

<b>Crop(s)</b>	<b>Lettuce</b>
<b>Disease(s)</b>	<b>Downy mildew</b>

Resistance management strategy for:

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

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### Please note:

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	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 <b>49</b>
Maximum number of sprays per crop or season inc. Nursery*	4	3 <sup>^</sup> (or 1 in 3)	2 or 4	3 <sup>^</sup> (or 1 in 3) 6 per year

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

<sup>^</sup> Not allowed in nursery production.

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