

Crops(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:

1. 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**.
2. 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.
3. **Do not** apply more than four sprays of a **Group 4** or **40** product per season.
4. **Do not** apply more than four sprays of a **Group 45+50** product per crop.
5. Apply **Group 45+40** fungicides preventatively.
6. **Group 49** including **Group 49+11** fungicides should only consist of a maximum of one in every three of the total fungicide sprays per season targeting downy mildew. **Do not** apply more than three sprays of a **Group 49** containing product including **Group 49+11** sprays. **Group 49+11** sprays count as both a **Group 49** and a **Group 11** spray.
7. **Do not** apply more than three sprays of a **Group 28+43** product per crop.
8. Apply **Group 4** and **49** (or **49+11**) fungicides preventatively and only in mixtures or co-

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formulations with a registered fungicide from a different mode of action group, with no known resistance.

9. Continue alternation of fungicide modes of action between successive crops. **Do not** make more than (6) six total applications of a **Group 49** product per year on the same area targeting the same disease.

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