

Crop(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 + phenylamides (PA); and
Group 11+7+3	QoI + SDHI + DMI.

- 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:
 - removal of stubble,
 - crop rotation (**avoid** barley on barley),
 - control of green bridge volunteers; and
 - use of tolerant and resistant varieties.
- Do not** apply more than one application of a **Group 7** seed treatment with foliar activity in any two consecutive growing seasons.
- 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.
- 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.
- 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.
- If a **Group 7** 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.
- Do not** apply more than three applications containing **Group 3** fungicides per growing season.

Please note:

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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.

8. Minimise use of **Group 3** fungicides which are known to have compromised resistance status. Where possible, alternate between different **Group 3** fungicides. Maintain **Group 3** applications in line with the above guidelines and the product labels.

NET BLOTCH ON EYRE PENINSULA AND YORKE PENINSULA, SOUTH AUSTRALIA

1. Minimise use of **Group 7** fungicides with foliar activity where resistance has been confirmed.
2. Minimise the use of **Group 7** fungicides (seed treatments and foliar sprays) to high-risk crop varieties.
3. **Group 7** fungicides **should not** comprise more than 50% of the total number of fungicide applications targeting this disease, which includes seed treatments with foliar activity and foliar sprays per season.

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