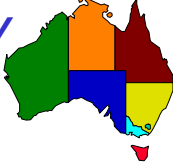


Australian Government  
Department of Agriculture, Fisheries and Forestry

# Australian National Residue Survey

## Cattle Programs



<http://www.daff.gov.au/nrs>

Australian Government  
Department of Agriculture, Fisheries and Forestry

## Managing residues in Australia

Regulation and control of use of pesticides and veterinary medicines

- Roles and responsibilities
  - Commonwealth Government - policy and standard setting
  - State/Territory Governments - regulatory / control of use

Requires coordination between Commonwealth and State Government Activities

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## Role of NRS

- Manages national testing programs for chemical residues in agricultural food commodities
  - AQIS certification in regards to chemical residues based on NRS programs
  - Support consumer confidence for products covered by programs
- Testing Programs in 2005/2006:
 

– 19,344 samples tested	
– Meat	11 species
– Fish	15 species
– grains	8 commodities
– horticulture	5 commodities
– honey	

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## NRS Funding

Full cost recovery since 1993

Cattle industry funding comes from:

- Cattle transaction levy: 29 cents to NRS
- Calf levy: 26 cents to NRS

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## Random Monitoring Program for Cattle

- Sample number is designed to meet overseas market requirements
- 5,543 samples were collected in 2005-06
- Samples are selected at random
- Testing is done for a range of chemical and veterinary drug residues

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## Targeted Testing Programs for Cattle

Targeted programs deal with specific residue issues

- For example, the National Antibacterial Minimisation Program deals with antibiotic residues in bobby calves

See next slide for list of these programs

## Targeted Testing Programs for Cattle

- NORM Program for OC residues
- NARM Program for antibacterial residues in bobby calves
- TART Program for antibacterial residues in all cattle
- HGP Program for EU cattle
- Endosulfan Program

## NRS Random Monitoring Program

Designed by NRS in consultation with AQIS, states and industry  
– to meet overseas market access requirements

NRS sends out sample request forms

Samples are collected by authorised officers (AQIS staff at export abattoirs)

## NRS Sample Request Form

**NATIONAL RESIDUE SURVEY**  
AGRICULTURE, FISHERIES AND FORESTRY - AUSTRALIA

PREL: WRITE LABEL OFF THIS FORM AND ATTACH TO OUTSIDE OF SAMPLE BAG

SAMPLE NUMBER: AG-4406E  
PRODUCT: REEF  
TISSE: 13VER  
ESTAB: 0155 STATE: TAS  
TSA: Foods  
TEST TYPE: TREN

SAMPLE DATE: 03/10/2000 SHFT SESSION: 2<sup>nd</sup> 3<sup>rd</sup> PRODUCTION PERIOD: ACTUAL B

FROM EU ACCREDITED PROPERTY: YES  NO  PRODUCT SUB TYPE: HE T F

PROPERTY ID: MABC 1234 AGESEX: 12 months/female  
INDIVIDUAL ANIMAL ID: MABC 1234 XB00001 BREED: hereford  
SLAUGHTER BODY NUMBER: 121

TOWN: Hobart STATE: Tas

COLLECTOR'S NAME: Joe Bloggs  
COLLECTOR'S SIGNATURE: J Bloggs

WEIGH (GROSS G) SPECIAL RESIDUE SURVEY (G) SEX (M/F) SECURITY BATCHES (M/F) SAMPLE NOT TAKEN

00007567A

## Sample Integrity

Samples are kept in secure storage and sent in tamper evident bags to an NRS contracted laboratory for testing



## NRS contracted laboratories

Tender process based on laboratory performance and value for money

Two year contracts

Ongoing laboratory performance is regularly monitored by NRS

## What are we looking for?

The NRS analytical program covers a range of possible residues including

- Veterinary drugs such as drenches or antibiotics
- Unauthorised substances such as some growth promotants
- Pesticides such as organochlorines or organophosphates
- Environmental contaminants such as lead or cadmium

### What level of residue is permitted?

Samples must meet the Australian Maximum Residue Limit (MRL) set out in the Food Standards Code

For some substances the MRL is zero

**It is important to note that some overseas markets may have more stringent requirements ie lower MRLs**

### What happens if a sample has residues over the MRL?

NRS provides details to the relevant state or territory authority

S/T carries out a traceback investigation to identify the source of the residue

It is an offence to produce meat with residues in excess of the MRL and prosecution may result

### What happens when a sample meets the MRL?

NRS stores the result on its database

The data is used for reporting purposes eg. in the NRS Annual Report

Currently producers are not notified but NRS is investigating ways of reporting results back to individual cattle producers

### Where are results reported?

- Laboratories report results to NRS
- NRS reports results to
  - State Governments & AQIS
  - Industries : quarterly to annually
  - Public
    - annual results report
    - Internet : [www.daff.gov.au/nrs](http://www.daff.gov.au/nrs)
  - Overseas authorities : annually

### NRS Monitoring Results – Cattle 2005 - 2006

5,543 samples were collected

Only four contained residues above the MRL

- Two contained antibiotic residues
- Two contained lead residues

### This presentation was a brief overview of NRS cattle monitoring

For more detailed information, please contact the Manager – Animal Programs :

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