

## **Pear**

# **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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 pears 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

## Pear - Agrichemical Regulatory Risk Assessment

### INSECTICIDES/MITICIDES/NEMATOCIDES - 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.
(S)-METHOPRENE	7A	PER90213 for the control of Red Imported Fire Ant	Australia: No current concerns. Permit PER90213 Expiry date: 30/06/2027
(Z)-8-DODECEN-1-YL ACETATE	--	Oriental fruit moth	Australia: No current concerns
1-DODECANOL	--	Codling moth	Australia: No current concerns
4-(P-ACETOXYPHENYL)-2-BUTANONE + MALATHION	1B + --	Male Queensland fruit fly	Australia: No current concerns
ABAMECTIN	6	European red mite Two-spotted mite	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	European red mite Oriental fruit moth Codling moth Helicoverpa species Light brown apple moth	ABAMECTIN 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)  CHLORANTRANILIPROLE Australia: No current concerns. Codex MRL: 0.4 mg/Kg Canada: In re-evaluation
ACEQUINOCYL	20B	Two-spotted mite	Australia: No current concerns.

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

## Pear - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
ACETAMIPRID + NOVALURON	4A + 15	Codling moth Light brown apple moth Longtailed mealybug Woolly apple aphid San Jose scale Tuber mealybug	ACETAMIPRID Australia: APVMA: <a href="#">Currently under review</a> . Proposed regulatory decisions expected between December 2025 to October 2026. Codex MRL: 0.8 mg/Kg Canada: In re-evaluation USA: Under Registration Review (scheduled)  NOVALURON Australia: No current concerns. Codex MRL: 3 mg/Kg EU: Not approved Canada: In re-evaluation
ALPHA-CYPERMETHRIN	3A	Apple weevil Garden weevil	Australia: <a href="#">APVMA nominated for reconsideration after 2029</a> . EU: Not approved
<i>Bacillus thuringiensis</i>	11A	Armyworm Caterpillars Helicoverpa species Light brown apple moth Loopers Painted vine moth Vine moths	Australia: No current concerns. USA: Under Registration Review (scheduled)
BIFENAZATE	20D	Bryobia mite European red mite Two-spotted mite	Australia: No current concerns. Codex MRL: 0.7 mg/Kg Canada: In re-evaluation
BIFENTHRIN	3A	Caterpillars Longtailed mealybug Two-spotted mite	Australia: <a href="#">APVMA nominated for reconsideration after 2029</a> . EU: Not approved Canada: Cancelled
BUPROFEZIN	16	Longtailed mealybug	Australia: No current concerns. Codex MRL: 6 mg/Kg

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

## Pear - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
CARBARYL	1A	Codling moth Helicoverpa species Light brown apple moth Pear and cherry slug Pear leaf blister mite Wingless grasshoppers	Australia: No current concerns. EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
CARPOPHILUS AGGREGATION PHEROMONES	--	Carpophilus beetles	Australia: No current concerns
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	--	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 USA: Agricultural uses cancelled. Very few registrations as Restricted Use Pesticide.
CLOFENTEZINE	10A	Bryobia mite European red mite Two-spotted mites	Australia: No current concerns. Codex MRL: 0.5 mg/Kg EU: Not approved
CLOTHIANIDIN	4A	Codling moth Fruit flies Longtailed mealybug Tuber mealybug	Australia: APVMA: <a href="#">Currently under review</a> . Proposed regulatory decisions expected between December2025 to October2026. Codex MRL: 0.4 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)

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

## Pear - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
CYCLANILIPROLE	28	Codling moth Apple looper Light brown apple moth	Australia: No current concerns. Codex MRL: 0.2 mg/Kg EU: Not approved
CYDIA POMONELLA GRANULOSIS VIRUS	31	Codling moth Oriental fruit moth	Australia: No current concerns.
CYFLUMETOFEN	25A	Bryobia mite European red mite Two-spotted mites	Australia: No current concerns. Codex MRL: 0.4 mg/Kg
DIAZINON	1B	--	Australia: <a href="#">APVMA made a Final Decision on 2024</a> . After 10 September 2025, crop uses are no longer approved. Codex: All MRLs deleted EU: Not approved Canada: Cancelled USA: Under Registration Review (scheduled)
DIMETHOATE	1B	PER13859 for the control of fruit fly	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2029</a> . Permit PER13859 Expiry date: 31/05/2030 EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
E,E-9,11-TETRADECADIEN-1- YL ACETATE   E-11- TETRADECEN-1-YL ACETATE	--	Light brown apple moth	Australia: No current concerns.
ETOXAZOLE	10B	Bryobia mite European red mite Two-spotted mites	Australia: No current concerns. Codex MRL: 0.07 mg/Kg EU: Approved, candidate for substitution.

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

## Pear - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
FENBUTATIN OXIDE	12B	Bryobia mite European red mite Two-spotted mites	Australia: <a href="#">APVMA nominated for reconsideration after 2029</a> . Codex MRL: 5 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
FENOXYCARB	7B	Codling moth Light brown apple moth San Jose scale	Australia: No current concerns. EU: Not approved UK: Withdrawn (2024).
FENPYROXIMATE	21A	European red mite Two-spotted mites	Australia: No current concerns. Codex MRL: 0.2 mg/Kg
FIPRONIL	2B	Ants Fruit fly trap toxicant	Australia: APVMA: <a href="#">Currently under review</a> . Proposed Regulatory decision expected by April 2026. EU: Not approved USA: Under Registration Review (scheduled)
FLONICAMID	29	Longtailed mealybug	Australia: No current concerns. Codex MRL: 0.8 mg/Kg
HEXYTHIAZOX	10A	European red mite Two-spotted mite	Australia: No current concerns. Codex MRL: 0.4 mg/Kg
INDOXACARB	22A	Apple weevil Codling moth Curculio beetle Fuller's rose weevil Garden weevil Helicoverpa species Light brown apple moth Wingless grasshoppers	Australia: No current concerns. Codex MRL: 0.2 mg/Kg EU: Not approved UK: Withdrawn (2024).

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

## Pear - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
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 Codex MRL: 0.2 mg/Kg EU: Approved, candidate for substitution.
MALATHION	1B	Apple leafhopper Caterpillars Codling moth European red mite Locust Scale insects Spider mites Thrips Wingless grasshoppers Woolly apple aphid Fruit flies (lures)	Australia: The final regulatory decision was published in an <a href="#">APVMA Special Gazette on 2 May 2024</a> . 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	Light brown apple moth	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2026</a> . Codex MRL: 0.3 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
METHOXYFENOZIDE	18	Light brown apple moth Loopers	Australia: No current concerns. Codex MRL: 2 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation
MILBEMECTIN	6	European red mite Two-spotted mites	Australia: No current concerns. UK: Withdrawn (2024).
NUCLEAR POLYHEDROSIS VIRUS OF HELICOVERPA ARMIGERA	--	Helicoverpa species	Australia: No current concerns.

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

## Pear - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
OMETHOATE	1B	European red mite Two-spotted mites Woolly aphid	Australia: No current concerns. EU: Not approved
PARAFFINIC OIL	UNM	Spider mites Two-spotted mites Bryobia mite European red mite Frosted scale Oyster shell scale Pear leaf blister mite San Jose scale Scale insects Pear rust mites Two spotted spider mite Brown mite, pear rust mite Pear leaf blister mite European red mite	Australia: No current concerns.
PROPARGITE	12C	Two-spotted mites	Australia: <a href="#">APVMA reconsideration. Prioritised to be commenced by 2029.</a> EU: Not approved Canada: Cancelled USA: Under Registration Review (scheduled)
PROTHIOFOS	1B	Longtailed mealybug Mealybugs	Australia: No current concerns. EU: Not approved
PYRETHRINS	3A	Aphids Apple leafhopper Caterpillars Thrips	Australia: No current concerns.
PYRIDABEN	21A	Two-spotted mites	Australia: No current concerns.



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

## Pear - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
PYRIPROXYFEN	7C	PER87728 for the control of Red imported fire ants	Australia: No current concerns. Permit PER87728 Expiry date: 28/02/2026
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)  PER93389 for the control of Queensland fruit fly	Australia: No current concerns. Permit PER12590 Expiry date: 31/05/2029 Permit PER93389 Expiry date: 30/11/2025 Codex MRL: 0.05 mg/Kg EU: Not approved UK: Withdrawn (2024). Canada: In re-evaluation
SPINOSAD	5	Helicoverpa species Light brown apple moth Loopers Western flower thrips Pear and cherry slug  PER93740 for the control of Mediterranean and Queensland fruit fly (unregistered product)  PER89870 for the control of Fall Armyworm	Australia: No current concerns. Permit PER93740 Expiry date: 30/11/2025 Permit PER89870 Expiry date: 31/10/2030 Canada: In re-evaluation
SPIROMESIFEN	23	Two-spotted mite	Australia: No current concerns. EU: Not approved Canada: In re-evaluation

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

## Pear - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
SPIROTETRAMAT	23	Longtailed mealybug San Jose scale Tuber mealybug Woolly apple aphid	Australia: No current concerns. Codex MRL: 0.7 mg/Kg EU: Not approved Canada: In re-evaluation
SULFOXAFLOX	4C	Apple dimpling bug (yellow mirid) Longtailed mealybug San Jose scale Tuber mealybug Woolly apple aphid	Australia: No current concerns. Codex MRL: 0.3 mg/Kg
SULFUR	UN	European red mite Mites Pear leaf blister mite	Australia: No current concerns.
TEBUFENOZIDE	18	Colding moth Light brown apple moth Loopers	Australia: No current concerns. Codex MRL: 1 mg/Kg
TEBUFENPYRAD	21A	European red mite Two-spotted mites	Australia: No current concerns. EU: Approved, candidate for substitution.
TETRANILIPROLE	28	Apple weevil Fuller's rose weevil Garden weevil	Australia: No current concerns. Codex MRL: 0.4 mg/Kg
THIACLOPRID	4A	Codling moth Oriental fruit moth Woolly apple aphid  PER14562 for the control of Mediterranean Fruit Fly	Australia: APVMA: <a href="#">Currently under review</a> . Proposed regulatory decisions expected between December 2025 to October 2026. Permit PER14562 Expiry date: 31/05/2027 Codex MRL: 0.7 mg/Kg EU: Not approved Canada: In re-evaluation

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

## Pear - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
TRICHLORFON	1B	Rutherglen bug Fruit flies	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> EU: Not approved Canada: Cancelled USA: Under Registration Review (scheduled)

### FUNGICIDES – Disease Control

Active Constituent	MoA Group	Pest	Risks and Comments
BOSCALID + PYRACLOSTROBIN	7 + 11	Black spot	BOSCALID Australia: No current concerns. Codex MRL: 2 mg/Kg Canada: In re-evaluation  PYRACLOSTROBIN Australia: No current concerns. Codex MRL: 0.7 mg/Kg Canada: In re-evaluation
CAPTAN	M4	Black spot	Australia: No current concerns. Codex MRL: 15 mg/Kg
COPPER	M1	Bitter rot Black spot Fly speck Ripe fruit rot / spot Sooty blotch  PER94006 for the control of Diplodia & pink disease	Australia: No current concerns. Permit PER94006 Expiry date: 31/08/2029

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

## Pear - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
CYPRODINIL	9	Black spot	Australia: No current concerns. Codex MRL: 2 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation
DIFENOCONAZOLE	3	Black spot Powdery mildew	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Codex MRL: 4 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation
DIPHENYLAMINE		Superficial scald	Australia: No current concerns. Codex MRL: 5 mg/Kg EU: Not approved Canada: In re-evaluation
DITHIANON	M9	Black spot	Australia: No current concerns. Codex MRL: 1 mg/Kg
DODINE	U12	Black spot	Australia: No current concerns. Codex MRL: 5 mg/Kg Canada: In re-evaluation
FLUDIOXONIL	12	Blue mould Grey mould	Australia: No current concerns. Codex MRL: 5 mg/Kg EU: Approved, candidate for substitution.
FLUOPYRAM + TRIFLOXYSTROBIN	7 + 11	Black spot	FLUOPYRAM Australia: No current concerns. Codex MRL: 0.5 mg/Kg  TRIFLOXYSTROBIN Australia: No current concerns. Codex MRL: 0.7 mg/Kg Canada: In re-evaluation

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

## Pear - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
FLUXAPYROXAD	7	Black spot	Australia: No current concerns. Codex MRL: 0.9 mg/Kg
HEXACONAZOLE	3	Scab (Venturia pirina)	Australia: No current concerns. EU: Not approved Canada: Cancelled
IMAZALIL	3	Blue mould	Australia: No current concerns.
IODINE	M	Bactericide / fungicide	Australia: No current concerns. Canada: Cancelled
IPRODIONE	2	Blue and green moulds Blue mould Botrytis blight Ripe fruit rot / spot Storage rot	Australia: No current concerns. EU: Not approved USA: Under Registration Review (scheduled)
ISOPYRAZAM	7	Black spot	Australia: No current concerns. Codex MRL: 0.4 mg/Kg EU: Not approved
KRESOXIM-METHYL	11	Black spot	Australia: No current concerns. Codex MRL: 0.15 mg/Kg
MANCOZEB	M3	Bitter rot Black spot Fly speck Powdery mildew Ripe fruit rot / spot Sooty blotch Target spot (early blight)	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved UK: Withdrawn (2024). USA: Under Registration Review (scheduled)
METIRAM	M3	Bitter rot Black spot Sooty blotch	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved Canada: Only approved for foliar applications in potato crops.

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

## Pear - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
MYCLOBUTANIL	3	Black spot	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Codex MRL: 0.6 mg/Kg EU: Not approved UK: Withdrawn (2024). Canada: In re-evaluation
PARAFFINIC OIL	--	Powdery mildew	Australia: No current concerns.
PENCONAZOLE	3	Black spot	Australia: No current concerns. Codex MRL: 0.1 mg/Kg
PENTHIOPYRAD	7	Black spot Powdery mildew	Australia: No current concerns. Codex MRL: 0.4 mg/Kg
PROQUINAZID	13	Powdery mildew	Australia: No current concerns.
PYRIMETHANIL	9	Blue mould Grey mould Ripe fruit rot / spot	Australia: No current concerns. Codex MRL: 15 mg/Kg Canada: In re-evaluation
SULPHUR	M2	Black spot Powdery mildew	Australia: No current concerns. Canada: In re-evaluation
THIABENDAZOLE	1	Blue mould Grey mould Ripe fruit rot / spot	Australia: No current concerns. Codex MRL: 3 mg/Kg
THIRAM	M3	Black spot	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved Canada: Only approved for seed treatment.
TRIFLOXYSTROBIN	11	Black spot Powdery mildew	Australia: No current concerns. Codex MRL: 0.7 mg/Kg Canada: In re-evaluation

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

## Pear - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
ZINEB	M3	Bitter rot Black spot Sooty blotch	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved Canada: Cancelled
ZIRAM	M3	Black spot	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Approved, candidate for substitution. UK: Withdrawn (2024). Canada: Cancelled

### HERBICIDES – Weed Control

Active Constituent	MoA Group	Risks and Comments
2,2-DPA PRESENT AS THE SODIUM SALT	0	Australia: No current concerns. EU: Not approved
AMITROLE + AMMONIUM THIOCYANATE	34 + --	AMITROLE Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Codex MRL: 0.05 mg/Kg Canada: Cancelled  AMMONIUM THIOCYANATE Australia: No current concerns.
CARFENTRAZONE-ETHYL	14	Australia: No current concerns. Canada: In re-evaluation
CLETHODIM	1	Australia: No current concerns.
DICHLORBENIL	29	Australia: No current concerns. EU: Not approved Canada: In re-evaluation

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

## Pear - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Risks and Comments
DIQUAT	22	Australia: APVMA: <a href="#">Currently under review</a> . Publication of the final regulatory decision is <b>now expected in Mid 2026</b> . Codex MRL: 0.02 mg/Kg EU: Not approved USA: No agricultural uses allowed. Aquatic herbicide.
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	10	Australia: <a href="#">APVMA Nominated for targeted spray drift reconsideration</a> Codex MRL: 0.1 mg/Kg EU: Not approved Canada: In re-evaluation
GLYPHOSATE	9	Australia: <a href="#">APVMA 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.
NORFLURAZON	12	Australia: No current concerns. EU: Not approved
ORYZALIN	3	Australia: No current concerns. EU: Not approved UK: Withdrawn (2024).



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

## Pear - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Risks and Comments
OXYFLUORFEN	14	Australia: No current concerns. EU: Approved, candidate for substitution. UK: Withdrawn (2024). 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 <b>now expected in Mid 2026</b> . Candidate chemical recommended to be listed to Rotterdam Convention. Codex MRL: 0.01 mg/Kg EU: Not approved Canada: Cancelled USA: Restricted use
SAFLUFENACIL	14	Australia: No current concerns. Codex MRL: 0.01 mg/Kg EU: Not approved
SIMAZINE	5	Australia: <a href="#">APVMA nominated for reconsideration after 2029</a> . EU: Not approved
TRIFLURALIN	3	Australia: No current concerns. EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)

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

## Pear - Agrichemical Regulatory Risk Assessment

### FUMIGANTS – Mixed Function

Active Constituent	Use	Risks and Comments
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
DAZOMET	Control of bacterial spot (Xanthomonas spp.) (suppression only). Soil insects and nematodes	Australia: No current concerns. USA: Under Registration Review (scheduled)
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.

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

## Pear - Agrichemical Regulatory Risk Assessment

**PLANT REGULATORS AND OTHERS** – Plant regulators, post-harvest treatments, rodenticides and others.

Active Constituent	Use	Risks and Comments
1-METHYLCYCLOPROPENE	Improves quality after shipping, storage and handling,	Australia: No current concerns
6-BENZYLADENINE + GIBBERELLINS	Fruit set improvement	Australia: No current concerns
METAMITRON	Fruit thinning	Australia: No current concerns.
NAPHTHALENE ACETIC ACID	Prevention of pre-harvest drop	Australia: No current concerns
ZINC PHOSPHIDE	PER93053 for the control of Rats & mice	Australia: No current concerns. Permit PER93053 Expiry date: 30/11/2025 UK: Withdrawn (2024). Canada: In re-evaluation USA: Under Registration Review (scheduled)

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

## Pear - Agrichemical Regulatory Risk Assessment

**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.

### Disclaimer

Horticulture Innovation Australia Limited (Hort Innovation) makes no representations and expressly disclaims all warranties (to the extent permitted by law) about the accuracy, completeness, or currency of information in MT24008 – Regulatory Support & Response Co-ordination. Reliance on any information provided by Hort Innovation is entirely at your own risk. Hort Innovation is not responsible for, and will not be liable for, any loss, damage, claim, expense, cost (including legal costs) or other liability arising in any way, including from any Hort Innovation or other person's negligence or otherwise from your use or non-use of MT24008 – Regulatory Support & Response Co-ordination, or from reliance on information contained in the material or that Hort Innovation provides to you by any other means.

### Legal notice

Copyright © Horticulture Innovation Australia Limited 2025

Copyright subsists in Ag-Chemical Update. Horticulture Innovation Australia Limited (Hort Innovation) owns the copyright, other than as permitted under the Copyright ACT 1968 (Cth). The Ag-Chemical Update (in part or as a whole) cannot be reproduced, published, communicated or adapted without the prior written consent of Hort Innovation. Any request or enquiry to use the Ag-Chemical Update should be addressed to: 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