

Crops(s) **Barley**

Disease(s) **Scald and Net blotch**

Resistance management strategy for:

Group 3	Demethylation Inhibitors (DMI);
Group 7	Succinate dehydrogenase inhibitors (SDHI);
Group 7+3	SDHI + DMI;
Group 11+3	Quinone outside Inhibitor (QoI) + DMI;
Group 11+4	QoI + Phenylamide; and
Group 11+7+3	QoI + SDHI + DMI.

Guidelines:

1. Not all listed products are registered for both diseases. Ensure the product is registered for the disease being targeted.
2. Fungicides should be used as protectant treatments – where there is no more than 5% leaf area infection evident anywhere in the canopy. In high risk disease environments, integrated management approaches should be used to reduce fungicide resistance risk, which may include:
 - a. Removal of stubble;
 - b. Crop rotation (**avoid** barley on barley);
 - c. Control of green bridge volunteers; and
 - d. Use of tolerant and resistant varieties.
3. **Do not** apply more than one application of a **Group 7** seed treatment with foliar activity in any two consecutive growing seasons.
4. **Do not** apply more than two applications per growing season of **Group 11** or **7** containing products. This includes foliar sprays as well as in-furrow or seed treatments that have activity on foliar diseases. Combinations of in-furrow and seed treatment are counted as one application.
5. **Do not** apply consecutive applications of **Group 11** containing products. This includes in-furrow i.e. if a **Group 11+4** or **11+3+7** fungicide has been used in-furrow at planting, the first foliar fungicide spray must not contain a **Group 11** fungicide.
6. If a **Group 7** seed treatment has been used with foliar activity (as determined by label claims), the first foliar fungicide applied should not contain a **Group 7** fungicide. An alternative mode of action fungicide should be applied at typical foliar fungicide timing.

Please note:

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7. If a **Group 7 or Group 11** fungicide is being applied as a foliar spray, it must be in a co-formulation or in mixture with a registered mixing partner with a different mode of action, with no known resistance.
 8. **Do not** apply more than three applications containing **Group 3** fungicides per growing season. This total of three applications includes DMIs applied as **Group 11+3** or **Group 11+7+3** co-formulations and in-furrow or seed treatments that have activity on foliar diseases. Combinations of in-furrow and seed treatments are counted as one application.
 9. Minimise use of **Group 3** and **Group 7** fungicides which are known to have comprised resistance status.

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