

# Managing the impacts of EI on NZ during the 2007 Australian outbreak

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**BIOSECURITY**  
NEW ZEALAND



# **Purpose of this talk**


Provide information on MAFBNZ activities before, during, and after the equine influenza outbreak in Australia





# Main Point

MAFBNZ is aware of the impacts of equine influenza and seeks to mitigate them through:


- Preparedness work before EI 2007 (History)
  - Preparedness materials used during EI 2007 (Australian Outbreak)
  - Continued preparedness work (Future)
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# History




# Preparedness Prior to EI 2007

- Cost-benefit analysis
  - EI Operational Plan
  - NZEHA Draft Management Plan
  - AgriBase update
  - MAFBNZ Incursion Response System
  - Border Measures
- 


# Cost-Benefit Analysis

- Background for decision making
  - Harris report (2000)
  - Reed-Frost model
  - Scenarios for EI control
  - Eradication cost-effective
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# EI Operational Response Plan


- Critical response preparedness tool
  - Version updated in 2002 and 2006
  - Other operational resources
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# NZEHA Draft Management Plan

- Provides industry perspective
  - Combined technical and policy elements
  - John O'Flaherty of the NZEHA
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# 2005 AgriBase Upgrade

<b>Dataset</b>	<b>Records</b>	<b>Matched</b>	<b>Match %</b>
<b>Harness Racing Studmasters</b>	<b>45</b>	<b>32</b>	<b>71.1</b>
<b>Harness Racing Trainers</b>	<b>1,262</b>	<b>613</b>	<b>48.6</b>
<b>Thoroughbred Racing Studmasters</b>	<b>75</b>	<b>48</b>	<b>64</b>
<b>Thoroughbred Racing Trainers</b>	<b>1,235</b>	<b>603</b>	<b>48.8</b>
<b>Thoroughbred Racing Clubs (including hunt clubs)</b>	<b>78</b>	<b>13</b>	<b>16.7</b>
<b>Equestrian Sports</b>	<b>6,023</b>	<b>2,890</b>	<b>48</b>




# MAFBNZ Incursion Response System

Wellington  
Pastoral House



# Border Measures


- Request to AQIS for post-arrival quarantine PCR testing
  - Declined by Australia
  - Callinan enquiry
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# Australian Outbreak



# Response Initiation

- Communications with Australia
  - Communication with NZEHA
  - Notify NZ government agencies
  - Tracing and casing
  - Closure of the border
  - Quarantine lock-down
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# Response Stand-down

- Risk minimized
  - Response officially stood-down
  - Communication
  - Assess response
    - First hand experience in Australia
    - Debrief with NZEHA on NZ response
  - Plan future preparedness
- 




**Future**




# Cost-Benefit Analysis

- Modifications to Reed-Frost model
- Updated scenarios
- Eradication still preferred response option
- Keep EI out of NZ is most cost-effective
- Pre-emptive vaccination is least cost-effective option


# EI Operational Response Plan

- Revised/updated draft
  - Industry consultation
  - Internal review
  - Australian information and documents
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# Business Case

- Supply information and context for decisions
  - Response options
  - Likely response scenarios
  - Cost-benefit analysis information
  - Impact analysis information
  - Outlines urgent measures
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# 2008 AgriBase Update

- Increase coverage
  - Update existing records
  - Web registration form
  - [www.asurequality.com](http://www.asurequality.com)
  - Communications
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# 2008 AgriBase Update

<b>Dataset</b>	<b>Records</b>	<b>Matched</b>	<b>Match %</b>
<b>Hanovarians</b>	<b>115</b>	<b>84</b>	<b>73</b>
<b>Harness Racing Studmasters</b>	<b>38</b>	<b>33</b>	<b>86.8</b>
<b>Harness Racing Trainers</b>	<b>1,174</b>	<b>563</b>	<b>48</b>
<b>Donkeys and Mules</b>	<b>404</b>	<b>193</b>	<b>47.8</b>
<b>Thoroughbred Racing Studmasters</b>	<b>99</b>	<b>77</b>	<b>77.8</b>
<b>Thoroughbred Racing Trainers</b>	<b>1,251</b>	<b>605</b>	<b>48.4</b>
<b>Equestrian Sports</b>	<b>16,413</b>	<b>7,100</b>	<b>43.3</b>
<b>Pintos</b>	<b>147</b>	<b>72</b>	<b>49</b>
<b>Morgan Horses</b>	<b>63</b>	<b>34</b>	<b>54</b>
<b>Riding for the Disabled Groups</b>	<b>54</b>	<b>4</b>	<b>7.4</b>

# MAFBNZ Incursion Response System

- Simulation in May
  - Simulation in June (Whole of government)
  - Upgrades to field component
  - Training through use in responses
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# Other Preparedness Work

- International Animal Health Emergency Reserve
  - Import Health Standard amendments
  - Quarantine Standard
  - National standstill project
  - Vaccination project
  - Diagnostic laboratory capacity
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# Thank you



- IDC-Incursion Investigators
- NZEHA
- AsureQuality

