

Medication Use in Feedmills

Consequences of getting it wrong!

PRIMARY
INDUSTRIES
& REGIONS SA
PIRSA

Margaret Sexton

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MORTALITIES ON FARM



**Deadly
Bacteria!**

Viruses!

Parasites!

**BUT, we should always
be thinking of...**



Medications & Residues in Feed



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Numerous Impacts

- **Not just animal health!**
 - **Trade & export markets**
 - **Consumer confidence & health**



- **The National Residue Survey (NRS) -Department of Agriculture and Water Resources (DAWR)**



Maximum Residue Limits (MRLs)

- Medications for livestock have MRLs for animal products as written in the Food Standards Code (FSANZ Food Standard Code Schedule 20 Maximum Residue Limits)
- **If not registered in a particular species then default MRL is nil**
- If a product exceeds the MRL:

**Investigation by authorised officers →
corrective actions/ prosecution**



Causes of residues

- Incorrect formulation and addition calculations
- Contaminated premix
- Contaminated ingredients
- Incorrect addition of medication (human or mechanical error)
- Cross contamination in mill processing (carryover from previous feeds)
- Contamination in storage bins (not complete emptying)



Controls in the feed mill

Monitoring programs, controls, and checks in place to prevent errors!

- Raw ingredients
 - Know the source
 - Testing the ingredients
- During processing
 - Prevent cross-contamination of different feed (especially in feed mills that provide for multiple species)
 - Know the source and test pre-mixes
 - Thorough sequencing and flushing
 - In-line testing
 - Cleaning equipment
- Feed delivery
 - Dedicated trucks for different types of feed/species
 - Cleaning vehicles



Controls when medicating animals

Withholding periods (WHPs)

- Animals that will be slaughtered or produce food for human consumption
- **Follow veterinary or registration advice – if unsure, ask!**
- Very important for animals or medicines that have no MRL (off-label use)

