

**Crops(s)** Cucurbit

**Disease(s)** Downy mildew

Resistance management strategy for:

<b>Group 4</b>	Phenylamides (PA);
<b>Group 11</b>	Quinone outside inhibitors (QoI);
<b>Group 28+43</b>	Carbamates + benzamides;
<b>Group 40</b>	Carboxylic acid amide (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 + 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 **Groups 4, 11, 28+43, 40, 45+40, 49 or 49+11**.
2. When conditions favour disease development, **do not** wait for disease to appear, but apply two consecutive sprays of a **Group 4, 11, 28+43, 45+40, 49 or 49+11** fungicide, at the interval recommended on the label, then resume the program of sprays using products from a different group to the fungicide just applied.
3. **Do not** apply more than four sprays of a **Group 4** or **Group 40** containing product per season.
4. **Do not** apply more than three sprays of a **Group 49** containing product. **Group 49** containing sprays should not consist of more than one in every three sprays of the total number of fungicide sprays per crop. **Group 49+11** sprays count as both a **Group 49** and a **Group 11** spray.
5. **Do not** apply more than two sprays of **Group 28+43, 45+40 or 11** containing fungicides (including **49+11**) per crop.
6. Apply **Group 4, 11, 45+40 and 49** (including **49+11**) fungicides preventatively.
7. Apply **Group 4** and **49** fungicides only in mixtures or co-formulations with a registered fungicide from a different mode of action group with no known resistance.

#### Please note:

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8. Continue alternation of fungicides 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.

	Group				
	4	11	28+43	40, 45+40	49, 49+11
<b>Maximum number of consecutive applications</b>	2	1	2	2	2
<b>Maximum number of solo sprays</b>	None				None of <b>49</b>
<b>Maximum number of sprays per crop or season including nursery *</b>	4	2	2 <sup>^</sup>	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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