

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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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

## Cucumber - 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
ABAMECTIN	6	Root-knot nematodes; Two-spotted (Red spider) mite; Western flower thrips.  Permit PER14722 for the control of Red tomato spider mite	Australia: <a href="#">APVMA nominated for reconsideration and spray drift assessment.</a> Permit PER14722 Expiry date: 31/05/2030 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; Currant lettuce aphid; Cotton / melon aphid; Green peach aphid; Silverleaf whiteflies	Australia: No current concerns. Codex MRL: 0.7 mg/Kg EU: Not approved
ALPHA-CYPERMETHRIN	3A	Permit PER80138 for the control of Cucumber fruit fly	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Permit PER80138 Expiry date: 31/12/2029 EU: Not approved
<i>Bacillus thuringiensis</i>	11A	Armyworm Cotton bollworm Native budworm Cabbage moth Cabbage white butterfly Loopers Lightbrown apple moth Vine moth	Australia: No current concerns. USA: Under Registration Review (scheduled)
<i>Bacillus thuringiensis</i> SUBSP. ISRAELENIS STRAIN AM65-52	--	Permit PER14694 for the control of Fungus Gnats (Sciaridae spp.)	Australia: No current concerns. Permit PER14694 Expiry date: 31/03/2029
BETACYFLUTHRIN	3A	Cucumber moth Helicoverpa	Australia: No current concerns. EU: Not approved

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

## Cucumber - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
BIFENAZATE	20D	Bryobia mite Two-spotted (Red spider) mite  Permit PER82341 for the control of Red tomato spider mite	Australia: No current concerns. Permit PER82341 Expiry date: 31/01/2030 Codex MRL: 0.5 mg/Kg Canada: In re-evaluation
BIFENTHRIN	3A	Caterpillars Cucumber moth Helicoverpa Mites Moths Silverleaf whiteflies Thrips Whiteflies Yellow spotted stink bug	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> EU: Not approved Canada: Cancelled
BUPROFEZIN	16	Permit PER82467 for the control of Greenhouse whitefly, Bemisia spp. Sweet potato whitefly and\ Silverleaf whitefly (SLW)	Australia: No current concerns. Permit PER82467 Expiry date: 31/03/2030 Codex MRL: 0.7 mg/Kg
CARBARYL	1A	Spotted potato ladybird Armyworms Cucurbit stem borer Cutworms European earwig Green vegetable bug Helicoverpa Leaf eating ladybirds Potato moth (Leafminer) Pumpkin beetle Rutherglen bug Wingless grasshopper	Australia: No current concerns. EU: Not approved Canada: In re-evaluation 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

## Cucumber - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
CHLORANTRANILIPROLE	28	Cucumber moth Helicoverpa	Australia: No current concerns. Codex MRL: 0.3 mg/Kg Canada: In re-evaluation
CLITORIA TERNATEA EXTRACT	UNE	Silverleaf whitefly	Australia: No current concerns.
CLOTHIANIDIN	4A	Permit PER95266 for the control of Cucumber Fruit Fly	Australia: APVMA: <a href="#">Currently under review</a> . Proposed regulatory decisions expected between December 2025 to October 2026. Permit PER95266 Expiry date: 31/01/2026 Codex MRL: 0.02 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
CYANTRANILIPROLE	28	Cotton / melon aphid; Cucumber moth; Helicoverpa; Silverleaf whiteflies; Western flower thrips; Vegetable leafminer (PER90387)	Australia: No current concerns. Codex MRL: 0.3 mg/Kg
CYANTRANILIPROLE + DIAFENTHIURON	28 + 12A	Permit PER 92919 for the control of silverleaf whitefly, melon aphid, green peach aphid & others	CYANTRANILIPROLE Codex MRL: 0.3 mg/Kg Australia: No current concerns.  DIAFENTHIURON Australia: No current concerns. EU: Not approved  Permit PER92919 Expiry date: 31/10/2026
CYCLOBUTRIFLURAM	N-3	Root Knot Nematode	Australia: No current concerns.
CYFLUMETOFEN	25A	Permit PER 94594 for the control of Two-Spotted Mite	Australia: No current concerns. Permit PER94594 Expiry date: 31/01/2028 Codex MRL: 0.5 mg/Kg

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

## Cucumber - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
DIAFENTHIURON	12A	NO	Australia: No current concerns. EU: Not approved
DIMETHOATE	1B	Cucumber fly	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2029.</a> EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
DIMPROPYRIDAZ	36	Melon aphid; Greenhouse whitefly; Silverleaf whitefly	Australia: No current concerns. EU: Pending
EMAMECTIN	6	Cluster caterpillar; Cucumber moth; Helicoverpa; Tomato grub	Australia: <a href="#">APVMA Nominated for targeted spray drift reconsideration</a> EU: Approved, candidate for substitution. UK: Withdrawn (2024).
EMULSIFIABLE BOTANICAL OILS		Two-spotted mite (T. urticae), Aphids, Sooty mould. Permit PER14077 for the control of Silverleaf whitefly	Australia: No current concerns. Permit PER14077 Expiry date: 31/07/2028
ETOXAZOLE	10B	Permit PER82460 for the control of TWO SPOTTED MITES AND RED SPIDER MITE	Australia: No current concerns. Permit PER82460 Expiry date: 31/05/2028 Codex MRL: 0.02 mg/Kg EU: Approved, candidate for substitution.
FLONICAMID	29	Cotton / melon aphid; Green peach aphid; Silverleaf whiteflies	Australia: No current concerns. Codex MRL: 0.2 mg/Kg
FLUAZAINDOUZINE	N-UN	Nematodes	Australia: No current concerns. EU: Pending
FLUBENDIAMIDE	28	Cluster caterpillar; Helicoverpa	Australia: No current concerns. Codex MRL: 0.2 mg/Kg EU: Not approved UK: Withdrawn (2024).

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

## Cucumber - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
FLUENSULFONE	5	Root-knot nematodes	Australia: No current concerns. Codex MRL: 0.7 mg/Kg
FLUPYRADIFURONE	4D	Cotton / melon aphid; Green peach aphid; Greenhouse whitefly; Silverleaf whiteflies	Australia: No current concerns. Codex MRL: 0.4 mg/Kg
HEXYTHIAZOX	10A	Permit PER95394 for the control of Tomato spider mite, Twospotted mite, Broad mite, Tomato russet mite	Australia: No current concerns. Permit PER95394 Expiry date: 30/09/2029 Codex MRL: 0.05 mg/Kg
IMIDACLOPRID	4A	Permit PER12489 for the control of Green peach aphid; Silverleaf whiteflies and Greenhouse whitefly.	Australia: APVMA: <a href="#">Currently under review</a> . Proposed regulatory decisions expected between December 2025 to October 2026. Permit PER12489 Expiry date: 31/12/2026 Codex MRL: 1 mg/Kg EU: Not approved Canada: Very few uses allowed in greenhouses and seed treatment. USA: Under Registration Review (scheduled)
ISOCYCLOSERAM	30	Two-spotted mites; Broad mite (Suppression); Bean red spider mite (Suppression); Cucumber moth; Thrips (Suppression); Helicoverpa spp (Suppression)	Australia: No current concerns. Codex MRL: 0.1 mg/Kg
MALATHION	1B	Spotted potato ladybird; Aphids; Fruit flies; Green vegetable bug; Jassids; Leafhoppers; Pumpkin beetle; Redlegged earth mite; Rutherglen bug; Spur-throated locust	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. Codex MRL: 0.2 mg/Kg UK: Withdrawn (2025). Canada: In re-evaluation USA: Under Registration Review (scheduled)
METHOMYL	1A	Cluster caterpillar; Cucumber moth; Helicoverpa; Loopers; Rutherglen bug; Thrips; Webworms; Western flower thrips	Australia: APVMA reconsideration <a href="#">Prioritised to be commenced by 2026</a> . Codex MRL: 0.1 mg/Kg EU: Not approved Canada: In re-evaluation 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

## Cucumber - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
NUCLEAR POLYHEDROSIS VIRUS OF HELICOVERPA ARMIGERA	--	Helicoverpa spp.	Australia: No current concerns.
ORANGE OIL	--	Whitefly ( <i>Bemisia tabaci</i> ) Two spotted mite ( <i>Tetranychus urticae</i> ) Suppression: Onion thrips ( <i>Thrips tabaci</i> ) & Western flower thrips ( <i>Frankliniella occidentalis</i> ) Tomato thrips ( <i>Frankliniella schultzei</i> ) Green peach aphid ( <i>Myzus persicae</i> ) & Melon aphid ( <i>Aphis gossypii</i> ) Serpentine leafminer ( <i>Liriomyza huidobrensis</i> ),	Australia: No current concerns.
PETROLEUM OIL	UN	Aphids Leafhoppers Mites Thrips.  Permit PER12221 for the control of Greenhouse whitefly, Sweet potato whitefly Silverleaf whitefly B biotype Whitefly Q biotype	Australia: No current concerns. Permit PER12221 Expiry date: 30/09/2027 EU: Not approved
PIRIMICARB	1A	Aphids	Australia: No current concerns. Codex MRL: 1 mg/Kg EU: Approved, candidate for substitution. Canada: Cancelled
POTASSIUM SALTS OF FATTY ACIDS	--	Permit PER13920 for the control of Glasshouse whitefly and Silverleaf whitefly	Australia: No current concerns. Permit PER13920 Expiry date: 31/12/2027 Canada: In re-evaluation
PYRETHRINS	3A	Ants; Cabbage white butterfly; Caterpillars; Diamondback (Cabbage) moth; Earwig; Flies; Leafhoppers; Light brown apple moth; Mealybugs; Plague thrips; Rutherglen bug; Thrips	Australia: No current concerns. Codex MRL: 0.05 mg/Kg

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

## Cucumber - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
PYRIPROXYFEN	7C	Silverleaf whiteflies Greenhouse whitefly	Australia: No current concerns. Codex MRL: 0.04 mg/Kg
SPINETORAM	5	Caterpillars; Cucumber moth; Helicoverpa; Western flower thrips; Permit PER94451 for the control of Leaf miners	Australia: No current concerns. Permit PER94451 Expiry date: 31/07/2027 EU: Not approved UK: Withdrawn (2024). Canada: In re-evaluation
SPINOSAD	5	Cucumber moth; Helicoverpa; Western flower thrips.  Permit PER94331 for the control of Leaf miners (Liriomyza spp.)	Australia: No current concerns. Permit PER94331 Expiry date: 30/04/2026 Codex MRL: 0.2 mg/Kg Canada: In re-evaluation
SPIROTETRAMAT	23	Cotton aphid; green peach aphid and silverleaf whitefly.	Australia: No current concerns. Codex MRL: 0.2 mg/Kg EU: Not approved Canada: In re-evaluation
SULFOXAFLO	4C	Cotton / melon aphid; Green peach aphid; Greenhouse whitefly	Australia: No current concerns. Codex MRL: 0.5 mg/Kg
TEBUFENPYRAD	21A	European red mite; Two-spotted (Red spider) mite	Australia: No current concerns. EU: Approved, candidate for substitution.
TRICHLORFON	1B	Cutworms; Green vegetable bug; Rutherglen bug	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> EU: Not approved Canada: Cancelled USA: Under Registration Review (scheduled)
TRIFLOXYSTROBIN	11	Permit PER14050 for the control of Powdery mildew	Australia: No current concerns. Permit PER14050 Expiry date: 31/03/2028 Codex MRL: 0.3 mg/Kg Canada: In re-evaluation



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

## Cucumber - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
ORANGE OIL		Poinsettia Whitefly, Powdery Mildew, Two Spotted Mite	Australia: No current concerns.

### FUNGICIDES – Disease Control

Active Constituent	MoA Group	Pest	Risks and Comments
AMETOCTRADIN + DIMETHOMORPH	45 + 40	Downy mildew	AMETOCTRADIN Australia: No current concerns. Codex MRL: 0.4 mg/Kg  DIMETHOMORPH Australia: No current concerns. Codex MRL: 0.5 mg/Kg EU: Not approved Canada: In re-evaluation
<i>Aureobasidium pullulans</i>	--	Botrytis/Grey mould, Sclerotinia	Australia: No current concerns.
AZOXYSTROBIN	11	Downy mildew; Gummy stem blight; Powdery mildew  PER93402 for the control of Powdery mildew	Australia: No current concerns. Permit PER93402 Expiry date: 31/05/2027 Codex MRL: 1 mg/Kg Canada: In re-evaluation
BOSCALID   KRESOXIM-METHYL	7 + 11	Powdery mildew	Australia: No current concerns.
BUPIRIMATE	8	Powdery mildew	Australia: No current concerns.
CAPTAN	M4	PER14326 for the control of Grey Mould	Australia: No current concerns. Permit PER14326 Expiry date: 31/03/2027 Codex MRL: 3 mg/Kg

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

## Cucumber - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
CHLOROTHALONIL	M5	Alternaria leaf blight; Anthracnose; Downy mildew; Gummy stem blight; Powdery mildew; Rhizoctonia ground rot; Target leafspot; Permit  PER82895 for the control of Grey Mould (Botrytis cinerea)	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2028.</a> Codex MRL: 3 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
COPPER	M1	Angular leaf spot; Anthracnose; Bacterial spot; Downy mildew; Gummy stem blight; Late (Irish) blight; Leaf diseases/spots; Powdery mildew; Rust; Septoria leaf spot; Target spot (Early blight)	Australia: No current concerns.
CYFLUFENAMID	U6	Powdery mildew	Australia: No current concerns.
DIFENOCONAZOLE	3	PER93402 for the control of Powdery mildew	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Permit PER93402 Expiry date: 31/05/2027 Codex MRL: 0.2 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation
DIMETHOMORPH	40	Alternaria leaf blight; Anthracnose; Downy mildew; Gummy stem blight; Septoria leaf spot	Australia: No current concerns. Codex MRL: 0.5 mg/Kg EU: Not approved Canada: In re-evaluation
FENHEXAMID	17	Grey mould / Botrytis	Australia: No current concerns. Codex MRL: 1 mg/Kg
FLORYLPICOXAMID	21	Gummy Stem Blight, Powdery Mildew	Australia: No current concerns. EU: Pending
GUAZATINE ACETATES	M7	Fusarium fruit rot; Rhizopus rot	Australia: No current concerns. EU: Not approved
HYDROGEN PEROXIDE   PEROXYACETIC ACID	M	Powdery mildew	Australia: No current concerns.

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

## Cucumber - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
IODINE	M	Bactericide	Australia: No current concerns. Canada: Cancelled
IPRODIONE	2	Permit PER81589 for the control of SCLEROTINIA ROT	Australia: No current concerns. Permit PER81589 Expiry date: 30/06/2026 EU: Not approved USA: Under Registration Review (scheduled)
MANCOZEB	M3	Alternaria leaf blight; Anthracnose; Downy mildew  Permit PER14046 for the control of Grey mould / Botrytis	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> Permit PER14046 Expiry date: 31/01/2028 EU: Not approved UK: Withdrawn (2024). USA: Under Registration Review (scheduled)
METALAXYL	4	Phytophthora soil fungus (Dieback); Anthracnose; Damping off; Downy mildew; Gummy stem blight	Australia: No current concerns. Codex MRL: 0.5 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation
METIRAM	M3	Downy mildew; Gummy stem blight	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved Canada: Only approved for foliar applications in potato crops.
METRAFENONE	50	Powdery mildew	Australia: No current concerns. Codex MRL: 0.5 mg/Kg
ORANGE OIL	--	<i>Powdery mildew (Podosphaera xanthii) Grey mould (Botrytis cinerea) Suppression only</i>	<i>Australia: No current concerns.</i>
OXADIXYL	4	Downy mildew	Australia: No current concerns. EU: Not approved
OXATHIPIPROLIN	49	Downy mildew	Australia: No current concerns. Codex MRL: 0.2 mg/Kg

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

## Cucumber - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
PENTHIOPYRAD	7	Grey mould / Botrytis; Powdery mildew; Gummy stem blight	Australia: No current concerns. Codex MRL: 0.5 mg/Kg
PHOSPHOROUS (PHOSPHONIC) ACID	P07 (33)	Downy mildew	Australia: No current concerns.
POTASSIUM BICARBONATE	M2	Permit PER13695 for the control of Powdery mildew	Australia: No current concerns. Canada: In re-evaluation
PROPINEB	M3	Anthrachnose; Downy mildew; Gummy stem blight	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved
PROQUINAZID	13	Powdery mildew	Australia: No current concerns.
PYDIFLUMETOFEN   DIFENOCONAZOLE	7 + 3	Cercospora leaf spot, Early blight, Powdery mildew	DIFENOCONAZOLE Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Codex MRL: 0.2 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation  PYDIFLUMETOFEN Australia: No current concerns. EU: Pending Canada: In re-evaluation
PYRIMETHANIL	9	Permit PER7909 Botrytis Rot	Australia: No current concerns. Permit PER7909 Expiry date: 30/09/2027 Codex MRL: 0.7 mg/Kg Canada: In re-evaluation
PYRIMETHANIL	9	Botrytis/Grey mould	Australia: No current concerns. Codex MRL: 0.7 mg/Kg Canada: In re-evaluation
PYRIOFENONE	50	Powdery mildew	Australia: No current concerns. Codex MRL: 0.2 mg/Kg

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

## Cucumber - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Pest	Risks and Comments
<i>Streptomyces lydicus</i>	--	Powdery mildew	Australia: No current concerns.
SULFUR	UN	Anthrachnose, Downy mildew, Rust, Septoria spot, Target spot (Early blight)	Australia: No current concerns.
TRIADIMEFON	3	Powdery mildew	Australia: <a href="#">APVMA nominated for reconsideration after 2029.</a> Codex MRL: 0.2 mg/Kg EU: Not approved Canada: Restricted use
ZINEB	M3	Anthrachnose, downy mildew	Australia: APVMA reconsideration. <a href="#">Prioritised to be commenced by 2027.</a> EU: Not approved Canada: Cancelled

### HERBICIDES – Weed Control

Active Constituent	MoA Group	Risks and Comments
CLOMAZONE	13	Australia: No current concerns. 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. EU: Not approved USA: No agricultural uses allowed. Aquatic herbicide.
FLUAZIFOP-P PRESENT AS THE BUTYL ESTER	1	Australia: <a href="#">APVMA Nominated for targeted spray drift reconsideration</a> Canada: Cancelled

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

## Cucumber - Agrichemical Regulatory Risk Assessment

Active Constituent	MoA Group	Risks and Comments
PARAQUAT	22	Australia: APVMA: <a href="#">Currently under review</a> . Publication of the final regulatory decision is now expected in Mid 2026. Candidate chemical recommended to be listed to Rotterdam Convention. Codex MRL: 0.01 mg/Kg EU: Not approved Canada: Cancelled USA: Restricted use
QUIZALOFOP-P-TEFURYL	1	Australia: No current concerns.
SETHOXYDIM	1	Australia: No current concerns. EU: Not approved Canada: Phase-Out

### FUMIGANTS – Mixed Function

Active Constituent	Use	Risks and Comments
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
DAZOMET	Control of bacterial spot (Xanthomonas spp.) (suppression only). Soil insects and nematodes	Australia: No current concerns. 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

## Cucumber - Agrichemical Regulatory Risk Assessment

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.

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

Active Constituent	Use	Risks and Comments
1-METHYLCYCLOPROPENE	Postharvest treatment	Australia: No current concerns

**Funding statement:** MT24008 –Regulatory Support & Response Co-ordination. This *multi-industry* project has been funded by Hort Innovation, using *industry research and development levies* and contributions from the Australian Government. Hort Innovation is the grower-owned, not-for-profit research and development corporation for Australian horticulture.

#### Disclaimer

Horticulture Innovation Australia Limited (Hort Innovation) makes no representations and expressly disclaims all warranties (to the extent permitted by law) about the accuracy, completeness, or currency of information in MT24008 – Regulatory Support & Response Co-ordination. Reliance on any information provided by Hort Innovation is entirely at your own risk. Hort Innovation is not responsible for, and will not be liable for, any loss, damage, claim, expense, cost (including legal costs) or other liability arising in any way, including from any Hort Innovation or other person's negligence or otherwise from your use or non-use of MT24008 – Regulatory Support & Response Co-ordination, or from reliance on information contained in the material or that Hort Innovation provides to you by any other means.

#### Legal notice

Copyright © Horticulture Innovation Australia Limited 2025

Copyright subsists in Ag-Chemical Update. Horticulture Innovation Australia Limited (Hort Innovation) owns the copyright, other than as permitted under the Copyright ACT 1968 (Cth). The Ag-Chemical Update (in part or as a whole) cannot be reproduced, published, communicated or adapted without the prior written consent of Hort Innovation. Any request or enquiry to use the Ag-Chemical Update should be addressed to: Communications Manager

Hort Innovation

Level 7, 141 Walker Street

North Sydney NSW 2060

Australia

Email: [communications@horticulture.com.au](mailto:communications@horticulture.com.au)

Phone: 02 8295 2300