthora trunk and collar rot in apricot, peach, nectarine and plum.	Australia: Nominated for reconsideration after 2029 Permit PER85273 Expiry date: 31/01/2028
IODINE	M	Bactericide Fungi	Australia: No current concerns. Canada: Cancelled
IPRODIONE	2	Blossom blight Brown rot Stem end rot (Po) Transit rot (rhizopus soft rot – Po)	Australia: No current concerns. EU: Not approved USA: Under Registration Review (scheduled)
MANCOZEB	M3	Bacterial canker / blast Brown rot Freckle or scab Rust Shot hole Blossom blight	Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved USA: Under Registration Review (scheduled)
MANDESTROBIN	11	Blossom blight Brown rot	Australia: No current concerns.
METALAXYL	4	Phytophthora trunk rot (P.cactorum and P.cinnamomi) (peaches)	Australia: No current concerns. EU: Approved, candidate for substitution Canada: In re-evaluation

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METIRAM	M3	Rust Shot hole	Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved Canada: Only approved for foliar applications in potato crops.
PENTHIOPYRAD	7	Blossom blight Brown rot Freckle or scab	Australia: No current concerns. Codex MRL: 4 mg/Kg EU: Not approved
POTASSIUM BICARBONATE	M2	Brown rot (nectarines)	Australia: No current concerns. Canada: In re-evaluation
PROCYMIDONE	2	Blossom blight	Australia: No current concerns. EU: Not approved
PROPICONAZOLE	3	Brown rot	Australia: APVMA nominated for reconsideration and spray drift assessment. EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
RHIZOBIUM RHIZOGENES STRAIN K1026	--	Crown gall	Australia: No current concerns.
SULPHUR	M2	Blossom blight Brown rot Freckle or scab Leaf curl Rust Shot hole	Australia: No current concerns. Canada: In re-evaluation
THIRAM	M3	Brown rot Freckle or scab Shot hole	Australia: APVMA reconsideration. Prioritised to be commenced by 2027.
TRIFORINE	3	Brown rot Blossom blight (peaches,nectarines,apricots,plumsandprunes)	Australia: No current concerns.
ZINEB	M3	Rust	Australia: APVMA reconsideration. Prioritised to be commenced by 2027.
ZIRAM	M3	Blossom blight Brown rot Freckle or scab Leaf curl Shot hole	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
AMITROLE AMMONIUM THIOCYANATE	34 + 34	<p>AMITROLE Australia: APVMA nominated for reconsideration after 2029. Codex MRL: 0.05 mg/Kg Canada: Cancelled</p> <p>AMMONIUM THIOCYANATE Australia: No current concerns</p>
CLETHODIM	1	Australia: No current concerns.
DICHLOROBENIL	29	Australia: No current concerns. EU: Not approved Canada: In re-evaluation
DIQUAT	22	Australia: APVMA: Currently under review . 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
FLUMIOXAZIN	14	Australia: No current concerns. Codex MRL: 0.02 mg/Kg Canada: In re-evaluation
GLUFOSINATE-AMMONIUM CARFENTRAZONE-ETHYL	10 + 14	<p>GLUFOSINATE-AMMONIUM Australia: Nominated for targeted spray drift reconsideration EU: Not approved Canada: In re-evaluation</p> <p>CARFENTRAZONE-ETHYL Australia: No current concerns. UK: Withdrawn (2033). Canada: In re-evaluation</p>

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GLYPHOSATE CARFENTRAZONE-ETHYL	9 + 14	<p>GLYPHOSATE Australia: Nominated for targeted spray drift reconsideration USA: Under Registration Review (scheduled)</p> <p>CARFENTRAZONE-ETHYL Australia: No current concerns. UK: Withdrawn (2033). Canada: In re-evaluation</p>
HALOXYFOP	1	Australia: No current concerns. Codex MRL: 0.02 mg/Kg EU: Not approved
NAPROPAMIDE	0	Australia: No current concerns. Canada: In re-evaluation
NONANOIC ACID	--	Australia: No current concerns.
NORFLURAZON	12	Australia: No current concerns. EU: Not approved
ORYZALIN	3	Australia: No current concerns.
OXYFLUORFEN	14	Australia: No current concerns.
PARAQUAT	22	Australia: APVMA: Currently under review . Publication of the final regulatory decision is expected in Mid 2026. Candidate chemical recommended to be listed to Rotterdam Convention.
PENDIMETHALIN	3	Australia: No current concerns.
TERBACIL	5	Australia: No current concerns. Use in peaches
TRIFLURALIN	3	Australia: No current concerns.

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FUMIGANTS

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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. 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

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Active Constituent	Use	Risks and Comments
1-METHYLCYCLOPROPENE	Delays ripening and softening postharvest, extends shelf life in plums, nectarines and apricots.	Australia: No current concerns UK: Withdrawn (2034).
AMINOETHOXYVINYLGLYCINE	Enhances firmness over the harvest and storage periods and can delay maturity by about 3 days (depending on variety) leading to larger fruit.	Australia: No current concerns. EU: Not approved
AMMONIUM THIOSULPHATE	Thinning of blossoms and reducing fruit load in peaches and plums.	
CYANAMIDE	Promotes uniform and earlier budbreak in plums.	
ETHEPHON	Advancement and concentration of maturity in peaches.	
GIBBERELIC ACID	For reduction of flowering and fruiting thinning in the next cropping season.	
PACLOBUTRAZOL	Reduce vegetative growth.	

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Funding statement: MT24008 – Regulatory Support & Response Co-ordination. This multi-industry project has been funded by Hort Innovation, using industry research and development levies and contributions from the Australian Government. Hort Innovation is the grower-owned, not-for-profit research and development corporation for Australian horticulture.

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