



John Hartnell

7th May 2017

5 YEAR PLAN/STRATEGY AFB PEST MANAGEMENT PLAN

WHY IS THIS NECESSARY

- ✘ Unprecedented growth in hive numbers, projects put potential numbers at 1 million by December 2017
- ✘ New beekeeper registrations – 1800 in last 12 months
- ✘ Industry inexperience – over 50% sit in the new entrant classification
- ✘ Skill shortage very real
- ✘ Potential for serious AFB event or events
- ✘ Risk has never been so high as we face today

WHY WE NEED A PLAN

- ✘ **Eradication of AFB in managed colonies is both possible and practical**
- ✘ **Doing the same thing, under the same structure for the last 20 years has not delivered the outcome industry seeks**
- ✘ **Technology is changing and we must review the resources we have to support the objectives of the plan**
- ✘ **The AFB PMP is a factor in market access and bee products value which can't be ignored**

SOME HISTORY

- × **April 2009**
- × **2680 beekeepers**
- × **357,789 hives**
- × **33% classified as commercial beekeepers**
- × **Hobby sector approximately 1800 beekeepers**
- × **Largest beekeeping operation approximately 19,000 hives**

TODAY AND GROWING

- ✖ **March 2017**
- ✖ **7975 beekeepers**
- ✖ **825,630 hives**
- ✖ **14% classified as semi commercial or commercial**
- ✖ **Hobby sector approximately 6800 beekeepers**
- ✖ **Largest beekeeping operation approximately 67,000 hives**

INDUSTRY OVERVIEW FEB 2016 TO MARCH 2017

	<u>1/2/16</u>	<u>30/3/17</u>	<u>Percentage</u>
✗ Registered beekeepers	6464	7975	23.4%
✗ Non Commercial (Up to 50 hives)	5592	6848	22.5%
✗ Semi Commercial (51 to 250 hives)	424	603	42.2%
✗ Commercial (Greater than 250 hives)	448	528	17.9%
✗ -----			
✗ -----			
✗ Registered hives	620,989	825,630	33.0%
✗ Non Commercial	29,030	38,511	32.7%

IN BRIEF

- ✗ **Where industry sits today:**
- ✗ **Non Commercial beekeepers = 86.0%**
- ✗ **Semi Commercial beekeepers = 7.5%**
- ✗ **Commercial beekeepers = 6.5%**
- ✗ **Over 1800 new registrations in last 12 months and rising**
- ✗ -----

- ✗ **The semi & commercial sector own 95.6% of all hive holdings**
- ✗ **Crop estimate for the 2016/7 season – 16 to 18,000 MT**
- ✗ **Crop estimate per hive – 20 to 25 kilos**

ACTION PLAN

American Foulbrood Action Plan 2017 to 2022

Outcome:

American Foulbrood eradicated from New Zealand by 2030.

Our strategy to achieve the outcome:

**Make the American Foulbrood management system effective in detecting and eliminating all cases of Foulbrood.
Create a culture that supports compliance and a system of enforcement effective in dealing with non-compliance.
Equip all participants to play their role.**

Intermediate 5-year Outcome:

Reduce the measured incidence of clinical American Foulbrood to below 0.1% (from 0.32%) by 31 December 2022.

Our strategy to achieve the intermediate outcome:

Establish industry standards that:

- A. Recognise, reward and build on exemplary American Foulbrood management practice.**
- B. Recognise and affirm fully compliant American Foulbrood management practice.**
- C. Support non-compliant beekeepers to become compliant.**
- D. Make ongoing non-compliance untenable.**

THE FOCUS

- × Legal reform
- × Resources
- × Measurement & Monitoring
- × Communications & Engagement
- × Compliance
- × Training

THE DELIVERY

- ✗ **Legal reform**
- ✗ **Revise & update - including the levy order to ensure flexibility and fitness for purpose**
- ✗ **Ensure legal strength establish within the Plan to deliver compliance outcomes**
- ✗ **Engage with MPI to upgrade enforcement powers for Authorised Person**

THE DELIVERY

× Resources

- × Ensure financial targets are met in a fair and equitable manner to deliver required outcomes
- × Look to establish cost sharing arrangements with other beneficiaries that match the benefits they receive

THE DELIVERY

- ✖ **Measurement & Monitoring**
- ✖ **Fix or implement new reporting processes, Apiweb and establish checking procedures**
- ✖ **Extend surveillance activities, utilise new technology and scientific tools**
- ✖ **Institute rapid reporting to beekeepers and their neighbours to facilitate faster awareness and action**

THE DELIVERY

- ✖ **Communications & Engagement**
- ✖ **Empower, engage and listen as the facilitation of change takes place**
- ✖ **Increase frequency of communications on a best fit basis that meets stakeholder needs**
- ✖ **Champion a culture change to support improvements in systems and resources**

THE DELIVERY

✗ Compliance

- ✗ Foster a culture change that encourages compliance
- ✗ Reward compliant operators
- ✗ Support and educate non-compliant operators to facilitate improvement
- ✗ Improve enforcement systems and tools to make non-compliance untenable
- ✗ Extend the powers of Authorised Persons to enable better enforcement

THE DELIVERY

✖ Training

- ✖ Deliver training at all levels - review, refresh, build and share
- ✖ Target all new entrants including the worker network
- ✖ Develop in-house training within the larger beekeeping businesses to facilitate best practise opportunities to increase knowledge and skills

ENGAGEMENT

- ✘ The first draft of the plan has been circulated and consultation submissions received and considered
- ✘ MPI have been called to task and are now set to partner key elements of the revised plan moving forward, including potential enforcement options
- ✘ Apiweb is under review, a scoping exercise has been completed but more work is required
- ✘ The Operations Plan is now under full review and redevelopment – the old plan will be retired
- ✘ Communications has been stepped up to drive information flow and compliance

ENGAGEMENT

- ✘ **Electronic invoicing and ADR circulation has been adopted**
- ✘ **Text notification of AFB finds is operative**
- ✘ **New technology is being explored for real time reporting**
- ✘ **Surveillance sniffer dog trials are being instigated**
- ✘ **PCR spore tests for live bee samples and honey are being developed**
- ✘ **The AP2 (Authorised Persons Level 2) officers are being expanded**
- ✘ **Training programmes have been increased, including refresher courses**

WHAT WILL IT COST

- ✖ **The beekeepers will ultimately decide**
- ✖ **Historically we have invested around \$1.00 per hive per year – this has maintained the status quo at best**
- ✖ **What is the lost value of a hive to AFB – time, hive-ware, bees, wax, honey and future profits - \$1000, \$2000, \$3000 – to your business**
- ✖ **What are you prepared to invest in your Pest Management Plan**

WHAT ARE THE OPTIONS

- ✘ 1. Maintain the status quo, levy is at its maximum – but with some improved compliance tools
- ✘ 2. Tighten the mandate, drive a harder line, increase AP2 surveillance activity, strong compliance tools, potentially double the current levy
- ✘ 3. Industry agrees to attempt eradication of clinical signs of AFB from managed colonies in NZ, will require full support and a commitment at all levels to drive this outcome – levy potentially four or five times the current rate – actual to be determined

CONSULTATION

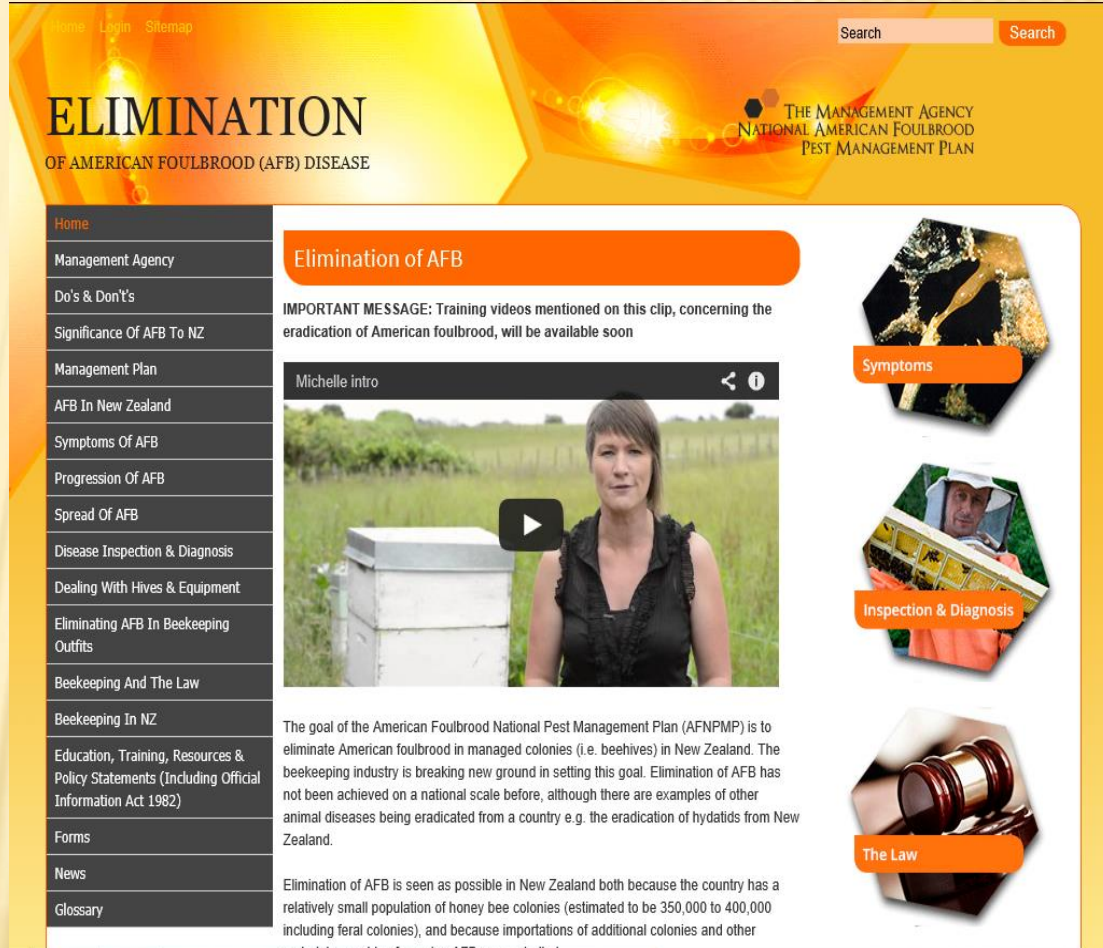
- ✘ **The AFB PMP Board will continue to consult and refine the 5 Year plan/Strategy as we progress towards a final position.**
- ✘ **MPI will be assisting in key areas such as enforcement and legislative changes**
- ✘ **Government and the Minister have endorsed progress to date and are supportive of the work programme being undertaken.**

WEBSITE – WWW.AFB.ORG.NZ

Use the tool provided:

It includes

- Symptoms AFB
- Disease Inspection
- Disease Diagnosis
- Dealing with Hives and Equipment
- Legal Requirements
- Take the 5 Minute Quiz
- Training Courses
- Sale and Purchase Agreement (Downloadable)
- Dedicated Hobbyist Corner
- On - Line Training



The screenshot shows the homepage of the 'ELIMINATION OF AMERICAN FOULBROOD (AFB) DISEASE' website. The header features a search bar and navigation links for Home, Login, and Sitemap. The main content area is titled 'Elimination of AFB' and includes an 'IMPORTANT MESSAGE' about training videos. A video player shows a woman, Michelle, in front of a beehive. The right sidebar contains three hexagonal icons with labels: 'Symptoms' (showing a close-up of a hive), 'Inspection & Diagnosis' (showing a person in a beekeeping suit), and 'The Law' (showing a gavel). A left sidebar lists various topics such as Management Agency, Do's & Don'ts, and Legal Requirements.

Home Login Sitemap

Search Search

ELIMINATION

OF AMERICAN FOULBROOD (AFB) DISEASE

THE MANAGEMENT AGENCY
NATIONAL AMERICAN FOULBROOD
PEST MANAGEMENT PLAN

Home

Management Agency

Do's & Don'ts

Significance Of AFB To NZ

Management Plan

AFB In New Zealand

Symptoms Of AFB

Progression Of AFB

Spread Of AFB

Disease Inspection & Diagnosis

Dealing With Hives & Equipment

Eliminating AFB In Beekeeping Outfits

Beekeeping And The Law

Beekeeping In NZ

Education, Training, Resources & Policy Statements (Including Official Information Act 1982)

Forms

News

Glossary

Elimination of AFB

IMPORTANT MESSAGE: Training videos mentioned on this clip, concerning the eradication of American foulbrood, will be available soon

Michelle intro

The goal of the American Foulbrood National Pest Management Plan (AFNPMP) is to eliminate American foulbrood in managed colonies (i.e. beehives) in New Zealand. The beekeeping industry is breaking new ground in setting this goal. Elimination of AFB has not been achieved on a national scale before, although there are examples of other animal diseases being eradicated from a country e.g. the eradication of hydatids from New Zealand.

Elimination of AFB is seen as possible in New Zealand both because the country has a relatively small population of honey bee colonies (estimated to be 350,000 to 400,000 including feral colonies), and because importations of additional colonies and other materials capable of spreading AFB are controlled.

Symptoms

Inspection & Diagnosis

The Law

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✗

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