

March 2024

Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 with changed data requirements. A consequence of which can be that many agrichemicals are not meeting contemporary risk assessment standards as the necessary data is unavailable, or where data is available, the refined 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 the growing of artichokes, as well as current initiatives aimed at addressing identified pest management deficiencies.

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

Active Constituents	Chemical	Problem	Comment
	Group	INSECT AN	D OTHER PESTS
Afidopyropen	9D	Cabbage aphid Cotton aphid Currant lettuce aphid Green peach aphid	EU: No authorisations UK: No authorisations
Bacillus thuringiensis	11C	Silverleaf white fly (suppression) Caterpillars	EU: Under review
Chlorpyrifos	18	Cutworms Field crickets Mole crickets Spotted vegetable weevil Vegetable weevil Wingless grasshopper	APVMA: Proposed deletion of uses. Codex: All Codex MRLs deleted Canada: Cancellation of all uses. EU: No authorisation UK: No authorisations USA: EPA decision to cancel use on food crops
Cyromazine	17	Leafminer(PER81867)	EU: No authorisation in place
Diazinon	18	Caterpillars Webworms	APVMA: Proposed deletion of uses EU: No authorisation UK: No authorisations Codex: MRLs deleted

Active Constituents	Chemical Group	Problem	Comment
Flubendiamide	28	Helicoverpa spp.	EU: Authorisation expiry August 2024
Helicoverpa NPV	31	Helicoverpa spp.	
Methiocarb	1A	Snails and slugs	Canada: No authorisation EU: No authorisation
Pirimicarb	1A	Aphids	Codex: JMPR re-evaluation scheduled EU: Candidate for substitution
Potassium salts of fatty acids	U1	Aphids	
		Thrips	
		Mites	
		Whitefly	
Propargite	12C	Mites	APVMA: nominated for review
			EU: No authorisations
			UK: No authorisations
			USA: Under review
Pyrethrins	3A	Ants	Canada: Under review
		Aphids	
		Caterpillars	
		Leafhoppers	
		Whiteflies	

Active Constituents	Chemical Group	Problem	Comment
Pyriproxyfen	7C	Fire ants (PER87728)	
Spinetoram	5	Caterpillars	EU: Approval expiry June 2024
		Helicoverpa spp.	
		Leafminers (PER91155)	
Spinosad	5	Leafminer(PER90928)	
Sulphur	UN	Mites	
Trichlorfon		Cabbage moth	APVMA: nominated for review Codex: No MRLs EU/UK: No authorisations USA: No MRLs
		Cabbage white butterfly	
		Green vegetable bug	
		Rutherglen bug	

Active Constituents	Chemical	Problem	Comment	
	Group			
	DISEASES			
Chlorothalonil	M5	Grey mould	APVMA: nominated for review Canada: Cancellation of uses proposed EU/UK: No authorisation in place USA: Under review	
Copper	M1	Leaf diseases/spots Rust	EU: Candidate for substitution	
Hydrogen peroxide + peroxyacetic acid	М	Bactericide		
Sulphur	M2	Rust		
Thiram	М3	Damping off	APVMA: nominated for review Canada: Cancelled all foliar uses Codex: To be reviewed EU/UK: No authorisation	

Active Constituents	Chemical	Comment
	Group	
WEEDS		
Diquat	22	APVMA: Currently under review
		EU/UK: No authorisation in place
Paraquat	22	APVMA: Currently under review
		Canada: Review initiated
		EU/UK: No authorisation in place
		Rotterdam Convention - nomination
Propyzamide	3	

Funding statement: MT20007 - 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 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 2024 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: <u>communications@horticulture.com.au</u> Phone: 02 8295 2300