



Massey University

Dairy Husbandry and Food Safety in NZ: A Veterinary Practitioner's Perspective

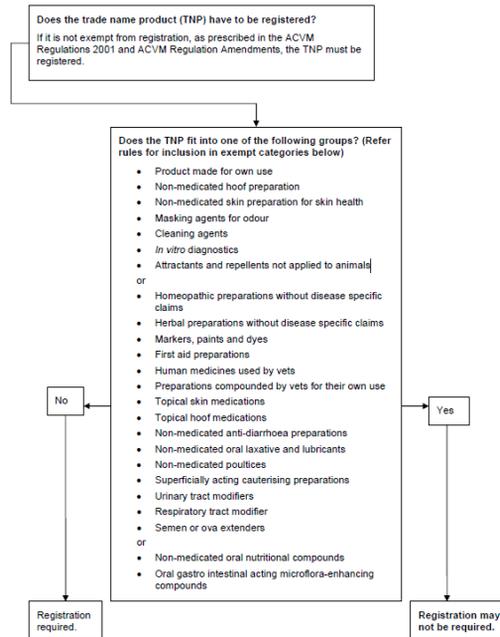


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ACVM

- Day-to-day, this is the key interaction
- All agricultural compounds and veterinary medicines must be registered
- Unless they meet requirements for exemption
 - Complex
 - Not simple
 - ? relevant for vet therapeutics, particularly in farm animals

Figure 1: Class Determination of Product Groups for Management of Animals



Day-to-Day Effect

- Product registration
- Product category
- Recording of use
 - Withhold periods
 - Statutory vs. Advisory
 - Inductions
 - Non-licensed products ('off-label')
 - Banned
 - Oestradiol

Key issues

- Dry cow treatment
 - Milk yield
 - Colostrum
 - Type of antibiotic
- Bobby calves
 - Treatment of the calf
 - Treatment of the dam

The risk management template

- <http://www.foodsafety.govt.nz/elibrary/industry/template-domestic-supply-farm-dairies/template.pdf>
- Good basic risk management
 - Compulsory for all farms
- 30 page document
- Links with code of practice:
- <http://www.foodsafety.govt.nz/elibrary/industry/dairy-nzcp1-design-code-of-practice/amdt-1.pdf>

Animal health highlights

1. Animals' teats must be clean and should be dry before applying the clusters.
2. Records must be kept of all diseased milking animals
3. Mastitis should be detected before clots are observed on the milk filter.

Antibiotic resistance

- Current and ongoing concern
- In dairy cattle
 - No real issues
 - Staph aureus mastitis
 - 30% isolates penicillin resistant
 - 70% in 1970s
 - Respiratory disease
 - Streptomycin
 - Low antibiotic use

Raw Milk

- 5 L of unpasteurised milk to people who intend to consume it themselves, or to provide it to their families.
- Must have a specific approved risk management programme.
- NZFSA stance is raw = high risk
 - Public perception?

A1 vs. A2 milk

- A1 > A2,
 - A1 'linked' to:
 - Heart disease
 - Type-1 Diabetes
- Can breed high A2 producers
- Demand?
- Public perception

Colostrum

- Human food product
 - Specific legislation to allow it to be sold
 - > 70 farms (more than organic)
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- impact on DCT
 - impact on calf health