

Parsley

Agrichemical Regulatory Risk Assessment

June 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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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** in Australia as well as assisting with any current initiatives aimed at identifying and addressing pest management deficiencies.

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R1	Short-term risk: Critical concern over retaining access < 1 year
R2	Medium-term risk: Maintaining access of significant concern <2-5 years
R3	Long-term risk: Potential issues associated with use – Monitoring required < 5 years
R4	No current risk / concerns

Blue text = new APVMA approved uses

INSECTICIDES/MITICIDES/NEMATOCIDES - Insect and other Pests Control

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 UK: No registrations Canada: No current review USA: Approved
ALPHA-CYPERMETHRIN	3A	Plague Thrip, Rutherglen Bug	Australia: APVMA nominated for reconsideration after 2029 Permit PER89977 Expiry date: 30/06/2029 EU: Not approved Canada: No current review
<i>Bacillus thuringiensis</i>	11A	Armyworm Diamondback (Cabbage) moth Helicoverpa Lightbrown apple moth Looper caterpillars Permit PER14694 for the control of Fungus Gnats.	Australia: No current concerns. Permit PER14694 Expiry date: 31/03/2029 USA: Review upcoming

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Active Constituent	MoA Group	Pest	Risks and Comments
CHLORPYRIFOS	1B	Permit PER14583 for the control of Vegetable Weevil	Australia: The APVMA issued a Final Decision in September 2024. Most uses were cancelled. Products with previously approved labels must not be possessed or used after September 30, 2025. Permit PER14583 Expiry date: 31/07/2025 Codex: All MRLs deleted EU: Not approved Canada: All uses cancelled 2023 USA: Upcoming review
DIAZINON	1B	Permit PER82551 for the control of Onion maggot	Australia: APVMA made a Final Decision on 10 September 2024 . Agricultural uses were not supported during the review. Approved use on all vegetables ceases 10 September 2025. Permit PER82551 Expiry date: 30/11/2025 (Consider Final Decision on 10 September 2024). Codex: All MRLs deleted EU: Not approved Canada: No current review USA: Review upcoming
FLUBENDIAMIDE	28	Cluster caterpillar Diamondback (Cabbage) moth Helicoverpa	Australia: No current concerns. EU: Not approved UK: Withdrawn. Expiry date: 30/11/2024 Canada: No current review USA: No registrations
INDOXACARB	22A	Fire ants (Qld only)	Australia: No current concerns. EU: Not approved UK: Withdrawn. Expiry date: 31/08/2024 Canada: No registrations.
ISOCYCLOSERAM	30	Permit PER94854Serpentine leaf miner	Australia: No current concerns. Permit PER94854 Expiry date: 31/08/2025 Canada: No current review

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Active Constituent	MoA Group	Pest	Risks and Comments
LAMBDA-CYHALOTHRIN	3A	Red Legged Earth Mite (RLEM), Rutherglen Bug (RGB), Grey Cluster Bug (GCB), Looper, Plague Thrips	Australia: No current concerns. Permit PER80975 Expiry date: 31/05/2030 EU: Approved, candidate for substitution. UK: Approved Canada: No current review
METHOMYL	1A	Helicoverpa spp. Cucumber moth Cluster caterpillar Loopers Webworm Rutherglen bug Thrips including WFT	Australia: APVMA reconsideration. Prioritised to be commenced by 2026. Permit PER82428 Expiry date: 31/01/2029 EU: Not approved Canada: In review USA: Review upcoming
PYRIPROXYFEN	7C	Ants	Australia: No current concerns. EU: Approved UK: Approved Canada: No current review
SPINETORAM	5	Diamondback (Cabbage) moth Helicoverpa Lightbrown apple moth Looper caterpillars Permit PER94451 for the control of Leaf miners	Australia: No current concerns. Permit PER94451 Expiry date: 31/07/2027 EU: Not approved UK: Withdrawn. Expiry date: 30/09/2024 Canada: In review
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: Reviewed in 2014. No current concerns. Permit PER89870 Expiry date: 31/07/2025 Permit PER94331 Expiry date: 30/04/2026 EU: Approved UK: Approved Canada: In review

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SPIROTETRAMAT	23	Green peach aphid Cotton aphid Western flower thrips Permit PER88640 for the control of Liriomyza leafminers	Australia: No current concerns. Permit PER88640 Expiry date: 28/02/2026 EU: Not approved UK: Approved Canada: In review

FUNGICIDES – Disease Control

Active Constituent	MoA Group	Pest	Risks and Comments
CHLOROTHALONIL	M5	DOWNY MILDEW, BOTRYTIS, ALTERNARIA, CERCOSPORA	Australia: APVMA reconsideration. Prioritised to be commenced by 2028. Permit PER82895 Expiry date: 31/05/2030 EU: Not approved Canada: In review USA: Review upcoming
COPPER	M1	Bacterial blight, Bacterial spot, Downy mildew & Leaf spot Rust	Australia: No current concerns. Permit PER92834 Expiry date: 31/01/2026 EU: Approved, candidate for substitution. Canada: No current review
CYAZOFAMID	21	Permit PER89216 for the control of Phytophthora soil fungus	Australia: No current concerns. Permit PER89216 Expiry date: 31/05/2030 EU: Approved UK: Approved Canada: In review

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Active Constituent	MoA Group	Pest	Risks and Comments
CYPRODINIL FLUDIOXONIL	9 + 12	Permit PER93872 for the control of Botrytis leaf blight	<p>Permit PER93872 Expiry date: 31/05/2027</p> <p>CYPRODINIL Australia: No current concerns. Codex MRL: 40 mg/Kg EU: Approved, candidate for substitution. UK: Approved Canada: In review</p> <p>FLUDIOXONIL Australia: No current concerns. Codex MRL: 9 mg/Kg EU: Approved, candidate for substitution. UK: Approved Canada: No current review</p>
DIFENOCONAZOLE	3	Permit PER87973 for the control of Alternaria leaf blight and Cercospora leaf spot.	<p>Australia: APVMA nominated for reconsideration after 2029 Permit PER87973 Expiry date: 31/08/2025 EU: Approved, candidate for substitution. UK: Approved Canada: In review</p>
DIMETHOMORPH	40	Permit PER14958 for the control of Downy Mildew and Alternaria Leaf Spots.	<p>Australia: No current concerns. Permit PER14958 Expiry date: 31/10/2027 EU: Not approved UK: Approved Canada: No current review</p>
IODINE	M	POST HARVEST SANITISER	<p>Australia: No current concerns.</p>

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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 Canada: Most of the food crop uses deleted USA: Review upcoming
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. Prioritised to be commenced by 2027. Permit PER14958 Expiry date: 31/10/2027 and Permit PER80538 Expiry date: 31/05/2030 EU: Not approved UK: Withdrawn. Expiry date: 31/05/2024 Canada: Most of uses cancelled USA: Review upcoming
METALAXYL-M	4	Permit PER13698 for the control of Pythium & Phytophthora	Australia: No current concerns. Permit PER83797 Expiry date: 31/12/2029 EU: Approved UK: Approved
PHOSPHOROUS (PHOSPHONIC) ACID	P07 (33)	Permit PER13698 for the control of Downy Mildew and Damping Off	Australia: No current concerns. Permit PER13698 Expiry date: 30/09/2025
PROPICONAZOLE	3	Permit PER80977 for the control of Cercospora, Rust, Powdery Mildew and Septoria	Australia: APVMA nominated for reconsideration and spray drift assessment. Permit PER80977 Expiry date: 31/01/2026 EU: Not approved Canada: In review USA: Review upcoming

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HERBICIDES – Weed Control

Active constituent	MoA Group	Risks and Comments
CLETHODIM	1	Australia: No current concerns. Permit PER93116 Expiry date: 30/06/2026 EU: Approved, UK: Approved Canada: No current review
CHLORTHAL DIMETHYL	3	Australia: APVMA cancelled all products containing chlorthal dimethyl in October 2024. The use of chlorthal dimethyl as an agricultural chemical product is now illegal. Permit PER14032 is Surrendered. EU: Not approved.
DIQUAT	22	Australia: APVMA: Currently under review. APVMA proposed decisions July 2024 Only uses up to 283gai/ha to be kept. Herbs proposed to be deleted. Publication of the final regulatory decision is expected in December 2025 EU: Not approved (withdrawn in 2018). UK: Not approved.
FLUAZIFOP-P PRESENT AS THE BUTYL ESTER	1	Australia: APVMA nominated for reconsideration and for targeted spray drift reconsideration. Some products containing fluazifop-p have been approved for use in Parsley. Permit PER81244 Expiry date: 30/04/2027 EU: Approved Canada: No current review
S-METOLACHLOR	15	Australia: No current concerns. EU: Not approved UK: Approved
PARAQUAT	22	Australia: APVMA: Currently under review. APVMA proposed decisions July 2024 Only uses up to 231gai/ha to be kept. No use on herbs proposed. Publication of the final regulatory decision is expected in December 2025 . EU: Not approved (withdrawn in 2018). UK: Not approved.

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TRIFLURALIN	3	Australia: No current concerns. EU: Not approved Canada: No current review USA: Review upcoming
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