

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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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

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

Active Constituents	Chemical Group	Problem	Comment
<b>INSECT AND OTHER PESTS</b>			
Afidopyropen	<b>9D</b>	Cabbage aphid	EU: No authorisations
		Cotton aphid	
		Currant lettuce aphid	
		Green peach aphid	
		Silverleaf white fly (suppression)	
<i>Bacillus thuringiensis</i>	<b>11C</b>	Caterpillars	EU: Under review for renewal
Chlorpyrifos	<b>1B</b>	Cutworms	<a href="#">APVMA: Under review</a> Codex: All Codex MRLs deleted Canada: Cancellation of all uses. EU: No authorisation in place USA: EPA decision to cancel use on food crops
		Field crickets	
		Mole crickets	
		Spotted vegetable weevil	
		Vegetable weevil	
		Wingless grasshopper	
Cyromazine	<b>17</b>	Leafminer(PER81867)	EU: No authorisation in place
Diazinon	<b>1B</b>	Caterpillars	<a href="#">APVMA: Under review</a> EU: No authorisation in place Codex: Withdrawal of Codex MRLs recommended
		Webworms	

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

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Active Constituents	Chemical Group	Problem	Comment
Pyriproxyfen	7C	Ants (PER87728)	
Spinetoram	5	Caterpillars	
		Helicoverpa spp.	
Spinosad	5	Leafminer(PER90928)	
Sulphur	UN	Mites	
Trichlorfon	1B	Cabbage moth	<a href="#">APVMA: nominated for review</a>
		Cabbage white butterfly	Codex: No MRLs
		Green vegetable bug	EU: No authorisations
		Rutherglen bug	USA: No MRLs

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Active Constituents	Chemical Group	Problem	Comment
<b>DISEASES</b>			
Chlorothalonil	M5	Grey mould	<a href="#">APVMA: nominated for review</a> Canada: Cancellation of uses proposed EU: No authorisation in place USA: Under review
Copper	M1	Leaf diseases/spots Rust	EU: Candidate for substitution
Hydrogen peroxide + peroxyacetic acid	M	Bactericide	
Sulphur	M2	Rust	
Thiram	M3	Damping off	<a href="#">APVMA: nominated for review</a> Canada: Cancelled all foliar uses Codex: To be reviewed 2024/25 EU: No authorisation in place

Active Constituents	Chemical Group	Comment
<b>WEEDS</b>		
Diquat	22	<a href="#">APVMA: Currently under review</a> EU: No authorisation in place
Paraquat	22	<a href="#">APVMA: Currently under review</a> Canada: Review initiated EU: No authorisation in place Rotterdam Convention - nomination
Propyzamide	3	

## Artichoke Agrichemical Regulatory Risk Assessment

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