

## Spring onion/Shallot 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Regulatory pressures on agrichemicals are increasing globally, with many being either restricted or withdrawn from use.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 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 prohibiting the 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 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 spring onions and shallots as well as current initiatives aimed at addressing identified pest management deficiencies.

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

Active Constituents	Chemical Group	Problem	Comments
<b>INSECT AND OTHER PESTS</b>			
Abamectin	<b>6</b>	Two-spotted mite	APVMA: Nominated for spray drift label review Canada: Some uses amended, others cancelled EU: Use restricted to permanent greenhouses
		Vegetable leafminer (PER81876)	
Alpha-cypermethrin	<b>3A</b>	Onion thrips(PER14457)	EU: No authorisation UK: No authorisation
		Red-legged earth mite(PER14457)	
Chlorpyrifos	<b>1B</b>	Black field crickets	<a href="#">APVMA: Under review</a> Codex: All Codex MRLs revoked Canada: Cancellation of all uses. EU: No authorisation in place USA: EPA decision to cancel use on food crops
		Cutworms	
		Field crickets	
		Mole crickets	
		Spotted vegetable weevil	
		Vegetable weevil	
Cyantraniliprole	<b>28</b>	Onion thrips	
		Vegetable leafminer (PER90387)	
Diazinon	<b>1B</b>	Onion seedling maggot	<a href="#">APVMA: Under review</a> EU: No authorisation in place Codex: Withdrawal of Codex MRLs recommended
		Thrips (PER82551)	
Flonicamid	<b>29</b>	Onion thrips (PER89185)	
		Western flower thrips (PER89185)	
Lambda-cyhalothrin	<b>3A</b>	Looper caterpillars (PER14471)	EU: Candidate for substitution
		Onion seedling maggot (PER14471)	
		Onion thrips (PER14471)	
		Plague thrips (PER14471)	
		Red-legged earth mite (PER14471)	
		Rutherglen bugs (PER14471)	

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Active Constituents	Chemical Group	Problem	Comments
Malathion/Maldison	1B	Onion thrips(PER13653)	<a href="#">APVMA: Under review</a> Codex: Re-evaluation scheduled EU: Use restricted to permanent greenhouses USA: Under review, label use patterns amended
Methomyl	1A	Western flower thrips(PER14890)	<a href="#">APVMA: nominated for review</a> Canada: Re-evaluation completed. Majority of uses removed EU: No authorisations in place USA: Under review
Petroleum oil	UNM	Aphids(PER12221)	
		Green mirid(PER12221)	
		Green vegetable bug(PER12221)	
		Grey cluster bug(PER12221)	
		Leafhoppers(PER12221)	
		Mites(PER12221)	
		Rutherglen bugs(PER12221)	
Thrips(PER12221)			
Phorate	1B	Aphids (PER8930)	<a href="#">APVMA: nominated for review</a> Canada: Under review EU: No authorisation in place
		Jassids (PER8930)	
		Mites (PER8930)	
		Onion seedling maggot (PER8930)	
		Thrips (PER8930)	
Pirimicarb	1A	Aphids	Codex: JMPR re-evaluation scheduled EU: Candidate for substitution
		Green peach aphid	
		Onion aphid	
Spinetoram	5	Onion thrips	
		Western flower thrips	
Spirotetramat	23	Onion thrips	
		Plague thrips	
		Tomato thrips	
		Western flower thrips	

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<b>DISEASES</b>			
Ametoctradin + dimethomorph	<b>45 + 40</b>	Downy mildew	<u>Dimethomorph</u> EU: Under review
Azoxystrobin	<b>11</b>	White rot	Canada: Review proposed
Chlorothalonil	<b>M5</b>	Purple blotch	<a href="#">APVMA: nominated for review</a>
		Botrytis grey mould (PER82895)	Canada: Cancellation of uses proposed
		Downy mildew (PER82895)	EU: No authorisation in place USA: Under review
Copper	<b>M1</b>	Downy mildew (PER14842)	EU: Candidate for substitution
Cyprodinil +fludioxonil	<b>9 + 12</b>	Black mould	<u>Cyprodinil</u> Canada: Under review
		Botrytis grey mould	EU: Candidate for substitution <u>Fludioxonil</u> EU: Under review, & candidate for substitution
Dimethomorph	<b>40</b>	Botrytis rot(PER14473)	EU: Under review
		Downy mildew(PER14473)	
		Purple blotch(PER14473)	
Fluopicolide	<b>43</b>	Downy mildew	EU: Candidate for substitution
Mancozeb	<b>M3</b>	Purple blotch	<a href="#">APVMA: nominated for review</a>
		Botrytis rot(PER14473)	Canada: Many uses cancelled
		Downy mildew (PER14473)	Codex: To be reviewed 2024/25 EU: Authorisation not renewed
Metalaxyl/metalaxyl-M	<b>4</b>	Downy mildew	<u>Metalaxyl</u> EU: Candidate for substitution <u>Metalaxyl-M</u> EU: Restricted use approval
Oxathiapiprolin	<b>49</b>	Downy mildew	
Penthiopyrad	<b>7</b>	Botrytis blight	
		Purple blotch	
Peroxyacetic acid	<b>M</b>	Downy mildew	
		Neck and bulb rot	

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Active Constituents	Chemical Group	Problem	Comments
Phosphorous acid	<b>33</b>	Downy mildew(PER13698)	
Propamocarb-HCl	<b>28</b>	Downy mildew	
Triadimenol	<b>3</b>	White rot(PER14906)	<a href="#">APVMA: nominated for review</a> Canada: No authorisation in place EU: No authorisation in place USA: Registration cancelled

Active Constituents	Chemical Group	Comment
<b>WEEDS</b>		
Clethodim (PER82459)	<b>1</b>	Codex: MRLs proposed for deletion
Chlorthal-dimethyl	<b>3</b>	EU: No authorisation in place
Fluazifop-P (PER82556)	<b>1</b>	
Glyphosate	<b>9</b>	Ongoing issues internationally EU: Under review
loxynil	<b>6</b>	EU: No authorisation in place
Linuron (PER89645)	<b>5</b>	Canada: Cancellation of many uses EU: No authorisation in place
Methabenzthiazuron (PER14742)	<b>5</b>	EU: No authorisation in place
Metolachlor/ S-metolachlor	<b>15</b>	<u>Metolachlor:</u> EU: No authorisation <u>S-metolachlor:</u> EU: Proposed non-renewal
Propachlor (PER12008)	<b>15</b>	EU: No authorisation in place

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