



## What do we have ready to protect our honey bees?

Dr John Roberts

Australian Bee Congress, June 28<sup>th</sup> 2018

HEALTH AND BIOSECURITY  
www.csiro.au



### Honey bee biosecurity

#### Prevention

- Understanding the threats
- Reduce the risk of entry

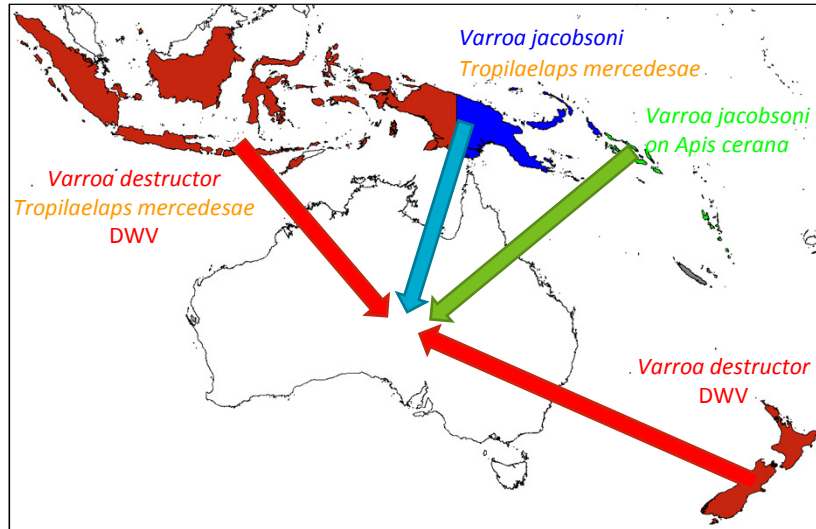
#### Eradication

- Surveillance and early detection
- Effective tools for eradication

#### Management

- Monitoring of pest/disease
- Effective tools to reduce impact

## Prevention – understanding the threats



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## Prevention – reduce the risk of entry



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## Eradication – surveillance and early detection



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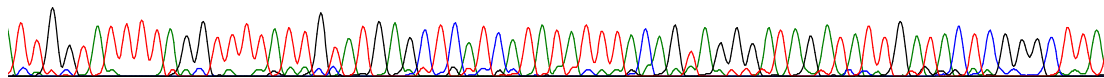


## Eradication – surveillance and early detection



EXOTIC PLANT PEST HOTLINE  
**1800 084 881**

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## Eradication – effective tools

Emergency use chemicals

- Flumethrin (Bayvarol)
- Tau-fluvalinate (Apistan)
- Thymol (Apiguard)
- Formic acid (MAQS)



Amitraz (Apivar) not registered

Fiprinol bait stations



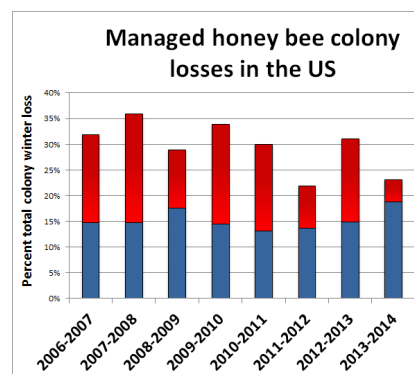
AHB T2M report 2-4-2012

## Management - monitoring of pest/disease

Varroa and Tropilaelaps mites are different



Where is our baseline data?



www.beeinformed.org

## Management - effective tools

Synthetic and organic chemicals



Brood removal and trapping



Breeding programs



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## What do we still need to be ready?

Continue to improve the NBPSP

Register Amitraz

Baseline data on colony losses and outbreaks

Virus testing protocols for importing bee semen

Get on top of existing pest/disease problems



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## Thanks for listening

Honeybee and Pollination R&D Program of AgriFutures  
Plant Health Australia  
Australian Centre for International Agricultural Research (ACIAR)

[www.beeaware.org.au](http://www.beeaware.org.au)

Email: [john.roberts@csiro.au](mailto:john.roberts@csiro.au)

