

Fungicide Resistance Management Strategies
Developed by the CropLife Australia Fungicide Resistance Management Review Group
 Valid as at 10 June 2016

Crop(s): Potato

Pest(s): Target Spot (Early Blight)

Resistance Management Strategy for:

Group 2 (Dicarboximide);

Group 3 (DMI);

Group 7 SDHI (Succinate dehydrogenase inhibitors)

Group 9 (Anilinopyrimidine); and

Group 11 (Quinone outside Inhibitor) fungicides.

Group 11 + 3 (Quinone outside Inhibitor + DMI) treat as a **Group 11** fungicide for resistance management purposes.

1. Limit the use of **Group 2, 3, 9 or 11** fungicides to periods when conditions favour disease development.
2. **DO NOT** apply more than six **Group 2** sprays in one season. Apply no more than two consecutive sprays of a **Group 2** fungicide.
3. **DO NOT** apply more than six **Group 3** sprays in a season. Apply no more than two consecutive sprays of a **Group 3** fungicide alone.
4. If three or fewer fungicide sprays for target spot are applied per crop, use only one spray containing a **Group 7** fungicide. If four to six sprays are applied per crop, use a maximum of two sprays containing **Group 7** fungicides. If seven or more sprays are applied per crop use a maximum of three sprays containing **Group 7** fungicides. If used solo, apply **Group 7** fungicides in strict alternation with fungicides from a different cross resistance group. If fungicides containing **Group 7** are used in mixture, apply a maximum of 2 consecutive applications.
5. If three or fewer fungicide sprays for target spot are applied per crop, use only one spray containing a **Group 9** fungicide. If four to six sprays are applied per crop, use a maximum of two sprays containing **Group 9** fungicides. If seven or more sprays are applied per crop use a maximum of three sprays containing **Group 9** fungicides.

Apply no more than two consecutive sprays containing a **Group 9** fungicide.
6. Apply **Group 11** containing fungicides preventively. **DO NOT** apply more than three foliar applications of a **Group 11** containing fungicide per crop, no more than two consecutive **Group 11** sprays per crop. If consecutive applications of **Group 11** containing fungicides are used, then they must be followed by at least the same number of applications of fungicide(s) from a different group(s) before a **Group 11** containing fungicide is used again, either in the current or following season.

When using a **Group 11** fungicide in-furrow at planting, use a fungicide from a different group as the first foliar spray.

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