



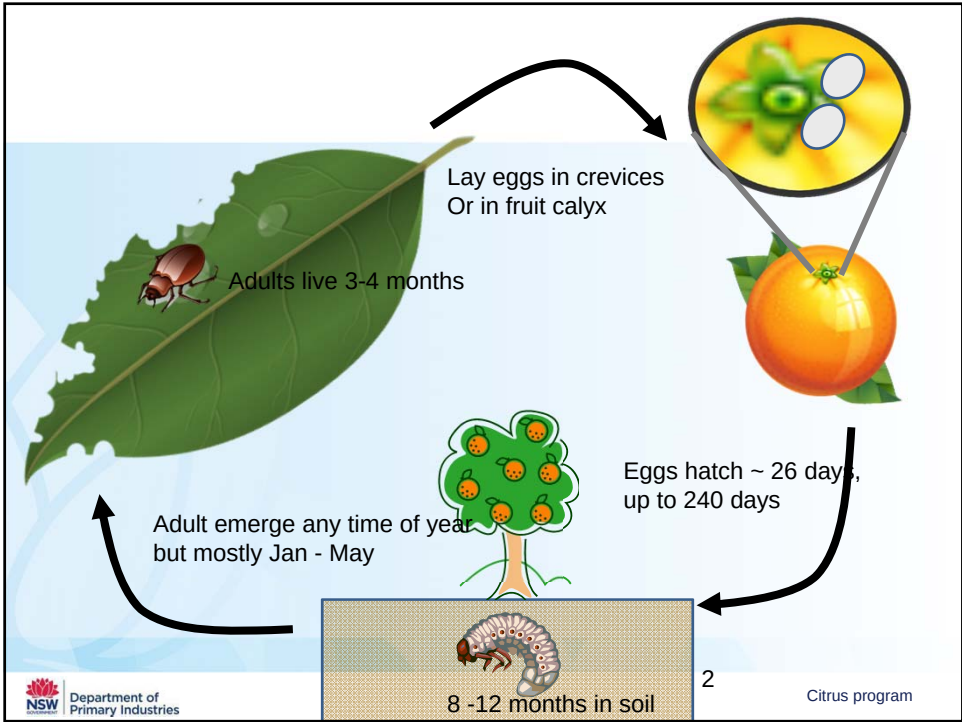
Department of
Primary Industries

FRW Challenges

NSW DPI 2017 Citrus roadshow

Steven Falivene (NSW DPI) , Dupont & group

www.dpi.nsw.gov.au



Quarantine problem

FRW



3

Citrus program

Monitoring

Shake branch vigorously
six times

Check for FRW

- FRW might appear to be dead or very still



4

Block history

Long term strategy

New block – mat and leaf check

May take two seasons to bring down numbers



Skirting

Essential best practice

- disease control
- eliminating herbicide overspray onto fruit

Well skirted trees

No weeds touching canopy



Trunk band spraying

Start in December, every 6 weeks

When numbers low, monitor and apply as needed

- 5 X sprays = \$600
- Prune + sprays + extra insecticide = \$1000
- Extra \$100/t @ 45t = \$4,500



Trunk band spraying machines (videos)



Secondary pests





Secondary pests

Two spotted mites, cottony cushion scale, mealy bug and soft scales

Release predators & parasites

Eventual reduce TBS reliance as orchards FRW numbers diminish



Aphytis



Lacewings



Cryptolaemus



Predatory mites - Persimilis
(photo Denis Crawford)

12

Citrus program

Trunk band spraying- overspray risk



- MRL breach can stop trade
- Skirting & correct sprayer set up essential

Exirel[®]

New insecticide to suppress FRW (Exirel[®])
See separate Exirel PDF presentation

Cost of chemical

Trunk Band spray

Chemical ~ \$125 / ha / spray

4 x = \$480

Exirel

One (75ml/100L @ 3500L/ha, \$130/L)

= \$340 / ha

One or two sprays ?

Area quarantining

- Take control who enters your orchard



Area quarantining

Movement of pickers

- Brush clothes and shake out bags



Area quarantining

Clean machinery in contact with foliage



Area quarantining

Movement of bins into and around orchard



Copyright & Disclaimer

© State of New South Wales through Department of Industry and Investment 2013. You may copy, distribute and otherwise freely deal with this publication for any purpose, provided that you attribute Industry & Investment NSW as the owner.

Disclaimer: The information contained in this publication is based on knowledge and understanding at the time of writing (Oct 2013). However, because of advances in knowledge, users are reminded of the need to ensure that information upon which they rely is up to date and to check currency of the information with the appropriate officer of State of New South Wales through Industry & Investment NSW or the user's independent adviser.