

## Olive Agrichemical Regulatory Risk Assessment

September 2023

Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 requiring 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 so as to ensure compliance, as a 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. As a consequence it is possible that 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 olives as well as current initiatives aimed at addressing identified pest management deficiencies.

## Olive Agrichemical Regulatory Risk Assessment

<b>R1</b>	<b>Short-term: Critical concern over retaining access</b>
<b>R2</b>	<b>Medium-term: Maintaining access of significant concern</b>
<b>R3</b>	<b>Long-term: Potential issues associated with use - Monitoring required</b>

Active Constituents	Chemical group	Problem	Comment
<b>INSECT AND OTHER PESTS</b>			
Acetamiprid + pyriproxifen		Olive lace bug (PER89943) Scale insects (PER89943)	Acetamiprid <a href="#">APVMA: Under review</a>
Alpha-cypermethrin	<b>3A</b>	Apple weevil(PER14791) Curculio beetle (PER14791) Cutworms (PER14791)	EU: Approval withdrawn, grace period expired December 2022 UK: Approval withdrawn
<i>B thuringiensis</i>	<b>11A</b>	Armyworms Cabbage white butterfly Grapevine moth Green looper Helicoverpa species Lightbrown apple moth Looper caterpillars Painted vine moth Soybean looper Tobacco looper Twig (pear) looper	EU: Under review for renewal
Bifenthrin	<b>3A</b>	Termites (Tree establishment, non-fruit bearing)	Canada: Not authorised EU: Not authorised
Botanical oil	<b>UNE</b>	Black (Brown olive) scale	

Active Constituents	Chemical group	Problem	Comment
Chlorpyrifos	1B	African black beetle(PER14575)	<a href="#">APVMA: Under review</a> Codex: All MRLs revoked Canada: Cancellation of all uses. EU: No authorisation in place USA: EPA decision to cancel use on food crops
		Ants (PER14575)	
		Lightbrown apple moth (PER14575)	
Clothianidin	4A	Olive lace bug (PER14897)	<a href="#">APVMA: Under review</a> Canada: Field uses cancelled or amended EU: Not authorised USA: Re-registration with new risk mitigation measures
Dimethoate	1B	Green vegetable bug (PER13999)	Codex: No MRL. EU: Not authorised
		Olive lace bug (PER13999)	
		Rutherglen bug (PER13999)	
		Fruit fly orchard clean-up following harvest (PER13859)	
Esfenvalerate	3A	Olive lace bug (PER86677)	EU: Candidate for substitution
Fatty acids - K salt	UNE	Olive lace bug (PER14414)	
Fenoxycarb	7B	Black (Brown olive) scale	EU: No authorisation in place
Fipronil lure traps	2B	Lesser Queensland fruit fly	<a href="#">APVMA: Under review</a> Codex: Re-evaluation completed, many MRLs withdrawn EU: No authorisation in place USA: Under review
		Queensland fruit fly	
Flupyradifurone	4D	Black scale	EU: Under review
		Olive lace bug	
Indoxacarb	22A	Red imported fire ant	Canada: No authorisation EU: No authorisation UK: No authorisation
Paraffinic oil	UN	Black (Brown olive) scale	
		Olive parlatoria scale	
		Red scale	
		Scale insects	
		Soft brown scale	

Active Constituents	Chemical group	Problem	Comment
Pyrethrins	<b>3A</b>	Ants	Canada: Under review
		Brown marmorated stink bug	
		Caterpillars	
		Earwigs	
		Leafhoppers	
		Yellow spotted stink bug	
		Olive lace bug (PER81870)	
Pyriproxyfen	<b>7C</b>	Ants	
		Ants	
		Black (Brown olive) scale	
S-methoprene	<b>7A</b>	Red imported fire ant	EU: No authorisations
Spinosad	<b>5</b>	Mediterranean fruit fly	
		Queensland fruit fly	
		Fruit fly baits	

Active Constituents	Chemical group	Problem	Comment
<b>DISEASES</b>			
Azoxystrobin	<b>11</b>	Anthracnose	Canada: Review proposed
Copper	<b>M1</b>	Anthracnose	EU: Candidates for substitution
		Blue & green moulds	
		Fruit rot - Cladosporium	
		Leaf mould (Olive leaf spot)	
		Phomopsis fruit rot	
		Fruit rot/spots	
		Fruit round rot	
		Fusarium fruit rot	
		Geotrichum fruit rot/s	
		Peacock spot	
Alternaria fruit rot			
Fluopyram + tebuconazole	<b>7 + 3</b>	Anthracnose	Tebuconazole <a href="#">APVMA: nominated for review</a> EU: Candidate for substitution
Mancozeb	<b>M3</b>	Anthracnose (PER88358)	<a href="#">APVMA: nominated for review</a> Canada: Many uses cancelled Codex: To be reviewed 2024/25 EU: Authorisation not renewed
Metiram + pyraclostrobin	<b>M3 + 11</b>	Anthracnose (PER87332)	<a href="#">APVMA: nominated for review</a> Canada: All foliar uses, except potato, cancelled Codex: To be reviewed 2024/25 EU: Under review

Active Constituents	Chemical group	Comment
<b>WEEDS</b>		
Carfentrazone-ethyl	<b>14</b>	
Clethodim (Non-bearing trees)	<b>1</b>	
Diquat (PER85411)	<b>22</b>	<a href="#">APVMA: Currently under review</a> EU: No authorisation
Flazasulfuron	<b>2</b>	
Fluazifop-P (PER92476)	<b>1</b>	
Flumioxazin	<b>14</b>	EU: Candidate for substitution
Glufosinate-ammonium	<b>10</b>	Canada: Review proposed EU: No authorisation in place
Glyphosate	<b>9</b>	Ongoing issues internationally EU: Under review
Oryzalin	<b>3</b>	EU: No authorisations
Oxyfluorfen	<b>14</b>	EU: Candidate for substitution USA: Interim review decision Label amendments proposed
Paraquat (PER85411)	<b>22</b>	<a href="#">APVMA: Currently under review</a> Canada: Review initiated EU: No authorisation in place Rotterdam Convention - nomination
Pendimethalin	<b>3</b>	EU: Candidate for substitution
<b>Plant growth regulators</b>		
Ethephon (PER14460)		

**Funding statement:** 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 MT20007 – 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 MT20007 – 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 2023

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