

Crop(s) **Lettuce**
Disease(s) **Downy mildew**

Resistance management strategy for:

Group 4	Phenylamides (PA);
Group 28 + 43	Carbamates + benzamides;
Group 40	Carboxylic acid amides (CAA);
Group 45 + 40	Quinone outside inhibitors, stigmatellin binding type (QoSI) + CAA;
Group 49	Oxysterol binding protein inhibitors (OSBPI); and
Group 49 + 11	OSBPI + quinone outside inhibitors (QoI).

Guidelines

- Applications made within the nursery count towards the total number of applications allowed per crop. It is recommended that disease control is started early and maintain a regular program using a fungicide from groups other than **Group 4, 40, 45+40, 49** (or **49+11**) or **28+43**.
- When conditions favour disease development, **do not** wait for disease to appear, but apply two consecutive sprays of a **Group 4, 40, 49, 49+11** or **28+43** product at the interval recommended on the label. Then resume the program of sprays using an alternative fungicide group to what was just applied.
- Do not** apply more than four sprays of a **Group 4** or **40** product per season.
- Do not** apply more than four sprays of a **Group 45+40** product per crop.
- Apply **Group 45+40** fungicides preventatively.
- Group 49** including **Group 49+11** fungicides should only consist of a maximum of one in every three of the total fungicide sprays per crop targeting downy mildew. **Do not** apply more than three sprays of a **Group 49** containing product including **Group 49+11** sprays per crop. **Group 49+11** sprays count as both a **Group 49** and a **Group 11** spray. If there are multiple crops per year, **do not** make more than (6) six total applications of a Group 49 product on the same area.
- Do not** apply more than three sprays of a **Group 28+43** product per crop.
- Apply **Group 4** and **49** (or **49+11**) fungicides preventatively and only in mixtures or co-formulations with a registered fungicide from a different mode of action group, with no known resistance.
- Continue alternation of fungicide modes of action between successive crops.

Continued on next page.

Please note:

This strategy is a guide only and does not endorse particular products, groups of products or cultural methods in terms of their performance. Always follow the product label for specific use instructions. While all effort has been made with the information supplied in this document, no responsibility, actual or implied, is taken for the day to day accuracy of product or active constituent specific information. Readers should check with the Australian Pesticides and Veterinary Medicines Authority's product database for contemporary information on products and actives. The database can be sourced through www.apvma.gov.au. The information given in this strategy is provided in good faith and without liability for loss or damage suffered as a result of its application and use. Advice given in this strategy is valid as of 22 July 2026. All previous versions of this strategy are now invalid.



	Group			
	4	28 + 43	40, 45 + 40	49, 49 + 11
Maximum number of consecutive applications	2	2	2	2
Maximum number of solo sprays	None			None of 49
Maximum number of sprays per crop or season inc. Nursery*	4	3 [^] (or 1 in 3)	2 or 4	3 [^] (or 1 in 3) 6 per year

* Maximum application number on product label may differ. Ensure you follow the label recommendations.

[^] Not allowed in nursery production.

Please note:

This strategy is a guide only and does not endorse particular products, groups of products or cultural methods in terms of their performance. Always follow the product label for specific use instructions. While all effort has been made with the information supplied in this document, no responsibility, actual or implied, is taken for the day to day accuracy of product or active constituent specific information. Readers should check with the Australian Pesticides and Veterinary Medicines Authority's product database for contemporary information on products and actives. The database can be sourced through www.apvma.gov.au. The information given in this strategy is provided in good faith and without liability for loss or damage suffered as a result of its application and use. Advice given in this strategy is valid as of 22 July 2026. All previous versions of this strategy are now invalid.

