

Snow peas and Sugar snap peas 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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 snow peas and sugar snap 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	
INSECT AND OTHER PESTS			
Abamectin	6	Two-spotted (Red spider) mite	APVMA: Nominated for spray drift label review Canada: Some uses amended, others cancelled EU: Use restricted to permanent greenhouses ¹
Bifenazate	20D	Bryobia mite (PER80558)	Canada: Under review EU: Use restricted to non-edible crops in permanent greenhouses
		European red mites (PER80558)	
		Tomato red spider mite (PER80558)	
		Two-spotted (Red spider) mite (PER80558)	
Chlorantraniliprole	28	Helicoverpa	
Chlorpyrifos	1B	Australian plague locust	APVMA: Under review . Codex: All MRLs revoked Canada: Cancellation of all uses. EU: No authorisation in place USA: EPA decision to cancel use on food crops
		Black field crickets/Field crickets	
		Cutworms	
		Migratory locust	
		Mole crickets	
		Spotted vegetable weevil	
		Spur-throated locust	
		Vegetable weevil	
		Wingless grasshopper	
		African black beetle(PER14583)	
		False wireworm/wireworm(PER14583)	
Deltamethrin	3A	Loopers	
Diazinon	1B	Caterpillars	APVMA: Under review EU: No authorisation in place Codex: Withdrawal of Codex MRLs recommended
		Cutworms	

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Active Constituents	Chemical Group	Problem	
Dimethoate	1B	Aphids	Codex: No MRL EU: Not authorised
		Bean fly	
		Cowpea aphid	
		Green vegetable bug	
		Jassids	
		Leafhoppers	
		Mites	
		Redlegged earth mite	
		Thrips	
		Wingless grasshopper	
Emamectin benzoate	6	Cluster caterpillar	EU: Candidate for substitution
		Helicoverpa	
		Loopers	
		Fall armyworm(PER89263)	
Etoxazole	10B	Two-spotted mite	EU: Use on greenhouse ornamentals & Candidate for substitution
Helicoverpa NPV	31	Helicoverpa	
Hexythiazox	10A	Two-spotted mite(PER14765)	
Imidacloprid	4C	Greenhouse whitefly(PER10938)	APVMA: Under review Canada: Field uses cancelled or amended EU: No authorisation USA: Re-registration with new risk mitigation measures
Lambda-cyhalothrin	3A	Cutworms(PER14033)	EU: Candidate for substitution
		Pasture webworm(PER14033)	
		Rutherglen bug(PER14033)	
		Thrips(PER14033)	
Maldison/Malathion	1B	Australian plague locust	APVMA: Under review Codex: Re-evaluation scheduled for 2025/26 EU: Restricted use to permanent greenhouses USA: Under review, label use patterns amended
		Migratory locust	
		Pea weevil	
		Redlegged earth mite	
		Spur-throated locust	

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Active Constituents	Chemical Group	Problem	
Methomyl	1A	Australian cabbage looper	APVMA: nominated for review Canada: Re-evaluation completed. Majority of uses removed EU: No authorisations in place USA: Under review
		Green vegetable bug	
		Cluster caterpillar (PER82428)	
		Cucumber moth (PER82428)	
		Helicoverpa (PER82428)	
		Loopers (PER82428)	
		Rutherglen bug (PER82428)	
		Thrips (PER82428)	
		Webworms (PER82428)	
Western flower thrips (PER82428)			
Methoxyfenozide	18	Cluster caterpillar(PER80954)	EU: Proposed restricted authorisation & Candidate for substitution
		Helicoverpa(PER80954)	
		Tomato grub(PER80954)	
Omethoate	1B	Redlegged earth mite	Codex: No MRLs Canada: No authorisations EU: No authorisations USA: No authorisations
Petroleum oil	UNM	Aphids(PER12221)	
		Green mirid(PER12221)	
		Green vegetable bug(PER12221)	
		Grey cluster bug(PER12221)	
		Leafhoppers(PER12221)	
		Mites(PER12221)	
		Thrips(PER12221)	
Rutherglen bug(PER12221)			
Pirimicarb	1A	Aphids	Codex: JMPR re-evaluation scheduled EU: Candidate for substitution
Pymetrozine	9B	Pea aphid (PER14892)	Canada: Restricted use to glasshouses only Codex: No registrant support EU: Not authorised
		Potato aphid (PER14892)	
		Cowpea aphid (PER14892)	

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Active Constituents	Chemical Group	Problem	
Spinetoram	5	Caterpillars	
		Helicoverpa	
		Loopers	
		Western flower thrips	
		Leaf miner (Liriomyza spp.) (PER87878)	
Spinosad	5	Helicoverpa	
		Loopers	
		Western flower thrips	
		Fall armyworm (PER89870)	
		Leaf miner (Liriomyza spp.) (PER90928)	
Spirotetramat	23	Green peach aphid	
		Silverleaf (Poinsettia) whitefly	
		Leaf miner (Liriomyza spp.) (PER88640)	
Spodoptera (NPV)	31	Fall armyworm (PER90820)	
Spodoptera (MNPV)	31	Fall armyworm (PER91477)	
Trichlorfon	1B	Cutworms	APVMA: nominated for review Codex: No MRLs EU: No authorisations USA: No MRLs

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Active Constituents	Chemical Group	Problem	Comments
DISEASES			
Azoxystrobin	11	Botrytis (Chocolate spot/Grey mould) Leaf spot	Canada: Review proposed
Boscalid	7	Sclerotinia rot	Canada: Review initiated
Chlorothalonil	M5	Ascochyta rot complex Botrytis (Chocolate spot/Grey mould) (PER82895) Downy mildew(PER82895)	APVMA: nominated for review Canada: Cancellation of uses proposed EU: No authorisation in place USA: Under review
Copper	M1	Ascochyta blight Powdery mildew Bacterial blight/Spot (PER14038) Black spot (PER14038) Downy mildew (PER14038) Leaf and pod spot (PER14038)	EU: Candidates for substitution
Cyprodinil + fludioxonil	9 + 12	Botrytis (Chocolate spot/Grey mould) Sclerotinia rot	<u>Cyprodinil</u> Canada: Under review EU: Candidate for substitution <u>Fludioxonil</u> EU: Under review, & candidate for substitution
Dimethomorph + mancozeb	40 + M3	Downy mildew(PER14470)	<u>Dimethomorph</u> EU: Under review <u>Mancozeb</u> APVMA: nominated for review Canada: Many uses cancelled Codex: To be reviewed 2024/25 EU: Authorisation not renewed
Fenhexamid	17	Botrytis (Chocolate spot/Grey mould)	

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Active Constituents	Chemical Group	Problem	Comments
Iprodione	2	Botrytis (Chocolate spot/Grey mould) (PER81589)	Canada: Majority of food crop uses deleted Codex: Under review EU: No authorisation in place USA: Proposed deletion or restriction of uses
		Sclerotinia rot(PER81589)	
Mancozeb	M3	Angular leaf spot	APVMA: nominated for review Canada: Many uses cancelled Codex: To be reviewed 2024/25 EU: Authorisation not renewed
		Anthracnose	
		Ascochyta blight	
		Blight	
		Botrytis (Chocolate spot/Grey mould)	
		Downy mildew	
		Leaf blight	
		Powdery mildew	
		Rust	
Metalaxyl-M	4	Downy mildew(PER82456)	EU: Restricted use approval
Potassium bicarbonate	M2	Powdery mildew(PER13695)	
Pyrimethanil	9	Botrytis (Chocolate spot/Grey mould) (PER14505)	Canada: Review initiated
Spiroxamine	5	Powdery mildew(PER11764)	
Sulfur	M2	Blight	
		Rust	
Tebuconazole	3	Powdery mildew	APVMA: nominated for review Canada: Under review EU: Candidate for substitution USA: Under review
Triadimefon	3	Powdery mildew	APVMA: nominated for review EU: 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 2024/25 EU: No authorisation in place

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Active Constituents	Chemical Group	Comment
WEEDS		
Bentazone (PER10976)	6	
Chlorthal-dimethyl	3	EU: No authorisation in place
Clethodim	1	Codex: MRLs proposed for deletion
Cyanazine (PER10988)	5	APVMA: nominated for review EU: No authorisation in place
Diclofop-methyl	1	
Diquat	22	APVMA: Currently under review EU: No authorisation in place
Fluazifop-P	1	
Glufosinate (PER88349)	10	Canada: Review proposed EU: No authorisation in place
Glyphosate (PER13901)	9	Ongoing issues internationally EU: Under review

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