

Crop(s)	Cucurbit
Disease(s)	Downy mildew

Resistance management strategy for:

Group 4	Phenylamides (PA);
Group 11	Quinone outside inhibitors (QoI);
Group 28 + 43	Carbamates + benzamides;
Group 40	Carboxylic acid amide (CAA);
Group 45 + 40	Quinone outside inhibitors, stigmatellin binding type (QoSI) + CAA;
Group 49	Oxysterol binding protein inhibitors (OSBPI); and
Group 49 + 11	OSBPI + 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 **Groups 4, 11, 28+43, 40, 45+40, 49 or 49+11**.
- 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.
- Do not** apply more than four sprays of a **Group 4** or **Group 40** containing product per season.
- 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.
- Do not** apply more than two sprays of **Group 28+43, 45+40 or 11** containing fungicides (including **49+11**) per crop.
- Apply **Group 4, 11, 45+40 and 49** (including **49+11**) fungicides preventatively.
- 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.
- 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.

Please note:

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	Group				
	4	11	28 + 43	40, 45 + 40	49, 49 + 11
Maximum number of consecutive applications	2	1	2	2	2
Maximum number of solo sprays	None				None of 49
Maximum number of sprays per crop or season inc. Nursery*	4	2	2^	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.

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