

Pineapple Agrichemical Regulatory Risk Assessment

September 2023

Regulatory pressures on farm chemicals are increasing globally, with many being either restricted or withdrawn from use. For older compounds 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 chemicals 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 farm chemicals 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 its use in the exporting country to ensure compliance, as breaches of MRLs would adversely affect market access.

The effects of the above are greater pressure placed on the availability and use of individual chemicals or chemical groups. As a consequence it is possible that the number of approved farm chemical options could be adversely impacted.

To assist strategic planning with respect to future pest management needs the following tables have been developed to highlight the regulatory threats to the chemicals currently approved for the management of the pests and diseases in pineapples as well as current initiatives aimed at addressing identified pest management deficiencies.

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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 group	Problem	Comments
1,3-dichloropropene	-	Nematodes	EU: No authorisation
Abamectin	6	Pineapple flat mite (PER81805)	APVMA: Nominated for spray drift label review Canada: Uses amended EU: Use restricted to permanent greenhouses
Bifenthrin	3A	Symphylids	Canada: Not authorised EU: Not authorised
Chlorpyrifos	1B	Ants	APVMA: Under review
		Pineapple Mealybug/Mealybug	Codex: MRLs revoked
		Pineapple scale	Canada: Cancellation of all uses.
		White grubs	EU: No authorisation in place USA: EPA decision to cancel use on food crops
Diazinon	1B	Pineapple Mealybug/Mealybug	APVMA: Under review
		Pineapple scale	EU: No authorisation in place Codex: Withdrawal of Codex MRLs recommended
Dimethoate	1B	Pineapple flat mite(PER87066)	Codex: No MRL
		Pineapple red mite(PER87066)	EU: Not authorised
Ethyl formate (Po)		Pineapple flat mite	EU: No authorisation in place
		Pineapple scale	
Spinetoram	5	Leafroller, Loopers	
Spirotetramat	23	Pineapple Mealybug/Mealybug	
Sulfoxaflor	4C	Banana spotting bug	USA: Pollinator concerns
		Fruit spotting bug	EU: Restricted to permanent glasshouses only
		Pineapple Mealybug/Mealybug	
Trichlorfon	1B	Fruit fly (PER12450)	APVMA: nominated for review Codex: No MRLs EU: No authorisations USA: No MRLs

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Active Constituents	Chemical Group	Problem	Comments
DISEASES			
Fludioxonil	12	Blue & green moulds	EU: Under review & Candidate for substitution
Fosetyl-Al	33	Phytophthora heart & root rot	Canada: Under review
Iodine	M	Bactericide	
Metalaxyl/metalaxyl-M	4	Phytophthora heart & root rot	<u>Metalaxyl</u> EU: Candidate for substitution <u>Metalaxyl-M</u> EU: Restricted use approval
Phosphorous acid	33	Phytophthora heart & root rot (PER83873)	
Prochloraz	3	Water blister	Codex: Periodic re-evaluation scheduled EU: No authorisation
Propiconazole	3	Base or butt rot	APVMA: nominated for review EU: No authorisations USA: Under review

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Active Constituents	Chemical Group	Comments
WEEDS		
Ametryn	5	EU: No authorisation in place
Bromacil	5	EU: No authorisation in place
Carfentrazone-ethyl	14	
Diuron (PER81856)	5	EU: No authorisation in place USA: Under review revocation proposed
Fluazifop-P	1	
Fluometuron	5	EU: Candidate for substitution
Glufosinate	10	Canada: Review proposed EU: No authorisation in place
Glyphosate	9	Ongoing issues internationally EU: Under review
Haloxyfop-P	1	EU: No authorisation in place
Isoxaflutole	27	
Metribuzin	5	Canada: Under review EU: Candidate for substitution
Quizalofop-P	1	Canada: Under re-evaluation EU: Candidate for substitution
PLANT GROWTH REGULATORS		
Ethephon (PER14953)		
Chlorflurenol-methyl		EU: No authorisation

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