

# Spring Onion

## 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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 Spring Onion 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
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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	Two spotted mite PER96481 for the control of Leaf miner Leaf miners	Australia: <a href="#">APVMA nominated for reconsideration and spray drift assessment.</a> Permit PER96481 Expiry date: 31/07/2028 Canada: Re-evaluation finalised. Label amendments to mitigate risks to human health and environment (July, 2025)
AFIDOPYROPEN	9D	Green peach aphid Cabbage aphid Currant lettuce aphid Cotton aphid/Melon aphid Corn aphid	Australia: No current concerns. EU: Not approved
ALPHA-CYPERMETHRIN	3A	Permit PER14457 for the control of onion thrips and red-legged earth mite	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Permit PER14457 Expiry date: 31/03/2029 EU: Not approved
BACILLUS THURINGIENSIS	11A	Armyworm Cotton bollworm Native budworm	Australia: No current concerns.
CANOLA OIL   PYRETHRINS	3A	Aphids, thrips, caterpillars, butterfly & cabbage moth), whitefly, ants, flies, earwigs, leafhopper, two-spotted mite, scale, mealybug, sooty mould	<b>CANOLA OIL</b> Australia: No current concerns. <b>PYRETHRINS</b> Australia: No current concerns.
CHLORANTRANILIPROLE   THIAMETHOXAM	28 + 4A	Onion Thrips	<b>CHLORANTRANILIPROLE</b> Australia: No current concerns. Canada: In re-evaluation <b>THIAMETHOXAM</b> Australia: APVMA: Neonicotinoids chemical review has been delayed. The proposed regulatory decision unlikely before 2027. EU: Not approved Canada: In re-evaluation

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CHLOROPICRIN	8B	Insects	Australia: No current concerns. EU: Not approved
CYANTRANILIPROLE	28	Onion Thrips PER93849 for the control of Liriomyza leafminers	Australia: No current concerns. Permit PER93849 Expiry date: 31/12/2026 Codex MRL: 8 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
DIMETHOATE	1B	Aphids, Jassids, Mites, Leaf Hoppers, Green Vegetable Bug, Thrips, Wingless Grasshoppers	Australia: APVMA: Prioritised to be commenced by 2029. <a href="#">Prioritised to be commenced by 2029</a> . EU: Not approved Canada: In re-evaluation
EMULSIFIABLE BOTANICAL OIL		Greenhouse whitefly	Australia: No current concerns.
FIPRONIL	2B	European Wasp	Australia: APVMA: Proposed Regulatory decision was expected by April 2026. APVMA is now advising the by end of 2026 at the earliest. Permit PER89402 Expiry date: 30/04/2027
FLONICAMID	29	Permit PER89185 for the control of onion thrips and western flower thrips	Australia: No current concerns. Permit PER89185 Expiry date: 31/05/2027
GARLIC EXTRACT		Parasitic nematodes living freely in the soil	Australia: No current concerns.
GARLIC EXTRACT   GARLIC OIL		Aphid, Cabbage white butterfly, Caterpillar, Common slug, Thrip	<b>GARLIC EXTRACT</b> Australia: No current concerns. <b>GARLIC OIL</b> Australia: No current concerns
IRON EDTA COMPLEX	--	Snails and slugs	Australia: No current concerns
ISOCYCLOSERAM	30	Onion Thrips Plague Thrips	Australia: No current concerns.
LAMBDA-CYHALOTHRIN	3A	PER14471 for the control of Redlegged Earth Mite, Loopers, Rutherglen bug, Onion Maggot, Onion Thrips, Plague Thrips	Australia: No current concerns. Permit PER14471 Expiry date: 31/03/2029 EU: Approved, candidate for substitution

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MALATHION	1B	Onion Thrip Permit PER13653 for the control of onion thrips	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. Permit PER13653 Expiry date: 30/09/2029 Codex MRL: 5 mg/Kg Canada: In re-evaluation
METALDEHYDE	--	Snails and slugs	Australia: No current concerns
METHOMYL	1A	PER14890 for the control of Western Flower Thrips PER82428 for the control of: Helicoverpa spp. Cucumber moth Cluster caterpillar Loopers Webworm Rutherglen bug Thrips including Western Flower Thrip	Australia: APVMA reconsideration. Was to start 2026. APVMA to publish a new Chemical Review priority list by mid 2026. Permit PER14890 Expiry date: 31/07/2029 + Permit PER82428 Expiry date: 31/01/2029 EU: Not approved Canada: In re-evaluation
PETROLEUM OIL	UN	Permit PER12221 for the control of Aphids, Green mirid, Green vegetable bug, Leafhoppers, Mites, Rutherglen bugs and Thrips	Australia: No current concerns. Permit PER12221 Expiry date: 30/09/2027 EU: Not approved
PHORATE	1B	PER8930 for the control of Aphids, jassids, mites, thrips and onion maggot	Australia: APVMA reconsideration. Was to start 2026. APVMA to publish a new Chemical Review priority list by mid 2026. Permit PER8930 Expiry date: 31/08/2029 EU: Not approved Canada: In re-evaluation
PIPERONYL BUTOXIDE   CHILLI   GARLIC EXTRACT   PYRETHRINS	3A	Thrip	<b>PIPERONYL BUTOXIDE</b> Australia: No current concerns. <b>CHILLI</b> Australia: No current concerns. <b>GARLIC EXTRACT</b> Australia: No current concerns. <b>PYRETHRINS</b> Australia: No current concerns.

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PIPERONYL BUTOXIDE   PYRETHRINS	3A	Thrip	<p><b>PIPERONYL BUTOXIDE</b> Australia: No current concerns.</p> <p><b>PYRETHRINS</b> Australia: No current concerns.</p>
PIRIMICARB	1A	Aphids	<p>Australia: No current concerns.</p> <p>EU: Approved, candidate for substitution</p> <p>Canada: Cancelled</p>
POTASSIUM SALTS OF FATTY ACIDS	--	Aphids Thrips Mealybug Two-spotted mite Spider mite Whitefly	<p>Australia: No current concerns.</p> <p>Canada: In re-evaluation</p>
PYRIPROXYFEN	7C	Ant species	Australia: No current concerns.
SPINETORAM	5	Western flower thrips Onion thrips	<p>Australia: No current concerns.</p> <p>Codex MRL: 0.8 mg/Kg</p> <p>EU: Not approved</p> <p>Canada: In re-evaluation</p>
SPIROTETRAMAT	23	Western flower thrips Onion thrips	<p>Australia: No current concerns.</p> <p>EU: Not approved</p> <p>Canada: In re-evaluation</p>
TRICHLORFON	1B	Cabbage White Butterfly Cabbage Moth Green Vegetable Bug	<p>Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a></p> <p>EU: Not approved</p> <p>Canada: Cancelled</p>

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### FUNGICIDES – Disease Control

Blue text = new APVMA approved uses

Active Constituent	MoA Group	Pest	Risks and Comments
AZOXYSTROBIN	11	White rot	Australia: No current concerns. Codex MRL: 10 mg/Kg UK: Withdrawn (2029). Canada: In re-evaluation
AZOXYSTROBIN   OXATHIPIPROLIN	11 + 49	Downy mildew	<b>AZOXYSTROBIN</b> Australia: No current concerns. Codex MRL: 10 mg/Kg UK: Withdrawn (2029). Canada: In re-evaluation <b>OXATHIPIPROLIN</b> Australia: No current concerns. Codex MRL: 2 mg/Kg
BOSCALID	7	Neck rot	Australia: No current concerns. Codex MRL: 5 mg/Kg Canada: In re-evaluation
CHLOROTHALONIL	M5	Downy mildew Permit PER82895 for the control of Downy mildew and Grey mould	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2028.</a> Codex MRL: 10 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled) Permit PER82895 Expiry date: 31/05/2030
COPPER	M1	Permit PER14842 for the control of Downy mildew	Australia: No current concerns. Permit PER14842 Expiry date: 31/05/2029
DIMETHOMORPH	40	Downy mildew	Australia: No current concerns. Codex MRL: 9 mg/Kg EU: Not approved Canada: In re-evaluation

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DIMETHOMORPH   AMETOCTRADIN	40 + 45	Downy mildew	<p><b>DIMETHOMORPH</b> Australia: No current concerns. Codex MRL: 9 mg/Kg EU: Not approved Canada: In re-evaluation</p> <p><b>AMETOCTRADIN</b> Australia: No current concerns Codex MRL: 20 mg/Kg UK: Withdrawn (2031).</p>
DIMETHOMORPH   MANCOZEB	40 + M3	Permit PER14473 for the control of Downy mildew & Purple blotch	<p><b>DIMETHOMORPH</b> Australia: No current concerns. Codex MRL: 9 mg/Kg EU: Not approved Canada: In re-evaluation</p> <p><b>MANCOZEB</b> Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved USA: Under Registration Review (scheduled)</p>
FLUDIOXONIL   CYPRODINIL	12 + 9	Suppression only: Black mould Grey mould	<p><b>FLUDIOXONIL</b> Australia: No current concerns. EU: Approved, candidate for substitution</p> <p><b>CYPRODINIL</b> Australia: No current concerns. EU: Approved, candidate for substitution Canada: In re-evaluation</p>

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FLUOPYRAM   TEBUCONAZOLE	3 + 7	Suppression only: White rot	<p><b>FLUOPYRAM</b> Australia: No current concerns. Codex MRL: 15 mg/Kg</p> <p><b>TEBUCONAZOLE</b> Australia: APVMA: Removed from nomination list - maintain watching brief Codex MRL: 2 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 Downy Mildew	<p><b>HYDROGEN PEROXIDE</b> Australia: No current concerns.</p> <p><b>PEROXYACETIC ACID</b> Australia: No current concerns</p>
IODINE	M	Fungi	Australia: No current concerns. Canada: Cancelled
MANCOZEB   OXATHIPIPROLIN	M3 + 49	Downy mildew	<p><b>MANCOZEB</b> Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved USA: Under Registration Review (scheduled)</p> <p><b>OXATHIPIPROLIN</b> Australia: No current concerns. Codex MRL: 2 mg/Kg</p>
OXATHIPIPROLIN	49	Downy mildew	Australia: No current concerns. Codex MRL: 2 mg/Kg
PENTHIOPYRAD	7	Botrytis blight and Neck rot Purple blotch	Australia: No current concerns. Codex MRL: 4 mg/Kg EU: Not approved
PHOSPHOROUS (PHOSPHONIC) ACID	P07 (33)	No Permit PER13698 for the control of Downy mildew	Australia: No current concerns. Permit PER13698 Expiry date: 31/07/2030

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PROPAMOCARB   FLUOPICOLIDE	28 + 43	Downy mildew	<p><b>PROPAMOCARB</b> Australia: No current concerns.</p> <p><b>FLUOPICOLIDE</b> Australia: No current concerns EU: Approved, candidate for substitution</p>
SULPHUR	M2	Two spotted mite Tomato mite Powdery mildew Rust Black Spot	<p>Australia: No current concerns. Canada: In re-evaluation</p>
TEBUCONAZOLE	3	White root rot	<p>Australia: APVMA: Removed from nomination list - maintain watching brief Codex MRL: 2 mg/Kg EU: Approved, candidate for substitution Canada: In re-evaluation USA: Under Registration Review (scheduled)</p>
TRIADIMENOL	3	Permit PER14906 for the control of White rot	<p>Australia: <a href="#">APVMA nominated for reconsideration after 2029</a>. Permit PER14906 Expiry date: 31/07/2029 EU: Not approved Canada: Cancelled</p>

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### HERBICIDES - Weed Control

Blue text = new APVMA approved uses

Active Constituent	MoA Group	Risks and Comments
2,4-D	4	Australia: No current concerns. UK: Withdrawn (2030). Canada: In re-evaluation USA: Under Registration Review (scheduled)
AMMONIUM THIOCYANATE   AMITROLE	34 + 34	<b>AMMONIUM THIOCYANATE</b> Australia: No current concerns <b>AMITROLE</b> Australia: APVMA nominated for reconsideration after 2029. Canada: Cancelled
ATRAZINE	5	Australia: <a href="#">Nominated for targeted spray drift reconsideration</a> EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
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
CLETHODIM	1	Australia: No current concerns. Permit PER82459 Expiry date: 30/09/2026
DIQUAT	22	Australia: APVMA: <a href="#">Currently under review</a> . Publication of the final regulatory decision is expected in Mid 2026. EU: Not approved
FLUAZIFOP-P PRESENT AS THE BUTYL ESTER	1	Australia: <a href="#">Nominated for targeted spray drift reconsideration</a> Permit PER82556 Expiry date: 30/11/2027 Canada: Cancelled
GLYPHOSATE	9	Australia: <a href="#">Nominated for targeted spray drift reconsideration</a> Permit PER86434 Expiry date: 31/05/2028 USA: Under Registration Review (scheduled)

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IOXYNIL	5	Australia: No current concerns. EU: Not approved
LINURON	5	Australia: No current concerns. EU: Not approved
METHABENZTHIAZURON	5	Australia: No current concerns. Permit PER14742 Expiry date: 28/02/2029 EU: Not approved
METOLACHLOR	15	Australia: No current concerns. EU: Not approved Canada: Cancelled
PARAQUAT	22	Australia: APVMA: <a href="#">Currently under review</a> . 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
PENDIMETHALIN	3	Australia: No current concerns. Codex MRL: 0.4 mg/Kg EU: Approved, candidate for substitution Canada: In re-evaluation USA: Under Registration Review (scheduled)
PROPACHLOR	15	Australia: No current concerns. Permit PER12008 Expiry date: 31/08/2028 EU: Not approved
PROPYZAMIDE	3	Australia: No current concerns. EU: Approved, candidate for substitution Canada: In re-evaluation
QUIZALOFOP-P-ETHYL	1	Australia: No current concerns.
S-METOLACHLOR	15	Australia: No current concerns. EU: Not approved
SETHOXYDIM	1	Australia: No current concerns. EU: Not approved Canada: Phase-Out
SIMAZINE	5	Australia: <a href="#">APVMA nominated for reconsideration after 2029</a> . EU: Not approved

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SULFOMETURON-METHYL	B	Australia: No current concerns.
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### FUMIGANTS

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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	<b>CHLOROPICRIN</b> Australia: No current concerns. EU: Not approved USA: Restricted use <b>1,3-DICHLOROPROPENE</b> 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.
METHYL BROMIDE	Disinfestation treatment of commodities to meet interstate and intrastate quarantine requirements	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Permit PER96144 Expiry date: 31/01/2031 EU: Not approved Canada: Remaining pre-plant soil fumigation uses were cancelled (June 2025) USA: Restricted use

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