

# **Celery**

## **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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 Celery 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
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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	Leaf miner	Australia: <a href="#">APVMA nominated for reconsideration and spray drift assessment.</a> Codex MRL: 0.03 mg/Kg Canada: Re-evaluation finalised. Label amendments to mitigate risks to human health and environment (July, 2025)
AFIDOPYROPEN	9D	Cabbage aphid, Cotton aphid, Currant lettuce aphid, Green peach aphid, Silverleaf whitefly	Australia: No current concerns. EU: Not approved
BIFENTHRIN	3A	PER86599 for the control of Red legged earthmite	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Permit PER86599 Expiry date: 31/10/2028 EU: Not approved Canada: Cancelled
BUPROFEZIN	16	PER82467 for the control of Greenhouse whitefly	Australia: No current concerns. Permit PER82467 Expiry date: 31/03/2030
CHLORANTRANILIPROLE	28	PER93850 for the control of Leaf miners	Australia: No current concerns. Permit PER93850 Expiry date: 31/12/2026 Codex MRL: 7 mg/Kg Canada: In re-evaluation
CHLORPYRIFOS	1B	PER82358 for the control of Helicoverpa armigera	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. EU: Not approved Canada: Cancelled
CYANTRANILIPROLE	28	PER93850 for the control of Leaf miners	Australia: No current concerns. Permit PER93850 Expiry date: 31/12/2026 Codex MRL: 15 mg/Kg
CYROMAZINE	17	Liriomyza species	Australia: No current concerns. Codex MRL: 4 mg/Kg EU: Not approved

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EMAMECTIN	6	PER88066 for the control of Helicoverpa, Lightbrown Apple Moth & Cluster Caterpillar.	Australia: <a href="#">Nominated for targeted spray drift reconsideration</a> Permit PER88066 Expiry date: 30/06/2029 EU: Approved, candidate for substitution
FIPRONIL	2B	PER83203 for the control of Western flower thrips, Onion thrips	Australia: APVMA: Proposed Regulatory decision was expected by April 2026. APVMA is now advising the by end of 2026 at the earliest. Permit PER83203 Expiry date: 30/09/2026 Permit PER89402 Expiry date: 30/04/2027 EU: Not approved
FLUBENDIAMIDE	28	PER94451 for the control of Leaf miners	Australia: No current concerns. Codex MRL: 5 mg/Kg EU: Not approved
IMIDACLOPRID	4A	PER12489 for the control of Aphids, whitefly, thrips	Australia: APVMA: Neonicotinoids chemical review has been delayed. The proposed regulatory decision unlikely before 2027. Permit PER12489 Expiry date: 31/12/2026 Codex MRL: 6 mg/Kg EU: Not approved Canada: Very few uses allowed in greenhouses and seed treatment.
INDOXACARB	22A	PER14843 for the control of Lucerne leaf roller	Australia: No current concerns. Permit PER14843 Expiry date: 30/06/2029 EU: Not approved
IRON EDTA COMPLEX	--	Common brown(brown) snail White snail Vine snail	Australia: No current concerns
ISOCYCLOSERAM	30	PER96481 for the control of Leaf miner	Australia: No current concerns. Permit PER96481 Expiry date: 31/07/2028
MALATHION	1B	Aphids Cabbage moth Cabbage white butterfly Green vegetable bug Jassids Leaf hoppers Rutherglen bug 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. Canada: In re-evaluation
METALDEHYDE	--	For the control of snails and slugs	Australia: No current concerns Canada: In re-evaluation

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METHOMYL	1A	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 PER82428 Expiry date: 31/01/2029 EU: Not approved Canada: In re-evaluation
NUCLEAR POLYHEDROSIS VIRUS OF HELICOVERPA ARMIGERA	--	Helicoverpa armigera (Corn earworm, cotton bollworm, tobacco budworm) Helicoverpa punctigera (Native budworm)	Australia: No current concerns.
NUCLEAR POLYHEDROSIS VIRUS OF HELICOVERPA ZEA	--	Helicoverpa	Australia: No current concerns.
PERMETHRIN	3A	Helicoverpa spp., Lucerne leaf roller	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Codex MRL: 2 mg/Kg EU: Not approved
PETROLEUM OIL	UN	Aphids, Green mirid, Green vegetable bug, Grey cluster bug, Leafhoppers, Mites, Rutherglen bug, Thrips PER12221 for the control of Specified insect pests	Australia: No current concerns. Permit PER12221 Expiry date: 30/09/2027 EU: Not approved
PIRIMICARB	1A	Aphids, Cotton aphid, Green peach aphid	Australia: No current concerns. EU: Approved, candidate for substitution Canada: Cancelled
PYMETROZINE	9B	Aphids	Australia: <a href="#">APVMA nominated for reconsideration and spray drift assessment.</a> EU: Not approved Canada: Cancelled
SPINETORAM	5	Helicoverpa. Permit PER94451 for the control of leaf miners.	Australia: No current concerns. Permit PER94451 Expiry date: 31/07/2027 Codex MRL: 6 mg/Kg EU: Not approved Canada: In re-evaluation
SPINOSAD	5	Helicoverpa. Permit PER96806 for the control of dipteran leaf miners.	Australia: No current concerns. Permit PER96806 Expiry date: 30/05/2031 Codex MRL: 2 mg/Kg Canada: In re-evaluation

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SPIROTETRAMAT	23	Cotton aphid, Plague thrips, Tomato thrips, Western flower thrips.	Australia: No current concerns. Codex MRL: 4 mg/Kg EU: Not approved Canada: In re-evaluation
SULFOXAFLOX	4C	Green peach aphid	Australia: No current concerns. Codex MRL: 1.5 mg/Kg
TRICHLORFON	1B	Cutworms, Cabbage white butterfly, Green vegetable bug	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> 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
BOSCALID	7	PER11127 for the control of Sclerotinia rot	Australia: No current concerns. Permit PER11127 Expiry date: 31/03/2028 Codex MRL: 30 mg/Kg Canada: In re-evaluation
CHLOROTHALONIL	M5	Septoria spot, Early blight	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2028.</a> Codex MRL: 20 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
COPPER	M1	Bacterial soft rot, Early blight, Leaf spots, Septoria spot, Soft rot	Australia: No current concerns.
DIFENOCONAZOLE	3	Septoria spot, Early blight	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Codex MRL: 3 mg/Kg EU: Approved, candidate for substitution Canada: In re-evaluation
HYDROGEN PEROXIDE   PEROXYACETIC ACID	M	Cercospora Leaf Spot (Cercospora spp)	<b>HYDROGEN PEROXIDE</b> Australia: No current concerns. <b>PEROXYACETIC ACID</b> Australia: No current concerns.
IPRODIONE	2	Sclerotinia rot	Australia: No current concerns. EU: Not approved USA: Under Registration Review (scheduled)
MANCOZEB	M3	Early blight, Leaf spots, Powdery mildew	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved USA: Under Registration Review (scheduled)

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METALAXYL-M + MANCOZEB	M3	Permit PER13673 for the control of Septoria spot	<p><b>METALAXYL-M</b> Australia: No current concerns.</p> <p><b>MANCOZEB</b> Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved USA: Under Registration Review (scheduled)</p>
METIRAM	M3	Early blight, Septoria Spot	<p>Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved Canada: Only approved for foliar applications in potato crops.</p>
PENTHIOPYRAD	7	Early blight (Target spot, Leaf spot) (Alternaria spp.), Powdery mildew (Erysiphe spp.)	<p>Australia: No current concerns. Codex MRL: 15 mg/Kg EU: Not approved</p>
PROPICONAZOLE	3	Early blight, Septoria Spot PER14479 for the control of Various pests	<p>Australia: <a href="#">APVMA nominated for reconsideration and spray drift assessment.</a> Permit PER14479 Expiry date: 31/08/2029 EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)</p>
PROPINEB	M3	Septoria spot	<p>Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved</p>
PYDIFLUMETOFEN   DIFENOCONAZOLE	7 + 3	Cercospora leaf spot (Cercospora apii) Septoria leaf spot (Septoria apiicola)	<p><b>PYDIFLUMETOFEN</b> Australia: No current concerns. EU: Pending Canada: In re-evaluation</p> <p><b>DIFENOCONAZOLE</b> Australia: APVMA nominated for reconsideration after 2029. Codex MRL: 3 mg/Kg EU: Approved, candidate for substitution Canada: In re-evaluation</p>
THIRAM	M3	Anthracoze, Botrytis rot, Septoria spot	<p>Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved Canada: Only approved for seed treatment.</p>

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TRIFLOXYSTROBIN	11	Cercospora leaf spot ( <i>Cercospora apii</i> ) Septoria leaf spot ( <i>Septoria apiicola</i> ) PER14494 for the control of Powdery mildew	Australia: No current concerns. Permit PER14494 Expiry date: 31/08/2027 Codex MRL: 1 mg/Kg Canada: In re-evaluation
ZINEB	M3	Early blight, Septoria Spot	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved Canada: Cancelled
ZIRAM	M3	Septoria spot	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Approved, candidate for substitution 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.
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> Canada: Cancelled
GLYPHOSATE	9	Australia: <a href="#">Nominated for targeted spray drift reconsideration</a> USA: Under Registration Review (scheduled)
LINURON	5	Australia: No current concerns. EU: Not approved
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
PROMETRYN	5	Australia: No current concerns. Permit PER13114 Expiry date: 31/03/2027 EU: Not approved

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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	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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R4	No current risk/concerns

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