

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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 **Brassica leafy vegetables** 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
R/I	No current risk/concerns

INSECTICIDES/MITICIDES/NEMATICIDES - Insect and other pests

Blue text = new APVMA approved uses

Active Constituent	MoA Group	Pest	Risks and Comments
ABAMECTIN	6	Western flower thrips 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)
AFIDOPYROPEN	9D	Cabbage aphid Cotton aphid Currant lettuce aphid Green peach aphid Silverleaf (Poinsettia) whitefly	Australia: No current concerns. Codex MRL: 5 mg/Kg EU: Not approved
ALPHA-CYPERMETHRIN	3A	Permit for use in control of: Heliothis White cabbage butterfly Cluster caterpillar Cabbage moth	Australia: APVMA nominated for reconsideration after 2029. Permit PER88808 Expiry date: 31/07/2026 EU: Not approved
Bacillus thuringiensis	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)

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CHLORANTRANILIPROLE	28	Cabbage-centre grub Cabbage cluster caterpillar Cabbage leafminer Cabbage white butterfly Cluster caterpillar Cotton bollworm Diamondback moth Native budworm Soybean looper	Australia: No current concerns. Codex MRL: 20 mg/Kg Canada: In re-evaluation
CHLORANTRANILIPROLE + THIAMETHOXAM	28 + 4A	Cabbage Aphid Cabbage Centre Grub Cabbage White Butterfly Cluster Caterpillar Diamondback Moth Green Peach Aphid Green Vegetable Bug Greenhouse Whitefly Leaf miners Native Budworm Onion Thrips Silverleaf Whitefly Soybean Looper Western Flower Thrips Permit PER94452 for the control of Liriomyza species	Permit PER94452 Expiry date: 30/06/2026 CHLORANTRANILIPROLE Australia: No current concerns. Permit PER89259 Expiry date: 31/01/2028 Codex MRL: 20 mg/Kg Canada: In re-evaluation THIAMETHOXAM Australia: APVMA: Currently under review. Proposed regulatory decisions expected between December2025 to October2026. Codex MRL: 3 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)

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CHLORPYRIFOS	1B		Australia: The chemical review was completed in September 2024. 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 (NOT brassica leafy vegetables) as specified on current labels. EU: Not approved Canada: Cancelled USA: Agricultural uses cancelled. Very few registrations as Restricted Use Pesticide.
DIMPROPYRIDAZ	36	Cabbage aphid Green peach aphid	Australia: No current concerns. EU: Pending
EMAMECTIN	6	Diamondback Moth (Cabbage Moth)(Plutella xylostella), Cabbage White Butterfly (Pieris rapae) Heliothis (Helicoverpa spp.) Cluster caterpillar (Spodoptera litura) Loopers (Chrysodeixis spp.) Cabbage Centre Grub (Hellula Hydralis)	Australia: APVMA Nominated for targeted spray drift reconsideration EU: Approved, candidate for substitution. UK: Withdrawn (2024).
FLUBENDIAMIDE	28	Cabbage white butterfly Cluster caterpillar Diamondback (Cabbage) moth Helicoverpa Soybean looper	Australia: No current concerns. EU: Not approved UK: Withdrawn (2024).
IMIDACLOPRID	4A	PER14584 for the control of aphids, Whitefly and Thrips	Australia: APVMA: Currently under review. Proposed regulatory decisions expected between December2025 to October2026. Permit PER14584 Expiry date: 31/10/2028 EU: Not approved Canada: Very few uses allowed in greenhouses and seed treatment. USA: Under Registration Review (scheduled)

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ISOCYCLOSERAM	30	Diamondback moth Cabbage white butterfly Heliothis spp. (Suppression)	Australia: No current concerns.
NUCLEAR POLYHEDROSIS VIRUS OF HELICOVERPA ARMIGERA		Helicoverpa	Australia: No current concerns.
PIRIMICARB	1A	Cabbage aphid Green peach aphid	Australia: No current concerns. EU: Approved, candidate for substitution. Canada: Cancelled
PYMETROZINE	9В	Cotton aphid; Potato aphid	Australia: APVMA nominated for reconsideration and spray drift assessment. EU: Not approved Canada: Cancelled
PYRETHRINS	3A	Fruitfly Rutherglen bug Spiders	Australia: No current concerns.
SPINETORAM	5	Diamondback moth Cabbage white butterfly Cabbage cluster caterpillar Cabbage centre grub Loopers 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

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SPINOSAD	5	Diamondback moth Cabbage white butterfly Cabbage cluster caterpillar Cabbage centre grub Loopers Heliothis Western flower thrip Permit PER89870 for the control of Fall Armyworm PER94331 for the control of Leaf miners	Australia: No current concerns. Permit PER89870 Expiry date: 31/10/2030 Permit PER94331 Expiry date: 30/04/2026 Codex MRL: 10 mg/Kg Canada: In re-evaluation
SPIROTETRAMAT	23	Green peach aphid Grey cabbage aphid Silverleaf whitefly	Australia: No current concerns. Codex MRL: 7 mg/Kg EU: Not approved Canada: In re-evaluation
SPODOPTERA FRUGIPERDA MULTIPLE NUCLEOPOLYHEDROVIR US		PER90820 for the control of Fall Armyworm	Australia: No current concerns. Permit PER90820 Expiry date: 31/03/2027
SULFOXAFLOR	4C	Aphids (including cabbage aphid and green peach aphid)	Australia: No current concerns. Codex MRL: 6 mg/Kg

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THIAMETHOXAM	4A	Diamondback Moth Cabbage White Butterfly Corn Earworm Native Budworm Cabbage Centre Grub Cluster Caterpillar Cluster Caterpillar Soybean Looper Cabbage Aphid Green Peach Aphid Silverleaf Whitefly Greenhouse Whitefly Green Vegetable Bug Western Flower Thrips Onion Thrips. Leaf miners.	Australia: APVMA: Currently under review. Proposed regulatory decisions expected between December2025 to October2026. Codex MRL: 3 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
TRICHLORFON	18	Cabbage White Butterfly Cabbage Moth Green Vegetable Bug Rutherglen Bug	Australia: APVMA nominated for reconsideration after 2029. EU: Not approved Canada: Cancelled USA: Under Registration Review (scheduled)

FUNGICIDES – Disease Control

Active Constituent	MoA Group	Pest	Risks and Comments
AMETOCTRADIN	45	Downy mildew	Australia: No current concerns Codex MRL: 50 mg/Kg
AZOXYSTROBIN	11	Alternaria leaf spots, Sclerotinia rot, White blister	Australia: No current concerns. Canada: In re-evaluation
Bacillus amyloliquefaciens STRAIN QST 713	BM02	Permit PER87630 Bacterial spot / Blight (Xanthomonas spp.) (Suppression only)	Australia: No current concerns.
BOSCALID	7	Sclerotinia rot (Sclerotinia minor, S. sclerotorium)	Australia: No current concerns. Codex MRL: 40 mg/Kg Canada: In re-evaluation
CHLOROTHALONIL	M5	Downy Mildew Botrytis Alternaria Cercospora	Australia: APVMA reconsideration. Prioritised to be commenced by 2028. EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
COPPER	M1	Anthracnose, Downy mildew	Australia: No current concerns.
CYAZOFAMID	21	Downy mildew (Hyaloperonospora spp)	Australia: No current concerns. Codex MRL: 15 mg/Kg Canada: In re-evaluation
CYPRODINIL	9	Products containing Fludioxonil + Cypronidil for the control of Grey mould and Sclerotinia rot	Australia: No current concerns. Codex MRL: 15 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation
DIFENOCONAZOLE	3	Permit PER87973 for the control of Ring Spot	Australia: APVMA nominated for reconsideration after 2029. EU: Approved, candidate for substitution. Canada: In re-evaluation

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DIMETHOMORPH	40	Permit PER14985 for the use os Dimethomorph + Mancozeb for the control of Downy mildew, White Blister and Alternaria Leaf Spot	Australia: No current concerns. EU: Not approved Canada: In re-evaluation
FLUDIOXONIL	12	Products containing Fludioxonil + Cypronidil for the control of Grey mould and Sclerotinia rot	Australia: No current concerns. Codex MRL: 15 mg/Kg EU: Approved, candidate for substitution.
IPRODIONE	2	Grey mould; Sclerotinia rot	Australia: No current concerns. EU: Not approved USA: Under Registration Review (scheduled)
MANCOZEB	M3	Permit PER80538 for the control of Anthracnose and Septoria	Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved UK: Withdrawn (2024). USA: Under Registration Review (scheduled)
MANCOZEB + METALAXYL	M3 + 4	White blister Downy mildew	MANCOZEB Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved UK: Withdrawn (2024). USA: Under Registration Review (scheduled) METALAXYL Australia: No current concerns. EU: Approved, candidate for substitution. Canada: In re-evaluation
MANDIPROPAMID	40	Downy mildew	Australia: No current concerns. Codex MRL: 25 mg/Kg Canada: In re-evaluation
PHOSPHOROUS (PHOSPHONIC) ACID	P07 (33)	Permit PER 14184 for the control of Damping off and downy mildew	Australia: No current concerns.

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Active Constituent	MoA Group	Pest	Risks and Comments
POTASSIUM BICARBONATE	M2	Permit PER13695 for the control of Powdery mildew	Australia: No current concerns. Canada: In re-evaluation
TRIADIMENOL	3	Ring Spot	Australia: APVMA nominated for reconsideration after 2029. EU: Not approved Canada: Cancelled
ZINEB	M3	Cercospora leaf spot & Downy mildew	Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved Canada: Cancelled

HERBICIDES – Weed Control

Active Constituent	MoA Group	Risks and Comments
CLETHODIM	1	Australia: No current concerns. Permit PER82459 Expiry date: 30/09/2026
DIQUAT	22	Australia: APVMA: <u>Currently under review.</u> Publication of the final regulatory decision is now expected in Mid 2026 . EU: Not approved USA: No agricultural uses allowed. Aquatic herbicide.
FLUAZIFOP-P	1	Australia: No current concerns Permit PER81244 Expiry date: 30/04/2027
METOLACHLOR	15	Australia: No current concerns. EU: Not approved
PARAQUAT	22	Australia: APVMA: Currently under review. Publication of the final regulatory decision is now 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: 0.3 mg/Kg EU: Approved, candidate for substitution.
PROPACHLOR	15	Australia: No current concerns. Permit PER12008 Expiry date: 30/11/2025 EU: Not approved

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FUMIGANTS – Mixed Function

Active Constituent	Use	Risks and Comments
CHLOROPICRIN + 1,3-	Control of soil borne diseases, plant parasitic	CHLOROPICRIN
DICHLOROPROPENE	Nematodes, Symphylans and Wireworms	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.)	Australia: No current concerns.
	(suppression only). Soil insects and nematodes	USA: Under Registration Review (scheduled)
ETHANEDINITRILE	Soil borne pathogens, nematodes and weeds	Australia: No current concerns.
METHAM PRESENT AS	Germinating weeds and soil-borne fungus	Australia: No current concerns.
SODIUM SALT	diseases	

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