THE NEEDS OF DEPENDANT POLLINATION INDUSTRIES

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Executive Director and CEO

3rd Australian Bee Congress

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Improving national biosecurity outcomes through partnerships

Plant Health AUSTRALIA

Outline of presentation

An introduction to PHA

Emergency Response

Reporting

Industry Peak Bodies

Exotic HPP

Varroa

What is Australia doing to prepare and hence deliver to dependant Pollination industries ?

(Won't talk about the value of pollination or the number of hives required)

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Plant Health Australia

- Not for profit, **public company**, member based
- Provide **national coordination** to improve:
  - biosecurity across Australia's plant industries
  - capacity to respond to plant pest emergencies
  - custodians of the Emergency Plant Pest Response Deed
- Work with Members to **build partnership arrangements** and **broker** and **facilitate** between government and industry in the national interest

PHA members


ACT Government
Australian Government
AgriBio
Centre for Ag Bioscience
AgriFutures
ALMOND BOARD OF AUSTRALIA
apal
Australian Honey Bee INDUSTRY COUNCIL
AUSTRALIAN MACADAMIA SOCIETY
Aus Prunes
AUSVEG
Avocados Australia
BASF We create chemistry
BAYER
CAPILANO HONEY LIMITED
CSIRO
GPA GRAIN PRODUCERS AUSTRALIA
Government of South Australia
GOVERNMENT OF WESTERN AUSTRALIA
hort frontiers POLLINATION FUND
NSW GOVERNMENT
Northern Territory Government
onions australia
Plant & Food RESEARCH
Queensland Government
raba
syngenta
State Government Victoria
Tasmania
WHEEN BEE FOUNDATION
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What does Plant Health Australia do?
PLANT PLAN
Australian Emergency Plant Pest Response Plan
November 2016
National Plant Biosecurity Strategy
The National Plant Biosecurity Status Report
2016
Industry Biosecurity Plan for the Honey Bee Industry
Biosecurity Manual for Beekeepers
Threat Specific Contingency Plan
Spotted anything unusual?
1800 084 881
Are you a risk?
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No such thing as zero risk

Incursion → **Eradication**

HPP risk identified → Early detection and notification → Diagnostics → Response mechanism in place.

National Bee Pest Surveillance PROGRAM

EXOTIC PLANT PEST HOTLINE
1800 084 881

National Plant Biosecurity Diagnostic Network

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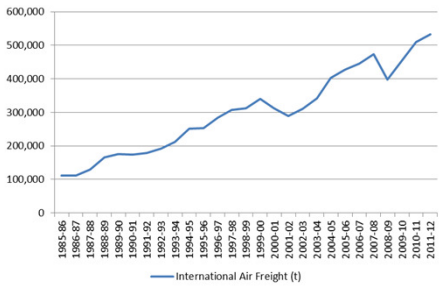
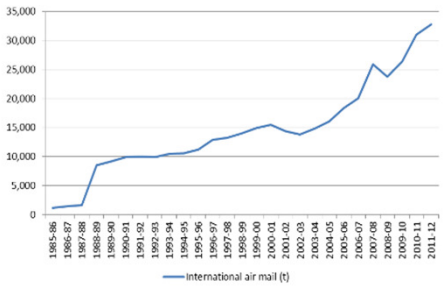
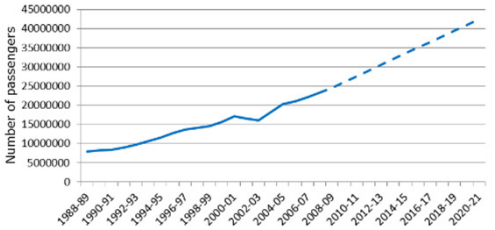
Air freight to Australia



Air mail to Australia



People movements



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Reporting a suspicious pest

Early reporting of suspect pests is key to the **success of eradication**

Have you spotted anything unusual?

EXOTIC PLANT PEST HOTLINE
1800 084 881

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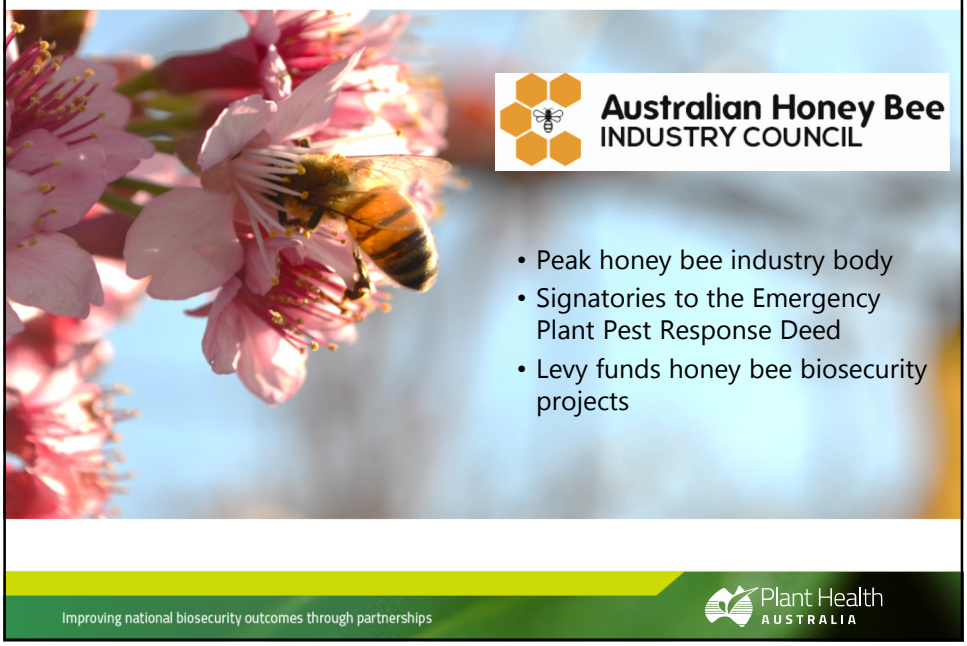

Australian Honey Bee INDUSTRY COUNCIL

- Peak honey bee industry body
- Signatories to the Emergency Plant Pest Response Deed
- Levy funds honey bee biosecurity projects

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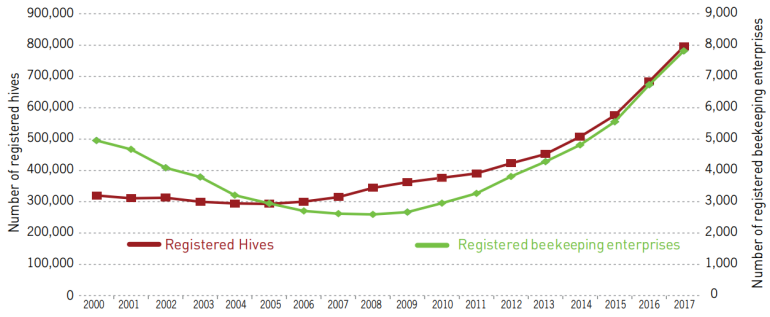
Exotic HPP threats

Scientific name	Common name
Acarapis woodi	Tracheal mite
Apis cerana (exotic strains, genotypes and sub-species)	Asian honey bee
Apis mellifera capensis	Cape honey bee
Apis mellifera scutellata	African honey bee
Apis mellifera scutellata (hybrid)	Africanized honey bee
Deformed wing virus (Iflavirus)	Deformed wing virus
Hoplostoma fuligineus	Large hive beetle
Slow paralysis virus (Iflavirus)	Slow paralysis virus
Tropilaelaps clareae	Tropilaelaps mite
Tropilaelaps mercedesae	Tropilaelaps mite
Varroa destructor	Varroa mite
Varroa jacobsoni	Varroa mite
Vespa spp. (exotic species)	Hornets

NZ industry

FIGURE 1: REGISTERED BEEKEEPING ENTERPRISES AND HIVE NUMBERS IN NEW ZEALAND[1], AS AT 30 JUNE, 2000 TO 2017



Notes
1 Registered beekeeping enterprises and hives under the National Pest Management Plan for American Foulbrood. Varroa was discovered in hives in New Zealand in 2000.
Source: AsureQuality Limited.

Ministry for Primary Industries (2017). Apiculture Monitoring Programme https://www.mpi.govt.nz/dmsdocument/27678-apiculture-ministry-for-primary-industries-2017-apiculture-monitoring-programme

National Bee Pest Surveillance PROGRAM

- Early warning system to detect new incursions of exotic bee pests and pest bees
- A range of surveillance methods conducted at sea & air ports considered most likely entry points

NATIONAL BEE BIOSECURITY PROGRAM

To promote best biosecurity management practices for beekeepers in Australia through:

- Development of the Code of Practice
- Honey Bee Biosecurity Online Training
- Bee Biosecurity Officers

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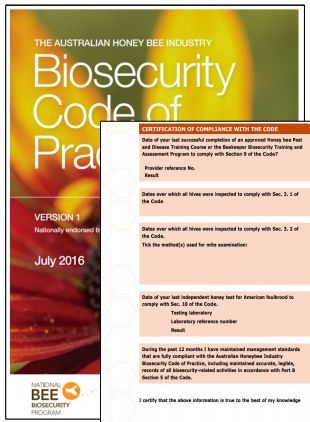
Materials for crop producers

BeeAware



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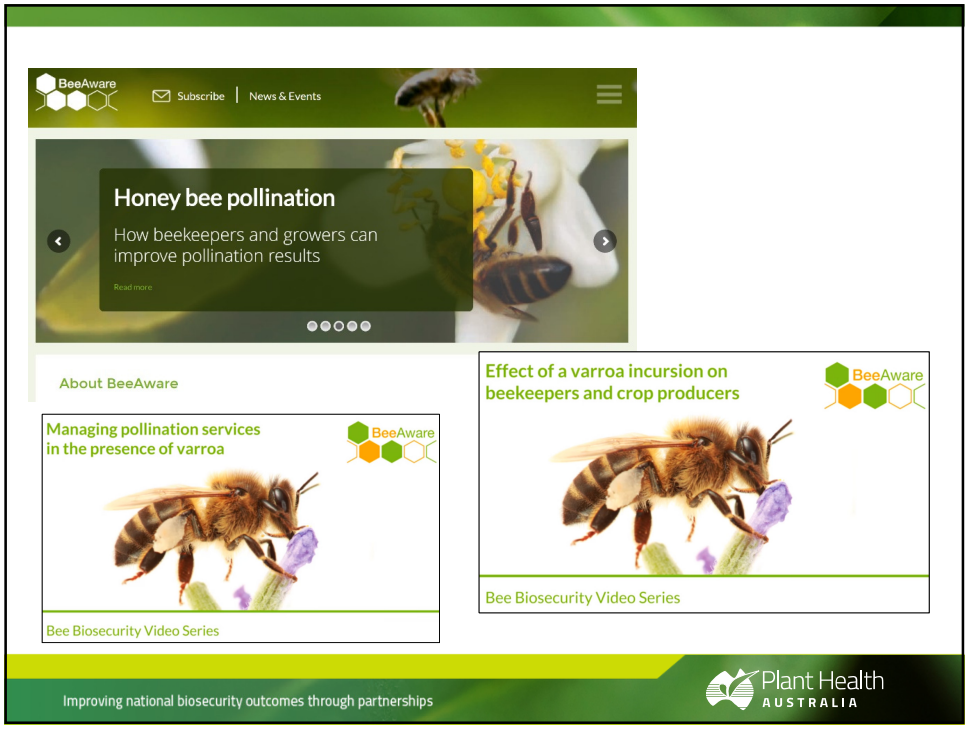
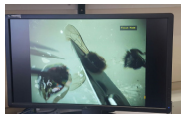


Current activities

- All governments, 32 ports, surveillance for 18 bee pests
- Sentinel hives (140)
- Catchboxes (109)
- Floral sweep netting at 15 high risk ports
- Exotic honey bee virus and Tracheal mite diagnostics (over 200 samples each to date)
- Asian hornet trapping (just commenced)
- Floating swarms captured at sea/airports



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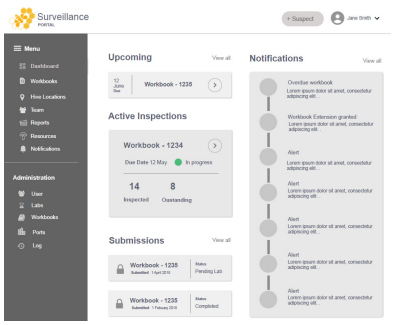
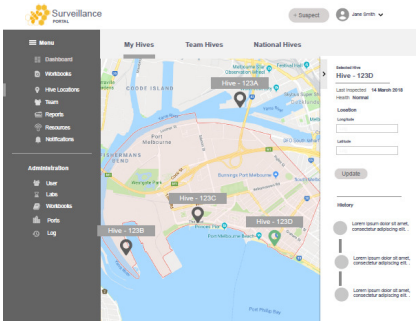
Improve and deploy Remote 'smart technology' Catchboxes

Asian Hornet trap trial

Development of a NBPSP Data Portal System





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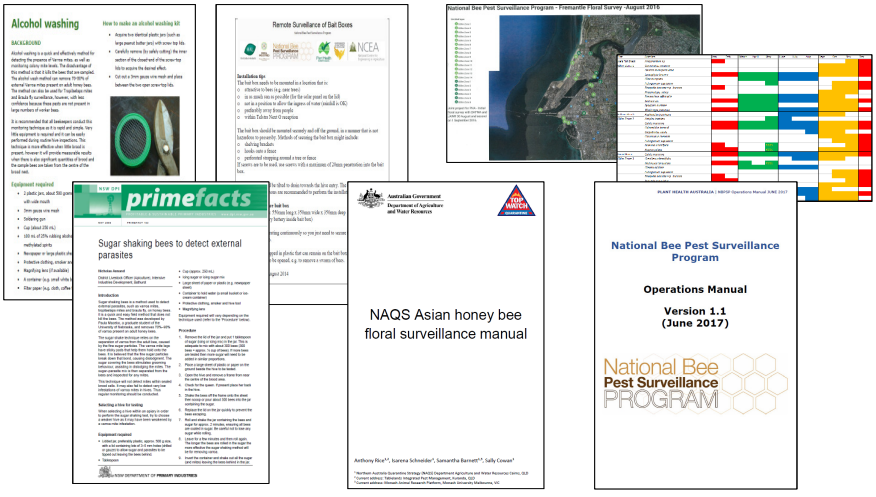
Nationally consistent Surveillance



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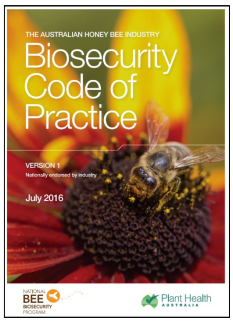
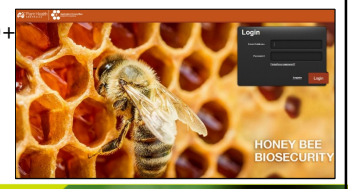
Code of Practice & Biosecurity for Beekeepers

- Code outlines how to care for hives
  - What can be done to prevent pest and disease spread
  - Training and planning
  - Identifying exotic pests
  - Hive and equipment maintenance
  - Accurate record keeping



- Online training course
  - One available option for training requirement
  - Free for beekeepers & permanent staff with 50+
  - Reduce cost for hobby beekeepers $20
  - 1.5 hours to complete
  - Certificate of completion



So what are the needs of dependant pollination industries ?

- Strong peak industry body AHBIC and for those pollination dependant industries
- Adoption of the Code of Practice by beekeepers
- A supported biosecurity system that reduces risk of entry, spread and establishment of exotic pests and diseases
- Strong and focused surveillance system
- Data management to support domestic and international market access (area freedom data)
- Ongoing training
- Good working relationships with beekeepers
- Healthy bees


THANK YOU
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