

Leek

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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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

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| 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/NEMATICIDES - Insect and other pests

Blue text = new APVMA approved uses

| Active Constituent | MoA Group | Pest | Risks and Comments |
|------------------------------------|-----------|---|---|
| ABAMECTIN | 6 | PER96481 for the control of Leaf miner | Australia: APVMA nominated for reconsideration and spray drift assessment. Permit PER96481 Expiry date: 31/07/2028 Canada: Re-evaluation finalised. Label amendments to mitigate risks to human health and environment (July, 2025) |
| ALPHA-CYPERMETHRIN | 3A | Permit PER14457 for the control of Redlegged earth mite and Onion thrips | Australia: APVMA nominated for reconsideration after 2029. Permit PER14457 Expiry date: 31/03/2029 EU: Not approved |
| BACILLUS THURINGIENSIS | 11A | Light brown apple moth | Australia: No current concerns. |
| CHLOROPICRIN 1,3-DICHLOROPROPENE | 8B + 8A | Plant parasitic nematodes | CHLOROPICRIN Australia: No current concerns. EU: Not approved 1,3-DICHLOROPROPENE Australia: No current concerns. EU: Pending Canada: Cancelled |
| CYANTRANILIPROLE | 28 | Onion thrips Permit PER93849 for the control of Liriomyza leafminers | Australia: No current concerns. Permit PER93849 Expiry date: 31/12/2026 |
| DIAZINON | 1B | n/a | 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 |
| FLONICAMID | 29 | Suppression only of: Onion Thrips (Thrips tabaci) Western Flower Thrips (Frankliniella occidentalis) | Australia: No current concerns. Permit PER89185 Expiry date: 31/05/2027 |
| IRON EDTA COMPLEX | -- | Common brown(brown) snail White snail Vine snail | Australia: No current concerns |

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| ISOCYCLOSERAM | 30 | Suppression of: Onion Thrips (Thrips tabaci), Plague Thrips (Thrips imaginis) Permit PER94854 for the control of Serpentine leaf miner | Australia: No current concerns. Permit PER94854 Expiry date: 30/09/2028 |
| MALATHION | 1B | Permit PER13653 for the control of Onion thrips | 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. Permit PER13653 Expiry date: 30/09/2029 Canada: In re-evaluation |
| METALDEHYDE | -- | For the control of snails and slugs | Australia: No current concerns Canada: In re-evaluation |
| PETROLEUM OIL | UN | Permit PER1221 for the control of Aphids Green mirid Green vegetable bug Grey cluster bug Leafhoppers Mites Rutherglen bug Thrips | Australia: No current concerns. Permit PER12221 Expiry date: 30/09/2027 EU: Not approved |
| PIRIMICARB | 1A | Aphids | Australia: No current concerns. EU: Approved, candidate for substitution Canada: Cancelled |
| POTASSIUM SALTS OF FATTY ACIDS | -- | Aphids Thrips | Australia: No current concerns. Canada: In re-evaluation |
| PROPARGITE | 12C | Two-spotted mite | Australia: APVMA reconsideration. Prioritised to be commenced by 2029. EU: Not approved Canada: Cancelled |
| SPINETORAM | 5 | Western flower thrips | Australia: No current concerns. |
| SPIROTETRAMAT | 23 | Onion thrips Plague thrips Western flower thrips | Australia: No current concerns. EU: Not approved Canada: In re-evaluation |
| TRICHLORFON | 1B | Green vegetable bug Rutherglen bug | Australia: APVMA nominated for reconsideration after 2029. EU: Not approved Canada: Cancelled |

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FUNGICIDES – Disease Control

Blue text = new APVMA approved uses

| Active Constituent | MoA Group | Pest | Risks and Comments |
|----------------------------------|-----------|-------------------------------|--|
| AZOXYSTROBIN | 11 | Downy mildew White rot | Australia: No current concerns. Codex MRL: 10 mg/Kg UK: Withdrawn (2029). Canada: In re-evaluation |
| AZOXYSTROBIN OXATHIPIPROLIN | 11 + 49 | Downy mildew White rot | AZOXYSTROBIN Australia: No current concerns. Codex MRL: 10 mg/Kg UK: Withdrawn (2029). Canada: In re-evaluation OXATHIPIPROLIN Australia: No current concerns. Codex MRL: 2 mg/Kg |
| CHLOROTHALONIL | M5 | Purple blotch | Australia: APVMA reconsideration. Prioritised to be commenced by 2028. Codex MRL: 40 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled) |
| COPPER | M1 | Downy mildew Purple blotch | Australia: No current concerns. |
| DIMETHOMORPH AMETOCTRADIN | 40 + 45 | Downy mildew | DIMETHOMORPH Australia: No current concerns. Codex MRL: 0.8 mg/Kg EU: Not approved Canada: In re-evaluation AMETOCTRADIN Australia: No current concerns UK: Withdrawn (2031). |

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| DIMETHOMORPH MANCOZEB | 40 + M3 | Permit PER14473 for the control of Downy Mildew, Purple Blotch & Botrytis rots | <p>DIMETHOMORPH Australia: No current concerns. Codex MRL: 0.8 mg/Kg EU: Not approved Canada: In re-evaluation</p> <p>MANCOZEB Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved USA: Under Registration Review (scheduled)</p> |
| FLUOPYRAM TEBUCONAZOLE | 3 + 7 | White rot (Sclerotium cepivorum) - Suppression only | <p>FLUOPYRAM Australia: No current concerns. Codex MRL: 0.15 mg/Kg</p> <p>TEBUCONAZOLE Australia: APVMA: Removed from nomination list - maintain watching brief Codex MRL: 0.7 mg/Kg EU: Approved, candidate for substitution Canada: In re-evaluation USA: Under Registration Review (scheduled)</p> |
| HYDROGEN PEROXIDE PEROXYACETIC ACID | M | Neck & Bulb Rot (Botrytis spp), Downy Mildew (Peronospora spp) | <p>HYDROGEN PEROXIDE Australia: No current concerns.</p> <p>PEROXYACETIC ACID Australia: No current concerns.</p> |
| MANCOZEB OXATHIPIPROLIN | M3 + 49 | Downy mildew (Peronospora destructor) | <p>MANCOZEB Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved USA: Under Registration Review (scheduled)</p> <p>OXATHIPIPROLIN Australia: No current concerns. Codex MRL: 2 mg/Kg</p> |
| OXATHIPIPROLIN | 49 | Downy mildew (Peronospora destructor) | Australia: No current concerns. Codex MRL: 2 mg/Kg |

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| PHOSPHOROUS (PHOSPHONIC) ACID | P07 (33) | Permit PER13698 for the suppression only of Downy mildew (Peronospora spp.) | Australia: No current concerns. Permit PER13698 Expiry date: 31/07/2030 |
| PROPAMOCARB HYDROCHLORIDE FLUOPICOLIDE | 43 | Downy mildew (Peronospora destructor) | PROPAMOCARB HYDROCHLORIDE Australia: No current concerns. FLUOPICOLIDE Australia: No current concerns EU: Approved, candidate for substitution |
| TRIADIMENOL | 3 | Permit PER14906 for the control of White Rot (Sclerotium) | Australia: APVMA nominated for reconsideration after 2029. Permit PER14906 Expiry date: 31/07/2029 EU: Not approved Canada: Cancelled |

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HERBICIDES - Weed Control

Blue text = new APVMA approved uses

| Active Constituent | MoA Group | Risks and Comments |
|--|-----------|--|
| CLETHODIM | 1 | Australia: No current concerns. Permit PER82459 Expiry date: 30/09/2026 |
| CYANAZINE | 5 | Australia: APVMA nominated for reconsideration after 2029. EU: Not approved Canada: Cancelled |
| DIQUAT | 22 | Australia: APVMA: Currently under review. Publication of the final regulatory decision is expected in Mid 2026. EU: Not approved |
| ETHOFUMESATE | 15 | Australia: No current concerns. Canada: In re-evaluation |
| FLUAZIFOP-P PRESENT AS THE BUTYL ESTER | 1 | Australia: Nominated for targeted spray drift reconsideration Canada: Cancelled |
| IOXYNIL | 5 | Australia: No current concerns. EU: Not approved |
| LINURON | 5 | Australia: No current concerns. EU: Not approved |
| METHABENZTHIAZURON | 5 | 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: Currently under review. Publication of the final regulatory decision is expected in Mid 2026. Candidate chemical recommended to be listed to Rotterdam Convention. EU: Not approved Canada: Cancelled USA: Restricted use |

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| PENDIMETHALIN | 3 | Australia: No current concerns. Codex MRL: 0.3 mg/Kg EU: Approved, candidate for substitution Canada: In re-evaluation USA: Under Registration Review (scheduled) |
| PROPACHLOR | 15 | Australia: No current concerns. EU: Not approved |
| SIMAZINE | 5 | Australia: APVMA nominated for reconsideration after 2029. EU: Not approved |

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FUMIGANTS

Blue text = new APVMA approved uses

| 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. |

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