

## **Citrus**

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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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

## Citrus - 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  |
|--|-----------|---|---|
| 4-(P-ACETOXYPHENYL)-2-BUTANONE   FIPRONIL  | -- + 2B   | Queensland fruit fly<br>Lesser Queensland fruit fly   | 4-(P-ACETOXYPHENYL)-2-BUTANONE<br>Australia: No current concerns<br><br>FIPRONIL<br>Australia: APVMA: <a href="#">Currently under review</a> . Proposed Regulatory decision expected by April 2026.<br>EU: Not approved<br>USA: Under Registration Review (scheduled)   |
| 4-(P-ACETOXYPHENYL)-2-BUTANONE + MALATHION | -- + 1B   | Queensland fruit fly  | 4-(P-ACETOXYPHENYL)-2-BUTANONE<br>Australia: No current concerns<br><br>MALATHION<br>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.<br>Codex MRL (Citrus group): 7 mg/Kg<br>UK: Withdrawn (2025).<br>Canada: In re-evaluation<br>USA: Under Registration Review (scheduled) |
| ABAMECTIN                                  | 6         | Broad mite<br>Brown citrus rust mite<br>Citrus rust (maori) mite<br>Queensland fly (bait spray – spot treatment or strip spray) | Australia: <a href="#">APVMA nominated for reconsideration and spray drift assessment</a> .<br>Codex MRL (Citrus group): 0.02 mg/Kg<br>Canada: Re-evaluation finalised. Label amendments to mitigate risks to human health and environment (July, 2025)   |

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| Active Constituent            | MoA Group | Pest  | Risks and Comments  |
|-------------------------------|-----------|---|---|
| ACETAMIPRID                   | 4A        | Black (brown olive) scale   | Australia: APVMA: <a href="#">Currently under review</a> . Proposed regulatory decisions expected between December 2025 to October 2026.<br>Codex MRL (Citrus group): 1 mg/Kg<br>Canada: In re-evaluation<br>USA: Under Registration Review (scheduled)   |
| ACETAMIPRID  <br>PYRIPROXYFEN | 4A + 7C   | Citrophilus mealybug<br>Citrus leafminer<br>Citrus mealybug<br>Cottony citrus scale<br>Fruit-spotting bugs<br>Kelly's citrus thrips<br>Light brown apple moth<br>Longtailed mealybug<br>Mayely bugs<br>Nigra scale<br>Pink wax scale<br>Pulvinaria scale / red scale<br>Soft brown scale<br>Fruit fly (cover spray) | ACETAMIPRID<br>Australia: APVMA: <a href="#">Currently under review</a> . Proposed regulatory decisions expected between December 2025 to October 2026.<br>Codex MRL (Citrus group): 1 mg/Kg<br>Canada: In re-evaluation<br>USA: Under Registration Review (scheduled)<br><br>PYRIPROXYFEN<br>Australia: No current concerns.<br>Permit PER87728 Expiry date: 28/02/2026<br>Codex MRL (Citrus group): 0.5 mg/Kg |
| AMITRAZ                       | 19        | Citrus red mites  | Australia: No current concerns.<br>EU: Not approved   |
| <i>Bacillus thuringiensis</i> | 11A       | Armyworm<br>Cotton bollworm<br>Native budworm<br>Cabbage moth<br>Cabbage white butterfly<br>Loopers<br>Lightbrown apple moth<br>Vine moth   | Australia: No current concerns.<br>USA: Under Registration Review (scheduled)   |

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| BIFENTHRIN         | 3A        | Citrus leaf eating weevil   | Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a><br>Codex MRL (Citrus group): 0.05 mg/Kg<br>EU: Not approved<br>Canada: Cancelled   |
| BUPROFEZIN         | 16        | Jassids<br>Mealy bugs<br>Red scale<br>White louse scale   | Australia: No current concerns.<br>Codex MRL (Citrus group): 1 mg/Kg  |
| CADUSAFOS          | 1B        | Citrus nematode<br>Stubby root nematode   | Australia: No current concerns.   |
| CARBARYL           | 1A        | Bronze orange bug<br>Citrus butterflies (larvae)<br>Citrus leaf eating weevil<br>Fruit piercing moth<br>Fuller's rose weevil<br>Light brown apple moth<br>Orange fruit borer<br>Pink wax scale<br>Spined citrus bug<br>White wax scale<br>Yellow peach moth | Australia: No current concerns.<br>Codex MRL (Citrus group): 15 mg/Kg<br>EU: Not approved<br>Canada: In re-evaluation<br>USA: Under Registration Review (scheduled)   |
| 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.<br>EU: Not approved<br>Canada: Cancelled<br>USA: Agricultural uses cancelled. Very few registrations as Restricted Use Pesticide. |

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| CLOTHIANIDIN              | 4A        | Citrus gall wasp<br>Citrus leafminer<br>Fuller's rose weevil<br>Red scale   | Australia: APVMA: <a href="#">Currently under review</a> . Proposed regulatory decisions expected between December 2025 to October 2026.<br>Codex MRL (Citrus group): 0.07 mg/Kg<br>EU: Not approved<br>Canada: In re-evaluation<br>USA: Under Registration Review (scheduled)  |
| CYANTRANILIPROLE          | 28        | Fuller's rose weevil<br>Kelly's citrus thrips<br>Light brown apple moth   | Australia: No current concerns.<br>Codex MRL (Citrus group): 0.7 mg/Kg  |
| CYFLUMETOFEN              | 25A       | Citrus red mite<br>Oriental spider mite<br>Two-spotted mite   | Australia: No current concerns.<br>Codex MRL (Citrus group): 0.3 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<br>EU: Not approved<br>Canada: Cancelled<br>USA: Under Registration Review (scheduled)                                      |
| DIMETHOATE                | 1B        | Spined Citrus Bug<br>Citrus Leaf Miner<br>Grasshoppers<br><br>PER13859 and PER87164 for the control of fruit fly (Specified citrus) | Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2029</a> .<br>Permit PER13859 Expiry date: 31/05/2030<br>Permit PER87164 Expiry date: 30/09/2028<br><br>EU: Not approved<br>Canada: In re-evaluation<br>USA: Under Registration Review (scheduled) |
| E-11-TETRADECENYL ACETATE | --        | Light brown apple moth  | Australia: No current concerns.   |

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| ETOXAZOLE          | 10B       | Bean thrips (exotic – post-harvest)<br>Fuller's rose weevil (post-harvest)<br>Mealy bugs (post-harvest)<br>Red scale (post-harvest)<br>Light brown apple moth (post-harvest)<br>Oriental spider mite | Australia: No current concerns.<br>Codex MRL (Citrus group): 0.1 mg/Kg<br>EU: Approved, candidate for substitution.   |
| FENBUTATIN OXIDE   | 12B       | Oriental spider mite   | Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a><br>Codex MRL (Citrus group): 5 mg/Kg<br>EU: Not approved<br>Canada: In re-evaluation<br>USA: Under Registration Review (scheduled)               |
| FIPRONIL           | 2B        | Brown citrus rust mite<br>Citrus bud mite<br>Citrus rust (maori) mite<br><br>PER94007 for the control of Giant termite   | Australia: APVMA: <a href="#">Currently under review.</a> Proposed Regulatory decision expected by April 2026.<br>Permit PER94007 Expiry date: 30/11/2026<br>EU: Not approved<br>USA: Under Registration Review (scheduled) |
| IPRODIONE          | --        | PER14772 for the control of Emperor brown spot (mandarins)   | Australia: No current concerns.<br>Permit PER14772 Expiry date: 30/04/2026<br>EU: Not approved<br>USA: Under Registration Review (scheduled)  |
| ISOCYCLOSERAM      | 30        | Aphids<br>Citrus gall wasp<br>Citrus leafminer<br>Pink wax scale<br>Red scale<br>White wax scale   | Australia: No current concerns.   |
| KAOLIN CLAY        | --        | Fuller's rose weevil<br>Kelly's citrus thrips<br>Light brown apple moth  | Australia: No current concerns  |

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| LAMBDA-CYHALOTHRIN | 3A        | Citrus gall wasp<br><br>PER12961 for the control of Mediterranean Fruit Fly & Queensland Fruit Fly   | Australia: No current concerns.<br>Permit PER12961 Expiry date: 31/03/2030<br>EU: Approved, candidate for substitution.  |
| MALATHION          | 1B        | Rutherglen bug<br>Thrips<br>Bronze orange bug<br>Citrus aphid<br>Citrus butterfly<br>Spiny lemon bug<br>Tree hoppers<br>California red scale<br>Purple Scale<br>Soft brown scale<br>Pink wax scale   | 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.<br>Codex MRL (Citrus group): 7 mg/Kg<br>UK: Withdrawn (2025).<br>Canada: In re-evaluation<br>USA: Under Registration Review (scheduled) |
| MANCOZEB           | UN        | Aphids<br>Bronze orange bug<br>Citrus butterflies (larvae)<br>Pink wax scale<br>Purple (mussel scale)<br>Red scale<br>Rutherglen bug<br>Soft brown scale<br>Spined citrus bug<br>Thrips<br>Treehoppers<br>Fruit fly (cover and bait spray) | Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027</a> .<br>EU: Not approved<br>UK: Withdrawn (2024).<br>USA: Under Registration Review (scheduled)   |

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| METHOMYL           | 1A        | Brown citrus rust mite<br>Citrus bud mite<br>Citrus rust (maori) mite<br>Bronze orange bug<br>Large citrus butterfly<br>Light brown apple moth<br>Mealy bugs<br>Small citrus butterfly<br>Spined citrus bug | Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2026.</a><br>Codex MRL (Citrus group): 1 mg/Kg<br>EU: Not approved<br>Canada: In re-evaluation<br>USA: Under Registration Review (scheduled) |
| METHOXYFENOZIDE    | 18        | Light brown apple moth  | Australia: No current concerns.<br>Codex MRL (Citrus group): 2 mg/Kg<br>EU: Approved, candidate for substitution.<br>Canada: In re-evaluation   |
| OMETHOATE          | 1B        | Aphids  | Australia: No current concerns.<br>EU: Not approved   |
| ORANGE OIL         | --        | Whitefly<br>Two spotted mite<br>Rust mites<br>Oriental spider mite<br>Scale<br>Mealybug<br>Suppression: Onion thrips and Western flower thrips  | Australia: No current concerns.   |
| PARAFFIN OIL       | --        | Black (brown olive) scale   | Australia: No current concerns.   |
| PERMETHRIN         | 3A        | Citrus leafminer  | Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a><br>Codex MRL (Citrus group): 0.5 mg/Kg<br>EU: Not approved   |



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|--------------------|-----------|--|--|
| PIRIMICARB         | 1A        | Aphids   | Australia: No current concerns.<br>Codex MRL (Citrus group): 3 mg/Kg<br>EU: Approved, candidate for substitution.<br>Canada: Cancelled |
| PROPINEB           | Fungicide | Citrus rust mite (specific miticide effect)  | Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a><br>EU: Not approved                             |
| PYRETHRINS         | 3A        | Ants   | Australia: No current concerns.<br>Codex MRL (Citrus group): 0.05 mg/Kg  |
| PYRIPROXYFEN       | 7C        | Red Scale<br>Black Scale<br><br>PER87728 for the control of Red imported fire ants | Australia: No current concerns.<br>Permit PER87728 Expiry date: 28/02/2026<br>Codex MRL (Citrus group): 0.5 mg/Kg                      |
| RESCALURE          | --        | California Red Scale   | Australia: No current concerns.  |
| SPINETORAM         | 5         | Citrus leafminer   | Australia: No current concerns.<br>EU: Not approved<br>UK: Withdrawn (2024).<br>Canada: In re-evaluation                               |
| SPINOSAD           | 5         | Citrus leafminer   | Australia: No current concerns.<br>Codex MRL (Citrus group): 0.3 mg/Kg<br>Canada: In re-evaluation                                     |
| SPIROTETRAMAT      | 23        | Kelly's citrus thrips  | Australia: No current concerns.<br>Codex MRL (Citrus group): 0.5 mg/Kg<br>EU: Not approved<br>Canada: In re-evaluation                 |
| SULFOXAFLOX        | 4C        | Citricola scale  | Australia: No current concerns.  |
| SULFUR             | UN        | Brown citrus rust mite   | Australia: No current concerns.  |

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| TEBUFENOZIDE       | 18        | Light brown apple moth                            | Australia: No current concerns.<br>Codex MRL (Citrus group): 2 mg/Kg  |
| THIAMETHOXAM       | 4A        | Kelly's citrus thrips                             | Australia: APVMA: <a href="#">Currently under review</a> . Proposed regulatory decisions expected between December 2025 to October 2026.<br>Codex MRL (Citrus group): 0.5 mg/Kg<br>EU: Not approved<br>Canada: In re-evaluation<br>USA: Under Registration Review (scheduled) |
| ZINEB              | Fungicide | Brown citrus rust mite (specific miticide effect) | Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027</a> .<br>EU: Not approved<br>Canada: Cancelled  |

### FUNGICIDES – Disease Control

| Active Constituent | MoA Group | Pest   | Risks and Comments   |
|--------------------|-----------|--|--|
| AZOXYSTROBIN       | 11        | Black spot<br>Brown pot/ rot                               | Australia: No current concerns.<br>Codex MRL: 15 mg/Kg<br>Canada: In re-evaluation |
| CAPTAN             | M4        | PER82043 for the control of Emperor brown spot (mandarins) | Australia: No current concerns.<br>Permit PER82043 Expiry date: 31/07/2027         |

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|--------------------------------|-----------|--|---|
| COPPER                         | M1        | Black spot<br>Citrus canker<br>Emperor brown spot<br>Melanose<br>Phytophthora<br>Pink disease<br>Scab<br>Septoria spot<br>Sooty blotch | Australia: No current concerns.   |
| FLUDIOXONIL                    | 12        | Blude mould<br>Diplodia fruit rot<br>Green mould<br>Stem-end rot   | Australia: No current concerns.<br>Codex MRL: 10 mg/Kg<br>EU: Approved, candidate for substitution.   |
| FLUDIOXONIL +<br>PROPICONAZOLE | 12 + 3    | Blue mould<br>Green mould<br>Sour rot  | FLUDIOXONIL<br>Australia: No current concerns.<br>Codex MRL: 10 mg/Kg<br>EU: Approved, candidate for substitution.<br><br>PROPICONAZOLE<br>Australia: <a href="#">APVMA nominated for reconsideration and spray drift assessment.</a><br>EU: Not approved<br>Canada: In re-evaluation<br>USA: Under Registration Review (scheduled) |
| FLUOPYRAM +<br>TEBUCONAZOLE    | 7 + 3     | Black spot<br>Botrytis<br>Brown spot (Alternaria)  | FLUOPYRAM<br>Australia: No current concerns.<br><br>TEBUCONAZOLE<br>Australia: APVMA: Removed from nomination list - maintain watching brief<br>EU: Approved, candidate for substitution.<br>Canada: In re-evaluation<br>USA: Under Registration Review (scheduled)   |

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| GUAZATINE ACETATES            | M7        | Sour rot<br>Blue mould<br>Green mould                      | Australia: No current concerns.<br>EU: Not approved   |
| IMAZALIL                      | 3         | Blue mould<br>Green mould                                  | Australia: No current concerns.<br>Codex MRL: 15 mg/Kg  |
| IMAZALIL + PYRIMETHANIL       | 3 + 9     | Green mould  | IMAZALIL<br>Australia: No current concerns.<br>Codex MRL: 15 mg/Kg<br><br>PYRIMETHANIL<br>Australia: No current concerns.<br>Codex MRL: 7 mg/Kg<br>Canada: In re-evaluation       |
| IODINE                        | M         | Citrus canker, fungi                                       | Australia: No current concerns.<br>Canada: Cancelled  |
| IPRODIONE                     | 2         | PER14772 for the control of Emperor brown spot (mandarins) | Australia: No current concerns.<br>Permit PER14772 Expiry date: 30/04/2026<br>EU: Not approved<br>USA: Under Registration Review (scheduled)                                      |
| MANCOZEB                      | M3        | Black spot   | Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a><br>EU: Not approved<br>UK: Withdrawn (2024).<br>USA: Under Registration Review (scheduled) |
| PHOSPHOROUS (PHOSPHONIC) ACID | P07 (33)  | Brown rot / collar rot / root rot                          | Australia: No current concerns.   |
| PROPINEB                      | M3        | Black spot   | Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a><br>EU: Not approved  |

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| PYRIMETHANIL              | 9         | Blue mould<br>Green mould  | Australia: No current concerns.<br>Codex MRL: 7 mg/Kg<br>Canada: In re-evaluation  |
| SULPHUR                   | M2        | Melanose<br>Sooty blotch   | Australia: No current concerns.<br>Canada: In re-evaluation  |
| THIABENDAZOLE             | 1         | Blue mould<br>Green mould<br>Stem-end rot  | Australia: No current concerns.<br>Codex MRL: 7 mg/Kg  |
| THIRAM  <br>THIABENDAZOLE | M3 + 1    | PER95699 for the control of Albinism in Citrus rootstock seed for all citrus varieties | Permit PER95699 Expiry date: 31/05/2030<br><br>THIRAM<br>Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a><br>EU: Not approved<br>Canada: Only approved for seed treatment.<br><br>THIABENDAZOLE<br>Australia: No current concerns.<br>Codex MRL: 7 mg/Kg |
| ZINEB                     | M3        | Black spot<br>Scab   | Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a><br>EU: Not approved<br>Canada: Cancelled  |

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### HERBICIDES – Weed Control

| Active Constituent                 | MoA Group | Risks and Comments  |
|------------------------------------|-----------|---|
| 2,2-DPA PRESENT AS THE SODIUM SALT | 0         | Australia: No current concerns.<br>EU: Not approved   |
| AMITROLE                           | 34        | Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a><br>Canada: Cancelled   |
| AMMONIUM THIOCYANATE   AMITROLE    | 34        | AMMONIUM THIOCYANATE<br>Australia: No current concerns<br><br>AMITROLE<br>Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a><br>Canada: Cancelled   |
| BROMACIL                           | 5         | Australia: No current concerns.<br>EU: Not approved   |
| CARFENTRAZONE-ETHYL                | 14        | Australia: No current concerns.<br>Canada: In re-evaluation   |
| CLETHODIM                          | 1         | Australia: No current concerns.   |
| DICHLORBENIL                       | 29        | Australia: No current concerns.<br>EU: Not approved<br>Canada: In re-evaluation   |
| DIQUAT                             | 22        | Australia: APVMA: <a href="#">Currently under review.</a> Publication of the final regulatory decision is now expected in Mid 2026.<br>Codex MRL: 0.02 mg/Kg<br>EU: Not approved<br>USA: No agricultural uses allowed. Aquatic herbicide. |
| FLAZASULFURON                      | 2         | Australia: No current concerns.   |
| FLUAZIFOP-P                        | 1         | Australia: No current concerns  |

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|----------------------|-----------|---|
| FLUMIOXAZIN          | 14        | Australia: No current concerns.<br>Canada: In re-evaluation   |
| GLUFOSINATE-AMMONIUM | 10        | Australia: <a href="#">APVMA Nominated for targeted spray drift reconsideration</a><br>Codex MRL: 0.05 mg/Kg<br>EU: Not approved<br>Canada: In re-evaluation  |
| GLYPHOSATE           | 9         | Australia: <a href="#">APVMA Nominated for targeted spray drift reconsideration</a><br>USA: Under Registration Review (scheduled)   |
| HALOXYFOP            | 1         | Australia: No current concerns.<br>Codex MRL: 0.02 mg/Kg<br>EU: Not approved  |
| INDAZIFLAM           | 29        | Australia: No current concerns.<br>EU: Not approved   |
| NONANOIC ACID        | --        | Australia: No current concerns.   |
| NORFLURAZON          | 12        | Australia: No current concerns.<br>EU: Not approved   |
| ORYZALIN             | 3         | Australia: No current concerns.<br>EU: Not approved<br>UK: Withdrawn (2024).  |
| PARAQUAT             | 22        | Australia: APVMA: <a href="#">Currently under review</a> . Publication of the final regulatory decision is <b>now expected in Mid 2026</b> .<br>Candidate chemical recommended to be listed to Rotterdam Convention.<br>Codex MRL: 0.02 mg/Kg<br>EU: Not approved<br>Canada: Cancelled<br>USA: Restricted use |

|    |   |
|----|---|
| 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  |

## Citrus - Agrichemical Regulatory Risk Assessment

| Active Constituent | MoA Group | Risks and Comments  |
|--------------------|-----------|---|
| PENDIMETHALIN      | 3         | Australia: No current concerns.<br>Codex MRL: 0.03 mg/Kg<br>EU: Approved, candidate for substitution.<br>Canada: In re-evaluation<br>USA: Under Registration Review (scheduled) |
| SAFLUFENACIL       | 14        | Australia: No current concerns.<br>Codex MRL: 0.01 mg/Kg<br>EU: Not approved  |
| SIMAZINE           | 5         | Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a><br>EU: Not approved  |
| TRIFLURALIN        | 3         | Australia: No current concerns.<br>EU: Not approved<br>Canada: In re-evaluation<br>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  |

## Citrus - 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            | <p>CHLOROPICRIN<br/>Australia: No current concerns.<br/>EU: Not approved<br/>USA: Restricted use</p> <p>1,3-DICHLOROPROPENE<br/>Australia: No current concerns.<br/>EU: Pending<br/>Canada: Cancelled</p> |
| DAZOMET                            | Control of bacterial spot (Xanthomonas spp.) (suppression only).<br>Soil insects and nematodes | <p>Australia: No current concerns.<br/>USA: Under Registration Review (scheduled)</p>   |
| 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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| 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  |

## Citrus - Agrichemical Regulatory Risk Assessment

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

| Active Constituent                       | Use  | Risks and Comments  |
|--|--|---|
| 2,4-D                                    | Reduction of pre-harvest drop and for the control of colouring.  | Australia: No current concerns.<br>Codex MRL: 1 mg/Kg<br>Canada: In re-evaluation<br>USA: Under Registration Review (scheduled)   |
| ETHEPHON                                 | Thinning to increase fruit size, to reduce size of heavy crop and to even out the production cycle.                          | Australia: No current concerns  |
| ETHYL FORMATE                            | Postharvest fumigant to control:<br>Light Brown Apple Moth<br>Fullers<br>Rose Weevil<br>Californian red scale<br>Bean thrips | Australia: No current concerns.<br>EU: Not approved   |
| GIBBERELIC ACID                          | Promote desirable harvest effects.   | Australia: No current concerns<br>Canada: In re-evaluation  |
| PEROXYACETIC ACID  <br>HYDROGEN PEROXIDE | Control of bacterial growth in the process water for post-harvest processing   | Australia: No current concerns.   |
| PROPICONAZOLE                            | PER96286 for the control of Post harvest diseases: blue mould, green mould and sour rot                                      | Australia: <a href="#">APVMA nominated for reconsideration and spray drift assessment.</a><br>Permit PER96286 Expiry date: 31/07/2027<br>EU: Not approved<br>Canada: In re-evaluation<br>USA: Under Registration Review (scheduled) |
| ZINC PHOSPHIDE                           | PER93053 for the control of Rats & mice  | Australia: No current concerns.<br>Permit PER93053 Expiry date: 30/11/2025<br>UK: Withdrawn (2024).<br>Canada: In re-evaluation<br>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  |

## Citrus - Agrichemical Regulatory Risk Assessment

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