

Crop(s): Barley**Pest(s): Powdery mildew**

Resistance Management Strategy for:

Group 3	(DMI)
Group 7	(SDHI)
Group 11 + 3	(Quinone outside Inhibitor + DMI) – Treat as a Group 11
Group 11 + 4	(Quinone outside Inhibitor + PAA) – Treat as a Group 11
Group 13	(Aza-naphthalene)

1. Fungicides should be used as preventatively if possible or at first sign of disease. If disease is established within the canopy, fungicides may not produce optimal results and there is very strong potential to select for fungicide resistance. In high risk disease environments, integrated management approaches should be used to reduce fungicide resistance risk including the removal of stubble, control of green bridge volunteers and the use of tolerant and resistant varieties. Monitor if conditions favour disease development and reapply an appropriate fungicide from 21 to 28 days after first application. Use the higher label rate ranges where conditions favour disease development.
2. **DO NOT** apply more than two applications per growing season of **Group 7, 11 or 13** containing products. This includes in-furrow or seed treatments that have activity on foliar diseases. Combinations of in-furrow and seed treatment are counted as one application.
3. Use **Group 13** products in mixture, or alternate with fungicides of a different MOA. Always apply in mixture with a curative fungicide where disease is established.
4. **DO NOT** apply consecutive applications of **Group 11** containing products. This includes in-furrow i.e. If a **Group 11 + 4** fungicide has been used in-furrow at planting, the first foliar fungicide spray must not contain a **Group 11** fungicide
5. If a solo **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.
6. If a solo **Group 7** fungicide is being applied as a foliar spray it must be mixed with an effective, registered mixing partner.
7. **DO NOT** apply more than three applications containing **Group 3** fungicides per growing season. This total of three applications includes DMI's applied as **Group 11 + 3** co-formulations and in-furrow or seed treatments that have activity on foliar diseases. Combinations of in-furrow and seed treatment are counted as one application.
8. Minimise use of **Group 3** fungicides which are known to have compromised resistance status.