







What is IPM

The integration of several methods to control pest with the aim of reducing reliance on pesticides



Mango scale



Aphytis wasps



Encarsia wasp



Male parasitoid



Rhyzobius ladybird



Ladybirds



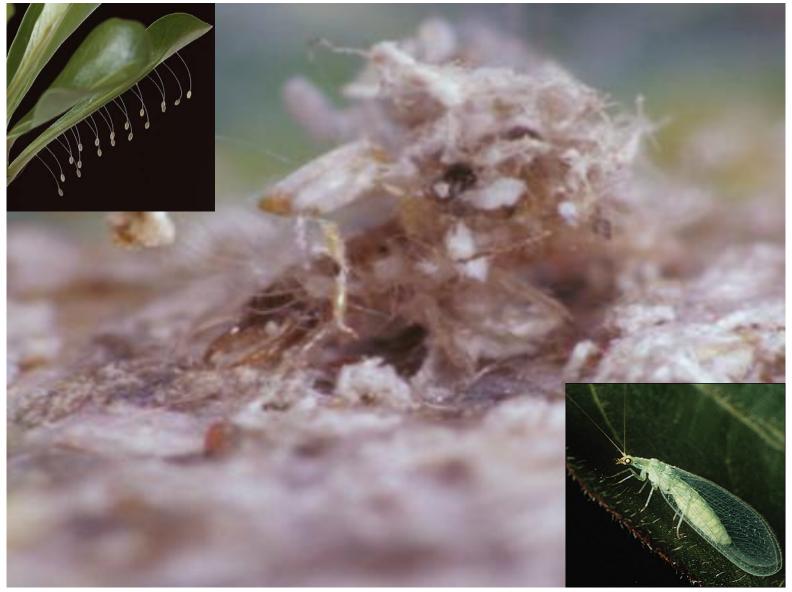




Cybocephalus beetle



Green Lacewing



Predatory midge



Predatory thrips



Predatory moth





Predatory mites

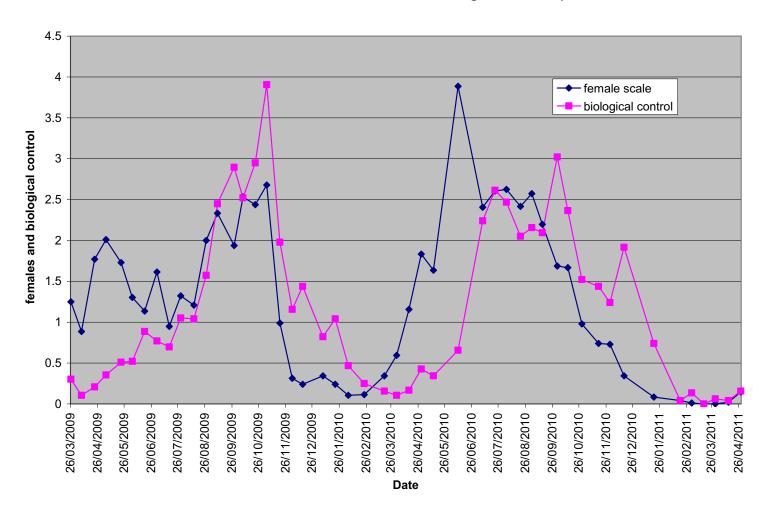


Fusarium fungus



Department of Agriculture and Fisheries

No. female scale and biological control per leaf



Mango scale biological control trials

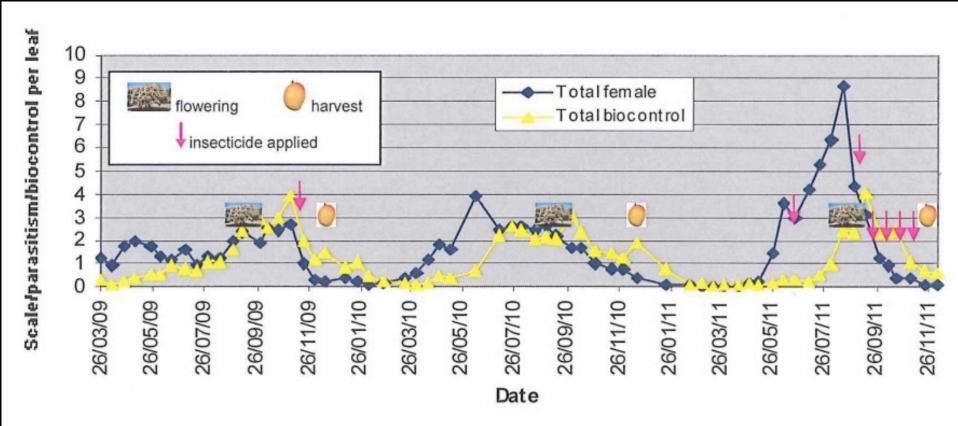


Figure 14. Number of female scale and total biological control at Mutchilba in 2009, 2010 and 2011.

Insecticides that cause issues for IPM

Nasties

- methidathion
- carbaryl
- Chlorpyrifos
- Beta cyfluthrin
- dimethoate



Less disruptive Insecticides

- pyriproxifen
- buprofezin
- spirotetramat
- petroleum oil

Take Home Message

- Look out for the 'Goodies'
- Provide shelter and food for 'Goodies'
- Monitor regularly
- Spray immediately if warranted (good coverage)
- Avoid the nasty chemicals for all pests

