

Crop(s): Cucurbits

Pest(s): Powdery Mildew

Resistance Management Strategy for:

Group 3	(DMI, pyrimidine);
Group 7	SDHI (Succinate dehydrogenase inhibitors);
Group 8	(Hydroxy-(2-amino-) pyrimidine);
Group 11	(Quinone outside Inhibitor) and other “systemic” fungicides;
Group 13	aza-naphthalenes;
Group U6	(Phenyl-acetamide); and
Group U8	(Actin Inhibitor) fungicides

1. Start disease control early. **DO NOT** wait for powdery mildew to appear before spraying, but start as soon as practicable after crop emergence.
2. Use protectant sprays in early crop growth. Apply protectant sprays up to the fruit set stage of the crop if the disease normally occurs during this period. If this schedule is interrupted (eg. by rain) use a tank mix of protectant plus systemic before recommencing the protectant program.
3. After fruit set, use systemic fungicides in one or more of the following ways:
 - a. Tank mix systemic fungicides with a protectant fungicide **AND** use fungicides from at least two different systemic activity groups per crop.
 - b. Alternate systemic fungicides with a protectant fungicide **AND** use fungicides from at least two different systemic activity groups per crop.
 - c. Alternate systemic fungicides from at least three different activity groups per crop.
 - d. Apply **Group 11** fungicides preventatively
4. Use a maximum of one **Group 11** containing spray out of every three fungicide applications.
5. **DO NOT** use consecutive applications of **Group 11** or **Group U6** fungicides.
6. **DO NOT** apply more than two **Group 11** or **Group U6** products per crop.
7. **DO NOT** apply more than three **Group 7** or **Group 13** products per crop and no more than two consecutive applications per year.

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