

Table Grapes 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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 table grapes in Australia, as well as assisting with any current initiatives aimed at identifying and addressing pest management deficiencies.

The following risk assessment refers to table grapes including pesticides with labels that state grapevines and vineyards. Where not specified next to the active constituent, the entry refers to table grapes.

R0	Use no longer approved
R1	Short-term: Critical concern over retaining access < 1 year
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R3	Long-term: Potential issues associated with use – Monitoring required < 5 years
R4	No current risk/concerns

Table grapes - 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 Lesser Queensland fruit fly	<p>4-(P-ACETOXYPHENYL)-2-BUTANONE Australia: No current concerns Permit PER12439 Expiry date: 31/03/2027</p> <p>FIPRONIL Australia: APVMA: Currently under review. Proposed Regulatory decision expected by April 2026. Permit PER12439 Expiry date: 31/03/2030 EU: Not approved USA: Under Registration Review (scheduled)</p>
ABAMECTIN + CHLORANTRANILIPROLE	6 + 28	Garden weevil Grape leaf rust mite Grapevine moth Light brown apple moth Two-spotted mite	<p>ABAMECTIN Australia: APVMA nominated for reconsideration and spray drift assessment. Permit PER12439 Expiry date: 31/03/2028 Codex MRL: 0.03 mg/Kg Canada: Re-evaluation finalised. Label amendments to mitigate risks to human health and environment (July, 2025)</p> <p>CHLORANTRANILIPROLE Australia: No current concerns. Permit PER12439 Expiry date: 31/03/2031 Codex MRL: 1 mg/Kg Canada: In re-evaluation</p>

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Active Constituent	MoA Group	Pest	Risks and Comments
ACETAMIPRID + PYRIPROXYFEN	4A + 7C	Grapevine scale Light brown apple moth Longtailed mealybug	<p>ACETAMIPRID</p> <p>Australia: APVMA: Currently under review. Proposed regulatory decisions expected between December 2025 to October 2026. Permit PER12439 Expiry date: 31/03/2029 Codex MRL: 0.5 mg/Kg Canada: In re-evaluation USA: Under Registration Review (scheduled)</p> <p>PYRIPROXYFEN</p> <p>Australia: No current concerns. Permit PER12439 Expiry date: 31/03/2032</p>
ALPHA-CYPERMETHRIN	3A	Pink cutworm (Agrotis munda), apple weevil (Curculio beetle) (Otiorhynchus cribricollis), garden weevil (Phlyctinus callosus)	<p>Australia: APVMA nominated for reconsideration after 2029. EU: Not approved</p>
BIFENAZATE	20D	PER14492 for the control of Two Spotted Mites (Table Grapes)	<p>Australia: No current concerns. Permit PER14492 Expiry date: 31/05/2030 Codex MRL: 0.7 mg/Kg Canada: In re-evaluation</p>
BIFENTHRIN	3A	Fig longicorn / trunk borer (grapes)	<p>Australia: APVMA nominated for reconsideration after 2029. Codex MRL: 0.3 mg/Kg EU: Not approved Canada: Cancelled</p>
BUPROFEZIN	16	Tuber mealybug Longtailed mealybug Grapevine scale (suppression only)(grapes)	<p>Australia: No current concerns. Codex MRL: 1 mg/Kg</p>
CARBARYL	1A	Cutworms (grapes – butt treatments only)	<p>Australia: No current concerns. EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)</p>

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CHLORANTRANILIPROLE	28	Grapevine moth Light brown apple moth	Australia: No current concerns. Codex MRL: 1 mg/Kg Canada: In re-evaluation
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 as specified on current labels. EU: Not approved Canada: Cancelled USA: Agricultural uses cancelled. Very few registrations as Restricted Use Pesticide.
CLOTHIANIDIN	4A	Fruit flies Longtailed mealybug	Australia: APVMA: Currently under review. Proposed regulatory decisions expected between December 2025 to October 2026. Codex MRL: 0.7 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
CYFLUMETOFEN	25A	European red mite Two-spotted mite	Australia: No current concerns. Codex MRL: 0.6 mg/Kg
DIAZINON	1B	--	Australia: Australia: APVMA made a Final Decision on 2024. After 10 September 2025, crop uses are no longer approved. . Codex: All MRLs deleted EU: Not approved Canada: Cancelled USA: Under Registration Review (scheduled)
DIMETHOATE	1B	Fruit flies (PER13859 – post harvest orchard clean up)	Australia: APVMA: Prioritised for chemical reconsideration in 2029. EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)

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EMAMECTIN	6	Grapevine moth Light brown apple moth (grapes except grapes grown for dried fruit production)	Australia: Nominated for targeted spray drift reconsideration EU: Approved, candidate for substitution. UK: Withdrawn (2024).
ETHYL FORMATE	8A	Longtailed mealybug Plague thrips Two-spotted mite Western flower thrips Light brown apple moth Redback spider	Australia: No current concerns. EU: Not approved
ETOXAZOLE	10B	Two-spotted mite	Australia: No current concerns. Codex MRL: 0.5 mg/Kg EU: Approved, candidate for substitution.
FENBUTATIN OXIDE	12B	PER13378 for the control of Rust mite & Two-spotted mite (table grapes)	Australia: APVMA nominated for reconsideration after 2029. Permit PER13378 Expiry date: 31/05/2030 Codex MRL: 5 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
FENITROTHION	1B	Australian plague locust Migratory locust Small plague grasshopper Spur-throated locust Wingless grasshopper (grapes)	Australia: On 15 August 2025, the APVMA made its final decision, cancelling field uses in horticultural crops (Gazette No. 17). A deemed one-year permit allows possession, supply, and use of products with previously approved labels EU: Not approved Canada: Cancelled USA: Agricultural uses cancelled (2017)

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Active Constituent	MoA Group	Pest	Risks and Comments
FIPRONIL	2B	PER88071 and PER89402 for the control of European Wasp PER86492 for the control of European wasp and common wasp (vineyards)	Australia: APVMA: Currently under review. Proposed Regulatory decision expected by April 2026. Permit PER88071 Expiry date: 30/11/2027 Permit PER89402 Expiry date: 30/04/2027 Permit PER86492 Expiry date: 31/08/2026 EU: Not approved USA: Under Registration Review (scheduled)
INDOXACARB	22A	European earwig Garden weevil Inland katydid Wingless grasshopper Grapevine moth Light brown apple moth (grapes)	Australia: No current concerns. Codex MRL: 2 mg/Kg EU: Not approved UK: Withdrawn (2024).
LAMBDA-CYHALOTHRIN	3A	PER12961 for the control of Mediterranean Fruit Fly & Queensland Fruit Fly	Australia: No current concerns. Permit PER12961 Expiry date: 31/03/2030 EU: Approved, candidate for substitution.
<i>Metarhizium anisopliae</i> VAR. ACRIDUM	--	Australian plague locust (nymphs) Grasshoppers Wingless grasshopper	Australia:
METHOMYL	1A	Grapevine hawk moth Grapevine moth Light brown apple moth (grapevines / grapes)	Australia: APVMA reconsideration. Prioritised to be commenced by 2026. Codex MRL: 0.3 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
METHOXYFENOZIDE	18	Light brown apple moth	Australia: No current concerns. Codex MRL: 1 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation

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Active Constituent	MoA Group	Pest	Risks and Comments
PARAFFINIC OIL	UNM	European red mite Grape leaf blister mite Grapevine scale Mealybug Scale insects Two-spotted mite (grapes)	Australia: No current concerns.
PHEROMONE	--	Light brown apple moth (grapevines)	Australia:
PYRETHRINS	3A	Aphids Caterpillars Fruit flies Plague thrips Rutherglen bug Light brown apple moth (grapes – wine and table)	Australia: No current concerns.
PYRIDABEN	21A	Bunch mite (grapes – not wine)	Australia: No current concerns.
SPINETORAM	5	Grapevine moth Light brown apple moth	Australia: No current concerns. Codex MRL: 0.3 mg/Kg EU: Not approved UK: Withdrawn (2024). Canada: In re-evaluation
SPINOSAD	5	Fruit flies (vines)	Australia: No current concerns. Codex MRL: 0.5 mg/Kg Canada: In re-evaluation
SPIROTETRAMAT	23	Grapevine scale Longtailed mealybug Northern plague thrips Plague thrips Tuber mealybug (grapes)	Australia: No current concerns. Codex MRL: 2 mg/Kg EU: Not approved Canada: In re-evaluation

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SULFOXAFLO	4C	Longtailed mealybug	Australia: No current concerns. Codex MRL: 2 mg/Kg
SULFUR	UN	Bunch / vine mite Grape leaf blister mite Grape leaf rust mite	Australia: No current concerns.
SULPHUR DIOXIDE & CARBON DIOXIDE		PER85499 for the control of Redback Spiders (table grapes)	Australia: Permit PER85499 Expiry date: 31/08/2027
TAU-FLUVALINATE	3A	Plague thrips	Australia: No current concerns.
TEBUFENOZIDE	18	Light brown apple moth (grapevines)	Australia: No current concerns. Codex MRL: 2 mg/Kg
TETRANILIPROLE	28	Apple weevil Fuller's rose weevil Garden weevil Grapevine moth Light brown apple moth Mediterranean fruit fly	Australia: No current concerns.
TRICHLORFON	1B	PER12439 for the control of Fruit Fly (table grapes)	Australia: APVMA nominated for reconsideration after 2029. Permit PER12439 Expiry date: 31/03/2026 EU: Not approved Canada: Cancelled USA: Under Registration Review (scheduled)

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FUNGICIDES – Disease Control

Active Constituent	MoA Group	Pest	Risks and Comments
AMETOCTRADIN + DIMETHOMORPH	45 + 40	Downy mildew (grapevines)	AMETOCTRADIN DIMETHOMORPH
AMISULBROM	21	Downy mildew (grapevines)	Australia: No current concerns.
AMISULBROM + COPPER	21 + M1	Downy mildew (grapevines)	AMISULBROM COPPER
AUREOBASIDIUM PULLULANS	--	Botrytis rot / grey mould	Australia: No current concerns.
AZOXYSTROBIN	11	Botrytis rot / grey mould Downy mildew Powdery mildew	Australia: No current concerns. Codex MRL: 2 mg/Kg Canada: In re-evaluation
AMETOCTRADIN + DIMETHOMORPH	45 + 40	Downy mildew (grapevines)	AMETOCTRADIN DIMETHOMORPH
AZOXYSTROBIN + TEBUCONAZOLE	11 + 3	Botrytis rot / grey mould Downy mildew Powdery mildew (grapevines)	AZOXYSTROBIN TEBUCONAZOLE
BACILLUS AMYLOLIQUEFACIENS	--	Botrytis rot / grey mould (grapevines)	Australia: No current concerns.
BLAD	BM01	Botrytis grey mould	Australia: No current concerns.
BOSCALID	7	Botrytis rot / grey mould Powdery mildew (grapevines)	Australia: No current concerns. Codex MRL: 5 mg/Kg Canada: In re-evaluation

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Active Constituent	MoA Group	Pest	Risks and Comments
CAPTAN	M4	Black spot / anthracnose Botrytis rot / grey mould Downy mildew Phomopsis cane and leaf spot (grapes)	Australia: No current concerns. Codex MRL: 25 mg/Kg
CHLOROTHALONIL	M5	Botrytis rot / grey mould Downy mildew Black spot / anthracnose	Australia: APVMA reconsideration. Prioritised to be commenced by 2028. Codex MRL: 3 mg/Kg EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)
COPPER	M1	Black spot / anthracnose Downy mildew Phomopsis cane and leaf spot Powdery mildew	Australia: No current concerns.
CYFLUFENAMID	U6	Powdery mildew (grapevines)	Australia: No current concerns.
CYPROCONAZOLE + IODOCARB	3 + 28	Eutypa dieback (grapevines)	Australia:
CYPRODINIL + FLUDIOXONIL	9 + 12	Botrytis rot/ grey mould (grapes except grapes grown for dried fruit production)	Australia:
DIFENOCONAZOLE	3	Powdery mildew	Australia: APVMA nominated for reconsideration after 2029. Codex MRL: 3 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation
DIMETHOMORPH	40	Downy mildew (grapevines)	Australia: No current concerns. Codex MRL: 3 mg/Kg EU: Not approved Canada: In re-evaluation
DITHIANON	M9	Black spot / anthracnose Downy mildew Phomopsis cane and leaf spot (grapevines)	Australia: No current concerns.

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Active Constituent	MoA Group	Pest	Risks and Comments
EUGENOL + GERANIOL + THYMOL	--	Grey mould / bunch rot	Australia:
FENHEXAMID	17	Botrytis rot / grey mould (grapevines)	Australia: No current concerns. Codex MRL: 15 mg/Kg
FENPYRAZAMINE	17	Botrytis rot / grey mould (wine grapes)	Australia: No current concerns. Codex MRL: 3 mg/Kg EU: Not approved
FLORYLPICOXAMID	21	Powdery mildew Grey mould (grapevines)	Australia: No current concerns. Codex MRL: 3 mg/Kg EU: Pending
FLUAZINAM	29	Eutypa dieback Phomopsis cane and leaf spot (grapevines)	Australia: No current concerns. Canada: In re-evaluation
FLUDIOXONIL + PYDIFLUMETOFEN	12 + 7	Botrytis rot / grey mould Powdery mildew (grapes, wine, table and dried fruit production)	Australia:
FLUOPYRAM + TEBUCONAZOLE	7 + 3	Botrytis rot / grey mould Powdery mildew	Australia:
FLUOXAPIPROLIN	49	Downy mildew (grapevines)	Australia: No current concerns. EU: Pending
HYDROGEN PEROXIDE + PEROXYACETIC ACID	--	Downy mildew Powdery mildew	Australia:
IPRODIONE	2	Botrytis rot / grey mould (grapes)	Australia: No current concerns. EU: Not approved USA: Under Registration Review (scheduled)

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Active Constituent	MoA Group	Pest	Risks and Comments
MANCOZEB	M3	Black spot / anthracnose Downy mildew Phomopsis cane and leaf spot Powdery mildew (grapevines)	Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved UK: Withdrawn (2024). USA: Under Registration Review (scheduled)
MANDIPROPAMID	40	Downy mildew (grapes)	Australia: No current concerns. Codex MRL: 2 mg/Kg Canada: In re-evaluation
MEFENTRIFLUCONAZOLE	3	Powdery mildew (grapes)	Australia: No current concerns. Canada: In re-evaluation
METALAXYL + MANCOZEB	4 + M3	Downy mildew (grapevines)	Australia:
METIRAM	M3	Black spot / anthracnose Downy mildew Phomopsis cane and leaf spot (grapevines)	Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved Canada: Only approved for foliar applications in potato crops.
METRAFENONE	50	Powdery mildew (grapevines)	Australia: No current concerns. Codex MRL: 5 mg/Kg
MYCLOBUTANIL	3	Powdery mildew (grapevines)	Australia: APVMA nominated for reconsideration after 2029. Codex MRL: 0.9 mg/Kg EU: Not approved UK: Withdrawn (2024). Canada: In re-evaluation
OXADIXYL + PROPINEB		Downy mildew (grapevines)	Australia:
PENCONAZOLE	3	Powdery mildew (grapes)	Australia: No current concerns. Codex MRL: 0.4 mg/Kg
PHOSPHONIC ACID		Downy mildew (grapes)	Australia: No current concerns.

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POLYOXIN D ZINC SALT	19	Botrytis rot / grey mould Powdery mildew (grapes including wine grapes, table grapes and dried fruit)	Australia: No current concerns.
POTASSIUM BICARBONATE	M2	Powdery mildew (grapevines)	Australia: No current concerns. Canada: In re-evaluation
PROQUINAZID	13	Powdery mildew (grapes)	Australia: No current concerns.
PYDIFLUMETOFEN	7	Powdery mildew (grapes including wine, table and dried fruit production)	Australia: No current concerns. EU: Pending Canada: In re-evaluation
PYDIFLUMETOFEN + FLUDIOXONIL	7 + 12	Botrytis bunch rot / grey mould (grapes including wine, table and dried fruit production)	Australia:
PYRACLOSTROBIN	11	Downy mildew Powdery mildew (grapevines)	Australia: No current concerns. Codex MRL: 2 mg/Kg Canada: In re-evaluation
PYRIMETHANIL	9	Botrytis rot / grey mould (grapevines)	Australia: No current concerns. Codex MRL: 4 mg/Kg Canada: In re-evaluation
PYRIOFENONE	50	Powdery mildew (grapevines)	Australia: No current concerns.
QUINOXYFEN	13	Powdery mildew (grapevines)	Australia: No current concerns. Codex MRL: 2 mg/Kg EU: Not approved Canada: Cancelled
SPIROXAMINE	5	Powdery mildew	Australia: No current concerns.
SULPHUR	M2	Powdery mildew	Australia: No current concerns. Canada: In re-evaluation

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TEA TREE OIL	BM01	Botrytis Powdery mildew (grapes)	Australia: No current concerns.
TEBUCONAZOLE	3	Botryosphaeria dieback Eutypa dieback Powdery mildew (grapevines)	Australia: APVMA: Removed from nomination list - maintain watching brief Codex MRL: 6 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation USA: Under Registration Review (scheduled)
THIRAM	M3	Black spot / anthracnose (grapes)	Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved Canada: Only approved for seed treatment.
TRIADIMENOL	3	Powdery mildew (grapevines)	Australia: APVMA nominated for reconsideration after 2029. Codex MRL: 0.3 mg/Kg EU: Not approved Canada: Cancelled
TRICHODERMA HARZIANUM	--	Eutypa dieback (grapevines)	Australia: No current concerns.
TRIFLOXYSTROBIN	11	Downy mildew (suppression) Powdery mildew (grapevines)	Australia: No current concerns. Codex MRL: 3 mg/Kg Canada: In re-evaluation
ZINEB	M3	Downy mildew (grapevines)	Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Not approved Canada: Cancelled
ZIRAM	M3	Black spot (grapes)	Australia: APVMA reconsideration. Prioritised to be commenced by 2027. EU: Approved, candidate for substitution. UK: Withdrawn (2024). Canada: Cancelled

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HERBICIDES – Weed Control

Active Constituent	MoA Group	Risks and Comments
AMITROLE	34	Australia: APVMA nominated for reconsideration after 2029. Codex MRL: 0.05 mg/Kg Canada: Cancelled
CARFENTRAZONE-ETHYL	14	Australia: No current concerns. Canada: In re-evaluation
FLUAZIFOP-P	1	Australia: No current concerns
GLUFOSINATE-AMMONIUM	10	Australia: Nominated for targeted spray drift reconsideration For use in vineyards Codex MRL: 0.15 mg/Kg EU: Not approved Canada: In re-evaluation
GLYPHOSATE	9	Australia: Nominated for targeted spray drift reconsideration USA: Under Registration Review (scheduled)
HALOXYFOP	1	Australia: No current concerns. Grapevines Codex MRL: 0.02 mg/Kg EU: Not approved
ISOXABEN	29	Australia: No current concerns. For use in vineyards
NORFLURAZON	12	Australia: No current concerns. EU: Not approved

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ORYZALIN	3	Australia: No current concerns. EU: Not approved UK: Withdrawn (2024).
OXYFLUORFEN	14	Australia: No current concerns. Grapevines EU: Approved, candidate for substitution. UK: Withdrawn (2024). Canada: In re-evaluation USA: Under Registration Review (scheduled)
PARAQUAT	22	Australia: APVMA: Currently under review. Publication of the final regulatory decision is expected in December 2025. Candidate chemical recommended to be listed to Rotterdam Convention. For use in vineyards Codex MRL: 0.01 mg/Kg EU: Not approved Canada: Cancelled USA: Restricted use
NONANOIC ACID	--	Australia: No current concerns. For use in vineyards
PENDIMETHALIN	3	Australia: No current concerns. Grapevines Codex MRL: 0.05 mg/Kg EU: Approved, candidate for substitution. Canada: In re-evaluation USA: Under Registration Review (scheduled)
QUIZALOFOP-P-ETHYL	1	Australia: No current concerns.
SIMAZINE	5	Australia: APVMA nominated for reconsideration after 2029. Grapevines EU: Not approved

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TRIFLURALIN	3	Australia: No current concerns. For use in vineyards EU: Not approved Canada: In re-evaluation USA: Under Registration Review (scheduled)

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)
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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R4	No current risk/concerns

Table grapes - Agrichemical Regulatory Risk Assessment

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