

## **Parsley**

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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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

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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
AFIDOPYROPEN	9D	Cabbage aphid Cotton aphid Currant lettuce aphid Green peach aphid Silverleaf (Poinsettia) whitefly	Australia: No current concerns. Codex MRL: 5 mg/Kg EU: Not approved
ALPHA-CYPERMETHRIN	3A	PER89977 for the control of Plague Thrip, Rutherglen Bug	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Permit PER89977 Expiry date: 30/06/2029 EU: Not approved
<i>Bacillus thuringiensis</i>	11A	Armyworm Cotton bollworm Native budworm Cabbage moth Diamondback (Cabbage) moth Cabbage white butterfly Loopers Vine moth Helicoverpa Lightbrown apple moth  PER14694 for the control of Fungus Gnats	Australia: No current concerns. Permit PER14694 Expiry date: 31/03/2029 USA: Under Registration Review (scheduled)

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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. Expired PER14583 Expiry date: 31/07/2025 EU: Not approved Canada: Cancelled USA: Agricultural uses cancelled. Very few registrations as Restricted Use Pesticide.
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)
FLUBENDIAMIDE	28	Cluster caterpillar Diamondback (Cabbage) moth <i>Helicoverpa</i>	Australia: No current concerns. EU: Not approved UK: Withdrawn (2024).
INDOXACARB	22A	Fire ants (Qld only)	Australia: No current concerns. EU: Not approved UK: Withdrawn (2024).
ISOCYCLOSERAM	30	PER94854 for the control of Serpentine leaf miner	Australia: No current concerns. Permit PER94854 Expiry date: 30/09/2028
LAMBDA-CYHALOTHRIN	3A	PER80975 for the control of: Red Legged Earth Mite Rutherglen Bug Grey Cluster Bug Looper Plague Thrips	Australia: No current concerns. Permit PER80975 Expiry date: 31/05/2030 EU: Approved, candidate for substitution.

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METHOMYL	1A	PER82428 for the control of: Helicoverpa Cucumber moth Cluster caterpillar Loopers Webworm Rutherglen bug Thrips including WFT	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2026.</a> Permit PER82428 Expiry date: 31/01/2029 EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
PYRIPROXYFEN	7C	Ants	Australia: No current concerns.
SPINETORAM	5	Diamondback (Cabbage) moth Helicoverpa Lightbrown apple moth Looper caterpillars  PER94451 for the control of Leaf miners	Australia: No current concerns. Permit PER94451 Expiry date: 31/07/2027 EU: Not approved UK: Withdrawn (2024). Canada: In re-evaluation
SPINOSAD	5	Loopers Heliothis Light brown apple moth Potato moth  Permit PER89870 for the control of Fall Armyworm  Permit PER94331 for the control of leaf miners.	Australia: No current concerns. Permit PER88640 Expiry date: 28/02/2026 Permit PER94331 Expiry date: 30/04/2026 Canada: In re-evaluation
SPIROTETRAMAT	23	Green peach aphid Cotton aphid Western flower thrips  Permit PER88640 for the control of <i>Liriomyza</i> leafminers	Australia: No current concerns. Permit PER88640 Expiry date: 28/02/2026 EU: Not approved Canada: In re-evaluation

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### FUNGICIDES – Disease Control

Active Constituent	MoA Group	Pest	Risks and Comments
CHLOROTHALONIL	M5	PER82895 for the control of: Downy Mildew Botrytis Alternaria Cercospora	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2028.</a> Permit PER82895 Expiry date: 31/05/2030 EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
COPPER	M1	Bacterial blight, Bacterial spot, Downy mildew and leaf spot Rust	Australia: No current concerns. Permit PER92834 Expiry date: 31/01/2026
CYAZOFAMID	21	Permit PER89216 for the control of Phytophthora soil fungus	Australia: No current concerns. Permit PER89216 Expiry date: 31/05/2030 Canada: In re-evaluation
CYPRODINIL	9	Cercospora, Rust, Powdery Mildew and Septoria	Australia: No current concerns. Codex MRL: 40 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation
CYPRODINIL   FLUDIOXONIL	9 + 12	Permit PER93872 for the control of Botrytis leaf blight	CYPRODINIL Australia: No current concerns. Codex MRL: 40 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation  FLUDIOXONIL Australia: No current concerns. Codex MRL: 9 mg/Kg EU: Approved, candidate for substitution.

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DIFENOCONAZOLE	3	Permit PER87973 for the control of Alternaria leaf blight and Ceroaspora leaf spot.	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Permit PER87973 Expiry date: 30/06/2030 EU: Approved, candidate for substitution. Canada: In re-evaluation
DIMETHOMORPH	40	Permit PER14958 for the control of Downy Mildew and Alternaria Leaf Spots.	Australia: No current concerns. Permit PER14958 Expiry date: 31/10/2027 EU: Not approved Canada: In re-evaluation
FLUDIOXONIL	12	Cercospora, Rust, Powdery Mildew and Septoria	Australia: No current concerns. Codex MRL: 9 mg/Kg EU: Approved, candidate for substitution.
IODINE	M	Post Harvest Sanitiser	Australia: No current concerns. Canada: Cancelled
IPRODIONE	2	Permit PER81589 for the control of Sclerotinia Rot and Grey mould.	Australia: No current concerns. Permit PER81589 Expiry date: 30/06/2026 EU: Not approved USA: Under Registration Review (scheduled)
MANCOZEB	M3	Permit PER14958 for the control of Downy Mildew and Alternaria Leaf Spots.  Permit PER80538 for the control of Anthracnose and Septoria	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> Permit PER14958 Expiry date: 31/10/2027 + Permit PER80538 Expiry date: 31/05/2030 EU: Not approved UK: Withdrawn (2024). USA: Under Registration Review (scheduled)
METALAXYL-M	4	PER83797 for the control of pythium & phytophthora	Australia: No current concerns. Permit PER83797 Expiry date: 31/12/2029
PHOSPHOROUS (PHOSPHONIC) ACID	P07 (33)	Permit PER13698 for the control of Downy Mildew and Damping Off	Australia: No current concerns. Permit PER13698 Expiry date: 31/07/2030

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PROPICONAZOLE	3	Permit PER80977 for the control of Cercospora, Rust, Powdery Mildew and Septoria	Australia: <a href="#">APVMA nominated for reconsideration and spray drift assessment</a> . Permit PER80977 Expiry date: 31/01/2026 EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)

### HERBICIDES – Weed Control

Active Constituent	MoA Group	Risks and Comments
CLETHODIM	1	Australia: No current concerns. Permit PER93116 Expiry date: 30/06/2026
CHLORTHAL DIMETHYL	3	Australia: <a href="#">APVMA cancelled all products containing chlorthal dimethyl</a> in October 2024. The use of chlorthal dimethyl as an agricultural chemical product is now illegal. EU: Not approved Canada: Cancelled USA: US EPA cancelled all products (Oct. 2024)
DIQUAT	22	Australia: APVMA: <a href="#">Currently under review</a> . Publication of the final regulatory decision is expected in Mid 2026. EU: Not approved USA: No agricultural uses allowed. Aquatic herbicide.
FLUAZIFOP-P PRESENT AS THE BUTYL ESTER	1	Australia: <a href="#">APVMA Nominated for targeted spray drift reconsideration</a> Permit PER81244 Expiry date: 30/04/2027 Canada: Cancelled
PARAQUAT	22	Australia: APVMA: <a href="#">Currently under review</a> . Publication of the final regulatory decision is expected in December 2025. Candidate chemical recommended to be listed to Rotterdam Convention. EU: Not approved Canada: Cancelled USA: Restricted use

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S-METOLACHLOR	15	Australia: No current concerns. EU: Not approved
TRIFLURALIN	3	Australia: No current concerns. EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)

### 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.



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