



**Insecticide Resistance Management Strategies**  
**Developed by the CropLife Australia Insecticide Resistance Management Review Group**  
 Valid as at 25 June 2015

**Crop(s) : Pome Fruit**  
**Mite(s) : Two-spotted Mite, European Red Mite**

**Guidelines:**

1. Make no more than one application from each registered miticide group per season. Rotate registered miticides that have different mode of action (i.e. Group 6, Group 10A, Group 10B, Group 12B, Group 12C, Group 13, Group 21A and Group UN).
2. For miticides that have the same mode of action (eg. Group 21A) do not use consecutive applications within and between seasons.

Group*	Chemical sub-group	Example chemical
6	Avermectins, milbemycins	Abamectin, milbemectin
10A	Clofentezine, hexythiazox	Clofentezine, hexythiazox
10B	Etoxazole	etoxazole
12B	Organotin miticides	Fenbutatin oxide
12C	Propargite	propargite
13	Chlorfenapyr	chlorfenapyr
21A	METI acaricides	fenpyroximate, tebufenpyrad
UN	Bifenazate	bifenazate

\* Refer CropLife Australia Insecticide Resistance Management Review Group Mode of Action Classification for Insecticides

**Notes:**

1. Miticides should be used as part of an Integrated Mite Control (IMC) program.
2. Mite levels should be monitored and thresholds utilised before deciding to make miticide applications.
3. Where practicable, predatory mites should be incorporated into an IMC program.
4. When using insecticides/miticides to control other pests of pome fruit such as codling moth, lightbrown apple moth and woolly aphid, consider the chemical group and the potential impact it may have on resistance development of mite pests.

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Advice given in this strategy is **valid as at 25 June 2015**. All previous versions of this strategy are now invalid.

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