

Crop(s) Apple, pear
Disease(s) Apple and pear scab

Resistance management strategy for:

Group 3	Demethylation inhibitors (DMI);
Group 7	Succinate dehydrogenase inhibitors (SDHI);
Group 7 + 11	SDHI + QoI;
Group 9	Anilinopyrimidines (AP);
Group 11	Quinone outside inhibitors (QoI);
Group 52	DHODHI-fungicide (dihydroorotate dehydrogenase inhibitor); and
Group U12	Guanidines.

Guidelines

1. Not all listed products are registered for both diseases. Ensure the product is registered for the disease being targeted.
2. **Do not** apply more than four sprays per season of **Group 3** fungicides as solo products; if more sprays containing **Group 3** are required apply as a tank mixture with a non-cross resistant fungicide.
3. **Do not** apply more than four sprays per season of products containing **Group 9**. In locations where resistance has been reported use a **Group 9** only in mixture with a registered, alternative mode of action for which resistance is not known.
4. **Do not** apply more than three sprays per season of **Group 7**, **Group 11** or **Group 52** fungicides.
5. If two consecutive applications of **Group 7, 9, 11** or **Group 52** fungicides are used, then they must be followed by at least the same number of applications of fungicide(s) from a different mode of action group(s) before the same group is used again, either in the current or following season.
6. When mixtures are used for resistance management, applied as tank mix or as a co-formulated mixture, the mixture partner should provide effective disease control when used alone on the target disease and must have a different mode of action.

Please note:

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7. Pomefruit spray guidelines for SDHI fungicides:

Total number of spray applications per crop	1	2	3	4	5	6	7	8	9	10	11	12
Max. recommended alone SDHI fungicide sprays	1	1	1	1	2	2	2	2	2	3	3	3
Max. recommended SDHI fungicide sprays in mixture or co-formulated	1	1	2	2	2	3	3	3	3	3	3	4

8. **Do not** apply more than three consecutive sprays of **Group U12**, and no more than a total of six **Group U12** sprays per season.
9. If more sprays are required, tank mix **Group U12** with a protectant product at the registered rate

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