

# Nashi

## 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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 Nashi 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
R3	Long-term: Potential issues associated with use – Monitoring required < 5 years
R4	No current risk/concerns

## INSECTICIDES/MITICIDES/NEMATOCIDES - Insect and other pests

*Blue text = new APVMA approved uses*

Active Constituent	MoA Group	Pest	Risks and Comments
(Z)-8-DODECEN-1-YL ACETATE	--	Oriental fruit moth	Australia: No current concerns.
1-DODECANOL	--	Codling moth Oriental fruit moth	Australia: No current concerns.
3-METHYL-1-BUTANOL	--	Carpophilus beetles	Australia: No current concerns.
ABAMECTIN	6	Armyworm Cotton bollworm Native budworm Cabbage moth Cabbage white butterfly Loopers Lightbrown apple moth Vine moth	Australia: <a href="#">APVMA nominated for reconsideration and spray drift assessment.</a> Codex MRL: 0.01 mg/Kg Canada: Re-evaluation finalised. Label amendments to mitigate risks to human health and environment (July, 2025)
ABAMECTIN + CHLORANTRANILIPROLE	6 + 28	Codling moth Helicoverpa species Light brown apple moth Oriental fruit moth Two-spotted (red spider) mite	<b>ABAMECTIN</b> Australia: APVMA nominated for reconsideration and spray drift assessment. Codex MRL: 0.01 mg/Kg Canada: Re-evaluation finalised. Label amendments to mitigate risks to human health and environment (July, 2025) <b>CHLORANTRANILIPROLE</b> Australia: No current concerns. Codex MRL: 0.4 mg/Kg Canada: In re-evaluation
AMMONIUM ACETATE	--	Mediterranean Fruit Fly	Australia: No current concerns Permit PER96797 Expiry date: 30/04/2031 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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CHLORANTRANILIPROLE	28	Codling moth Helicoverpa species Light brown apple moth Oriental fruit moth	Australia: No current concerns. Codex MRL: 0.4 mg/Kg Canada: In re-evaluation
CHLORPYRIFOS	1B	Queensland fruit fly, wingless grasshopper (label) Locusts (PER11843 – EXPIRED)	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
CLOFENTEZINE	10A	European red mite Two-spotted (red spider) mite Bryobia mite	Australia: No current concerns. Codex MRL: 0.5 mg/Kg EU: Not approved
CLOTHIANIDIN	4A	Queensland and Mediterranean fruit flies	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.
CYDIA POMONELLA GRANULOSIS VIRUS	31	Codling moth Oriental fruit moth	Australia: No current concerns.
DELTAMETHRIN	3A	Mediterranean Fruit Fly	Australia: No current concerns. Permit PER96797 Expiry date: 30/04/2031
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
E,E-9,11-TETRADECADIEN-1-YL ACETATE   E-11-TETRADECEN- 1-YL ACETATE	--	Light brown apple moth	<b>E,E-9,11-TETRADECADIEN-1-YL ACETATE</b> Australia: No current concerns. <b>E-11-TETRADECEN-1-YL ACETATE</b> Australia: No current concerns.
ETOXAZOLE	10B	European red mite Two-spotted (red spider) mite Bryobia 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

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INDOXACARB	22A	Apple weevil Codling moth Fuller's rose weevil Garden weevil Helicoverpa species Light brown apple moth Wingless grasshopper	Australia: No current concerns. 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
METALDEHYDE	--	Snails and slugs	Australia: No current concerns Canada: In re-evaluation
METHOXYFENOZIDE	18	Light brown apple moth Loopers	Australia: No current concerns.
MILBEMECTIN	6	European red mite Two-spotted (red spider) mite	Australia: No current concerns.
NUCLEAR POLYHEDROSIS VIRUS OF HELICOVERPA ZEA	--	Helicoverpa species	Australia: No current concerns.
PARAFFIN OIL	--	European red mite Frosted scale Oystershell scale San Jose scale Spider mites Two-spotted (red spider) mite Pear scale	Australia: No current concerns.
PUTRESCINE	--	Mediterranean Fruit Fly	Australia: No current concerns Permit PER96797 Expiry date: 30/04/2031
PYRETHRINS	3A	Fruitfly, Rutherglen bug, Spiders	Australia: No current concerns.
PYRIDABEN	21A	Two-spotted (red spider) mite	Australia: No current concerns.
SPINETORAM	5	Caterpillars Codling moth Helicoverpa species Light brown apple moth Loopers 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 Codex MRL: 0.05 mg/kg EU: Not approved Canada: In re-evaluation

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<b>SPINOSAD</b>	5	Helicoverpa species Light brown apple moth Loopers Pear and cherry slug Western flower thrips PER96806 for the control of Fall Armyworm	Australia: No current concerns. Permit PER96806 Expiry date: 30/05/2031 Canada: In re-evaluation
<b>SPIROMESIFEN</b>	23	Two-spotted mite	Australia: No current concerns. EU: Not approved Canada: In re-evaluation
<b>SPIROTETRAMAT</b>	23	Longtailed mealybug San Jose scale Tuber mealybug Woolly aphid	Australia: No current concerns. Codex MRL: 0.7 mg/Kg EU: Not approved Canada: In re-evaluation
<b>SULFOXAFLOX</b>	4C	Apple dimpling bug (yellow mirid) Longtailed mealybug San Jose scale Tuber mealybug Woolly aphid	Australia: No current concerns. Codex MRL: 0.3 mg/Kg
<b>THIACLOPRID</b>	4A	Codling moth Oriental fruit moth Woolly aphid 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 Codex MRL: 0.7 mg/Kg EU: Not approved Canada: In re-evaluation
<b>TRICHLORFON</b>	1B	Rutherglen bug Fruit flies (cover and bait spray)	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> EU: Not approved Canada: Cancelled
<b>TRIMETHYLAMINE HYDROCHLORIDE</b>	--	Mediterranean Fruit Fly	Australia: No current concerns Permit PER96797 Expiry date: 30/04/2031 EU: Not approved

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**FUNGICIDES – Disease Control**

*Blue text = new APVMA approved uses*

Active Constituent	MoA Group	Pest	Risks and Comments
COPPER	M1	Bitter rot	Australia: No current concerns.
DIPHENYLAMINE	--	Scald	Australia: No current concerns.
FLUDIOXONIL	12	Blue mould	Australia: No current concerns. Codex MRL: 5 mg/Kg EU: Approved, candidate for substitution
IODINE	M	Bactericide	Australia: No current concerns. Canada: Cancelled
IPRODIONE	2	Blue and green mould	Australia: No current concerns. EU: Not approved USA: Under Registration Review (scheduled)
MANCOZEB	M3	Bitter rot	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved USA: Under Registration Review (scheduled)
PENTHIOPYRAD	7	Black spot	Australia: No current concerns. Codex MRL: 0.4 mg/Kg EU: Not approved
SULPHUR	M2	Black spot	Australia: No current concerns. Canada: In re-evaluation
ZINEB	M3	Bitter rot	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved Canada: Cancelled

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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
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
FLUMIOXAZIN	14	Australia: No current concerns. Codex MRL: 0.02 mg/Kg Canada: In re-evaluation
GLUFOSINATE-AMMONIUM	10	Australia: <a href="#">Nominated for targeted spray drift reconsideration</a> EU: Not approved Canada: In re-evaluation
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.
NONANOIC ACID	--	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

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R3	Long-term: Potential issues associated with use – Monitoring required < 5 years
R4	No current risk/concerns

SAFLUFENACIL	14	Australia: No current concerns. Codex MRL: 0.01 mg/Kg EU: Not approved
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## FUMIGANTS

Blue text = new APVMA approved uses

Active Constituent	Use	Risks and Comments
<b>1,3-DICHLOROPROPENE</b>	Control of soil borne diseases, plant parasitic Nematodes, Symphylans and Wireworms	Australia: No current concerns. EU: Pending Canada: Cancelled
<b>CHLOROPICRIN</b>	Control of soil borne diseases, plant parasitic Nematodes, Symphylans and Wireworms	Australia: No current concerns. EU: Not approved USA: Restricted use
<b>CHLOROPICRIN + 1,3-DICHLOROPROPENE</b>	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
<b>ETHANEDINITRILE</b>	Soil borne pathogens, nematodes and weeds	Australia: No current concerns.
<b>METHAM PRESENT AS SODIUM SALT</b>	Germinating weeds and soil-borne fungus diseases	Australia: No current concerns.
<b>METHYL BROMIDE</b>	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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R4	No current risk/concerns

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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