

Green pea Agrichemical Regulatory Risk Assessment

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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 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 green peas 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
INSECT AND OTHER PESTS			
Abamectin	6	Vegetable leafminer(PER81876)	APVMA: Nominated for spray drift label review Canada: Some uses amended EU: Use restricted to permanent greenhouses
B. thuringiensis	11A	Caterpillars	EU: Under review for renewal
Chlorantraniliprole	28	Helicoverpa	
Chlorpyrifos	1B	Black field cricket	APVMA: Proposed deletion of uses Codex: All MRLs revoked Canada: Cancellation of all uses. EU/UK: No authorisation in place USA: EPA decision to cancel use on food crops
		Cutworms	
		Field crickets	
		Mole crickets	
		Spotted vegetable weevil	
		Vegetable weevil	
		Wingless grasshopper	
		Australian plague locust(PER11843)	
		Migratory locust(PER11843)	
		Spur-throated locust(PER11843)	
Cyromazine	17	Vegetable leafminer (PER81867)	EU/UK: No authorisation
Diazinon	1B	Caterpillars	APVMA: Proposed deletion of uses EU/UK: No authorisation in place Codex: Codex MRLs deleted
		Cutworms	

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Active Constituents	Chemical Group	Problem	Comments
Dimethoate	1B	Aphids	Codex: No MRL EU/UK: Not authorised
		Bean fly	
		Cowpea aphid	
		Green vegetable bug	
		Jassids	
		Leafhoppers	
		Mites	
		Redlegged earth mite	
		Spider mites (Red spider)	
		Thrips	
		Wingless grasshopper	
Emamectin benzoate	6	Cluster caterpillar	EU: Candidate for substitution
		Helicoverpa	
		Looper caterpillars	
Esfenvalerate	3A	Helicoverpa	EU: Candidate for substitution
Helicoverpa NPV	31	Helicoverpa	
Malathion/Maldison	1B	Pea weevil	APVMA: Under review Codex: Re-evaluation scheduled for 2025/26 EU: Restricted use to permanent greenhouses
		Australian plague locust(PER11843)	
		Migratory locust(PER11843)	
		Spur-throated locust(PER11843)	

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Active Constituents	Chemical Group	Problem	Comments
Methomyl	1A	Australian cabbage looper	APVMA: nominated for review Canada: Re-evaluation completed. Majority of uses removed EU/UK: No authorisations in place USA: Under review
		Cluster caterpillar(PER82428)	
		Cucumber moth (PER82428)	
		Green vegetable bug	
		Helicoverpa(PER82428)	
		Looper caterpillars(PER82428)	
		Pea thrips	
		Rutherglen bug(PER82428)	
		Thrips(PER82428)	
		Webworms(PER82428)	
		Western flower thrips(PER82428)	
Permethrin	3A	Helicoverpa	Codex: Re-evaluation scheduled. Support uncertain EU/UK: No authorisation
Pirimicarb	1A	Aphids	Codex: JMPR re-evaluation scheduled EU: Candidate for substitution
Pyrethrins	3A	Rutherglen bug	Canada: Under review
Spinetoram	5	Caterpillars	
		Helicoverpa	
		Looper caterpillars	
		Western flower thrips	
Spinosad	5	Helicoverpa	
		Looper caterpillars	
		Western flower thrips	
		Fall armyworm(PER89870)	

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Active Constituents	Chemical Group	Problem	Comments
Spirotetramat	23	Green peach aphid	
Spodoptera (NPV)	31	Fall armyworm(PER90820)	
Spodoptera (MNPV)	31	Fall armyworm(PER91477)	
Trichlorfon	1B	Cutworms	APVMA: nominated for review Codex: No MRLs EU/UK: No authorisations USA: No MRLs

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Active Constituents	Chemical Group	Problem	Comments
DISEASES			
Azoxystrobin	11	Leaf spot	Canada: Review proposed
Boscalid	7	Sclerotinia rot	Canada: Review initiated
Chlorothalonil	M5	Downy mildew	APVMA: nominated for review Canada: Cancellation of uses proposed EU/UK: No authorisation in place USA: Under review
		Black spot(PER82895)	
Copper	M1	Ascochyta blight	EU: Candidates for substitution
		Bacterial blight	
		Leaf & pod spot	
		Powdery mildew	
Cyprodinil + fludioxonil	9 + 12	Sclerotinia rot	<u>Cyprodinil</u> Canada: Under review EU: Candidate for substitution <u>Fludioxonil</u> EU: Under review & Candidate for substitution
Mancozeb	M3	Angular leaf spot	APVMA: nominated for review Canada: Many uses cancelled Codex: To be reviewed EU/UK: No authorisation
		Anthracnose	
		Ascochyta blight	
		Chocolate spot (Grey mould)	
		Leaf blight	
		Rust	
		Blight (Peas)	
		Downy mildew	
		Powdery mildew	

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Active Constituents	Chemical Group	Problem	Comments
Sulfur	M2	Powdery mildew	
Tebuconazole	3	Powdery mildew	APVMA: nominated for review Canada: Under review EU: Candidate for substitution USA: Under review
Thiabendazole + Thiram (ST)	1 + M3	Pythium root rot	<u>Thiram</u> APVMA: nominated for review Canada: All foliar uses cancelled Codex: To be reviewed EU/UK: No authorisation in place
Triadimefon	3	Powdery mildew	APVMA: nominated for review EU/UK: No authorisation in place USA: Under review. Proposed use restrictions on turf and ornamentals
Zineb	M3	Downy mildew	APVMA: nominated for review Codex: To be reviewed EU/UK: No authorisation in place

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Active Constituents	Chemical Group	Comment
WEEDS		
Bentazone (PER14896)	6	
Chlorthal-dimethyl	3	EU/UK: No authorisation in place
Clethodim	1	Codex: MRLs proposed for deletion
Cyanazine	5	APVMA: nominated for review EU/UK: No authorisation in place
Diclofop-methyl	1	EU: Candidate for substitution
Diflufenican	12	EU: Candidate for substitution
Dimethenamid-P	15	
Diquat	22	APVMA: Currently under review EU/UK: No authorisation in place
Fluazifop-P	1	
MCPA	4	
Metribuzin	5	EU: Candidate for substitution
Quizalofop-P	1	Canada: Under re-evaluation EU: Candidate for substitution
Sethoxydim	1	EU/UK: No authorisation in place
Terbutryn	5	EU/UK: No authorisation in place
Tri-allate	15	EU: Candidate for substitution
Trifluralin	3	EU/UK: No authorisation in place

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.

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