GLOBAL TRENDS IN ANTIBIOTIC RESISTANCE AND AVAILABILITY - A REGULATOR'S PERSPECTIVE

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OVERVIEW

- The issue
- Global perspectives
 - International forums
 - In-country developments
- Australia's approach
- Dairy industry implications
- The future

ANTIBIOTIC RESISTANCE

- Human pathogen resistance
- Reasons
 - human use
 - animal use
- Today's focus on animal use



VETERINARY USE OF ANTIBIOTICS

- Perceptions of control of use
- Antibiotic residues in meat, animal products
- Carriage of resistant bacteria
- Carriage of resistant genes

KEY IMPLICATIONS

- Availability of antibiotics
 - few new for human use
 - few new for animal use
 - existing products restricted/removed
- Trade



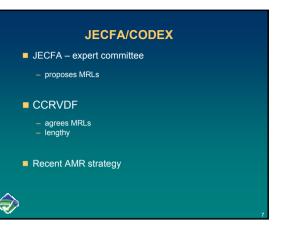
INTERNATIONAL FORUMS

- FAO/WHO/OIE Consultations later speaker
- JECFA/Codex
 - Draft Code of Practice
 - MRLs for veterinary antibiotics
- VICH data requirements
 - resistance development
 - microbiological ADIs
- APVMA actively engaged



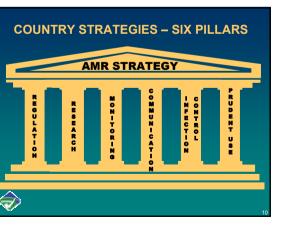


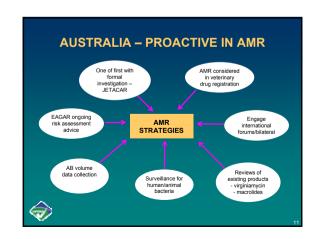


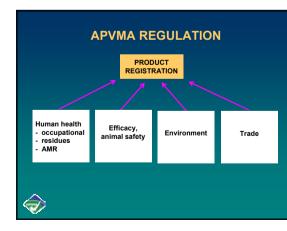












VETERINARY ANTIBIOTICS REGISTRATION

- Based on science, legislative criteria
- Expert advice on AMR
- Residues
 - potential dietary intake < ADI, ARfD



ISSUES FOR DAIRY INDUSTRY

- Restrictions on availability of antibiotics

 - prescription onlyhealth and welfare of animals
- Little new AB development
- Alternatives to antibiotics
- Trade/market access implications



THE FUTURE

- Continued concerns
 - medical community
 - public
- Improved communications



- Diminishing new products
 - preserve existing



THE FUTURE (cont.)

- Further access/use restrictions
 - human, animal
- Increased focus on AMR in registration
 - microbiological end-points
- Trade challenges
- Cooperative, science-based solutions

