

Food Safety Systemsindustry and government working together

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Outline

- Government Industry partnership
- Australian red meat industry
- Government role
- Industry programs
 - livestock identification
 - production assurance
 - processing controls
- Outcomes
 - animal health
 - residues
 - microbiological quality



Food Safety: global concern

- increasing incidence of foodborne diseases in humans
 - larger susceptible population
 - less processed foods eaten in Western countries
 - new foods as sources of contamination
- diseases of animals that can be transmitted to humans



Food safety partnership

GOVERNMENT

- policy
- standards
- enforcement
- certification

INDUSTRY

- systems
- hygienic practice
- HACCP
- compliance

SAFETY
TRADING STANDARDS

MEET CUSTOMER EXPECTATIONS



Government infrastructure

Commonwealth

- export legislation and certification
- market access
- food standards

State

- animal health surveillance
- control of chemical use
- inspection

Local

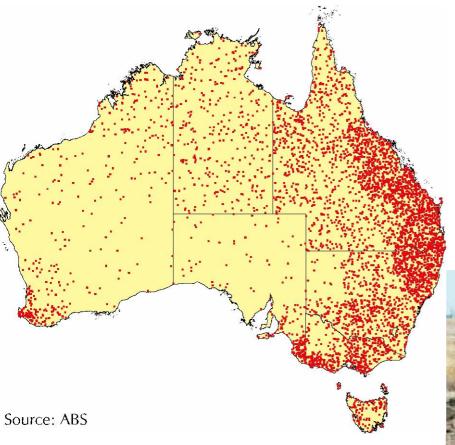
retail inspection



Australian red meat industry



Cattle

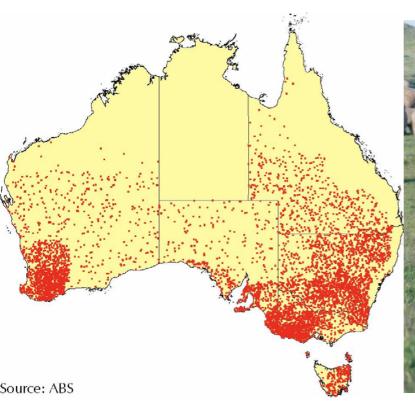








sheep

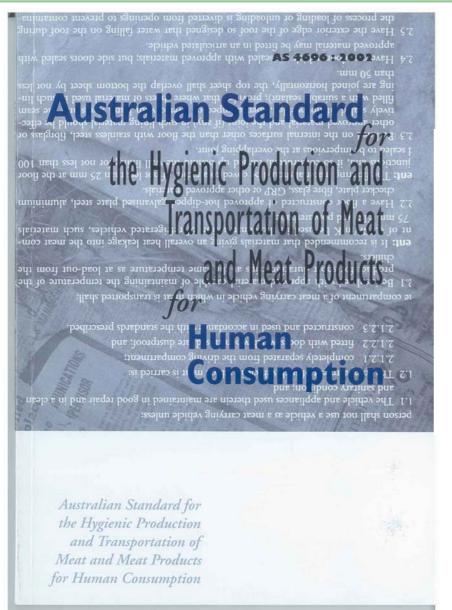






Government role







Export Control (Meat and Meat Products) Orders 2005



Export meat processing

- registered with AQIS
- follow
 - Australian Standard
 - Export Orders
 - country requirements
- traceback and trace forward
- approved arrangements
 - quality system
 - good hygienic practice
 - HACCP







Domestic meat processing

- Australian Standard
 - state-based meat/food authorities
- FSANZ Food Standards Code
 - new 'through chain' standard to be developed



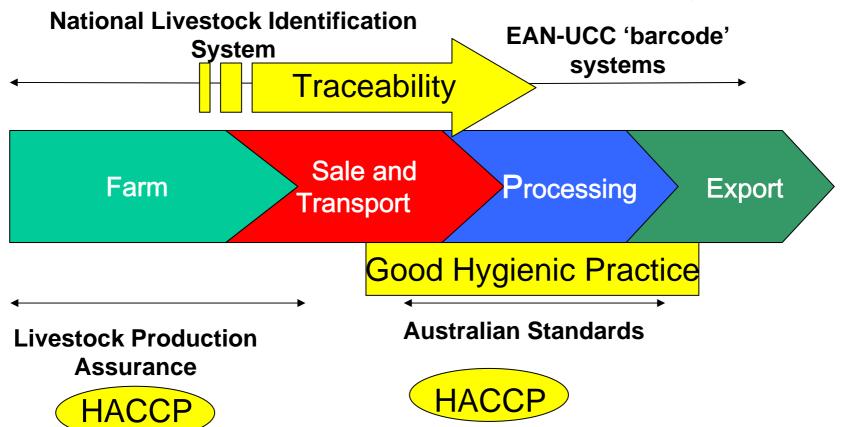


Industry programs



Industry controls







National Livestock Identification System: technology

Radio frequency

Ear tags and boluses

Breeder and post breeder device

Common readers









Assurance of product identity





(01)9931 234587891 7/31 03)002320/13)0001 05/31 143345878

YP STRIPLOIN

IW/VAC

Pkd On 5-JAN-2000 11:04

Batch 0636

23.20kg 51.10lb

NETT WEIGHT PRODUCT OF AUSTRALIA

DOMESTIC

Keep Chilled

EST. NO. 9999



National Livestock Identification System (sheep)





- Ear tag applied on property of birth
- Colour indicates year of birth



Livestock Production Assurance Scheme

- HACCP- based On Farm Food Safety
- Identified hazards
 - Chemical Residues (Veterinary and Agricultural)
 - Potential transmission of TSEs through Meat and Bone Meal
 - Cysticercus bovis (beef measles)

LIVESTOCK
PRODUCTION
ASSURANCE

TM



- 1. Property risk assessment
- 2. Safe and responsible animal treatments
- 3. Stock foods, fodder crops, grain and pasture treatments
- 4. Preparation for dispatch of livestock
- 5. Livestock transactions and movements











NATIONAL VENDOR DECLARATION (CATTLE)

AND WAYBILL First edition, March 2004 This form cannot be used where eligibility for the EU market is required. Part A To be completed by the owner or person who is responsible for the hasbandry of the dattile. Owner of gattle____ Property/place where the journey commenced_ Property Identification Code (PIC) of this property Description Number Description PIC on Transaction Tigg. Branda, Carmarka of gattle REMED, RES. E.C. MEMORSHIP CHOICE SPECIAL OF DIFFERENCE PROBESTINGS SHICK MUSICIFIE OF PROJECT OF REQUIRED Consigned to . Destination (if different) of gattle_ Do the cattle in this consignment carry on NLIS device?

Yes No Don't know Lifetime traceable? Yes No. If yes, number: Details of other statutory documents relating to this movement e.g. animal health certificate DOD IMMEDITING Part B. To be completed by the person who is responsible for the husbandry of the cattle. 1 Have any of the cattle in this consignment ever in their lives been treated with a hormonal growth promotant (HGP)? [Use a second document for mixed consignments.] ☐ Yes ☐ No ☐ Don't know 2 Have these cattle been raised consistent with the rules of an independently audited QA program on the property the PIC of which is shown above? Yes No If Yes, give details: Were all of the cattle born and raised on the vendor's property? ☐ Yes ☐ No ☐ Dan't know — if No, how long ago were the cattle obtained or purchased? (If purchased at different times, tick the box corresponding to the time of the most second purchase.) ☐ Less than 2 months ☐ 2-6 months ☐ 6-12 months ☐ more than 12 months 4 In the past 60 days, have any of these cattle been fed by-product stockfeeds?

| No. | No. | Dead beautiful for the product stockfeeds, date when feel test ☐ Yes ☐ No ☐ Don't know and a core of an analyst's report if evaluate. 5 In the past 6 months, have any of these dattle been on a property listed on the ERP database or placed under grazing restrictions because of chemical residue?

If Yes, give details: ___

☐ Yes ☐ No ☐ Don't know

6 Are any of the cattle in this consignment still within a Withholding Period (WHP) or Export Slaughter Interval (ESI) following treatment with any veterinary drug or chemical?
☐ Yes ☐ No ☐ Don't know If Yes, give details: (Faccord additional details in question 5)
SHAREL MODEL
7 In the past 60 days, have any of these cattle consumed any stockfeed that was still within a WHP when harvested or first grazed?
☐ Yes ☐ No ☐ Don't know If Yes, give details:
Detect theoret are the desired of the property
8 In the past 42 days, were any of these cattle: a) grazed in an endosulfan spray risk area; or b) fed fodders out from an endosulfan spray drift risk area? (See Explanatory Notes for definition of b) fed fodders out from an endosulfan spray drift risk area.)
☐ Yes ☐ No ☐ Don't know — Date sprayed
☐ Yes ☐ No ☐ Don't know Date sprayed ☐ on I work was 9 Additional information: see requirements in Explanatory Notes for completing this document.
Part C To be completed by the owner or person who is responsible for the hasbandry of the cattle.
ı v
PLLI DEDITION HELLENG MELLENG MARCONE
declare that, I am the owner or the person responsible for the husbandry of the cattle and that all the information in part A of this document is true and correct.
(if this document is MOT delay used as a Matteral Menuter Declaration, the following purugingsh may be delated and part if receil not be complained.)
As the person responsible for the husbandry of the cattle, I also declare that all the information in part B
of this document is true and correct, that I have read and understood all the questions that I have answered, that I have read and understood the explanatory notes, and that, while under my control, the cattle were not
fed restricted animal material (including meat and bone meal) in breach of State or Territory legislation.
Signature: DerteTell no
Part D To be completed by the person in charge of the cattle while they are being moved. Completion of this part is optional in SA, TAS and VIC.
Movement commenced: : (am/pm) Driver's licence no
Movement commenced:
am the person in charge of the cattle during the movement
and declare all the information in Part D is true and correct.
Signature Date Jelino.
Signature
Part E Agents declaration for cattle sold at auction.
Completion of Part E is optional, by agreement between the selling agent and the buyer. Salayard agents completing Part E should retain the original declaration for a minimum of two [2] years, or three [3] years in WA and supply a copy to any buyer on request.
Vendor code Agent's code
Stock agent company
Buyer's name Destination PIC
No. of cattle purchased Saleyard arrival time (am/pm)

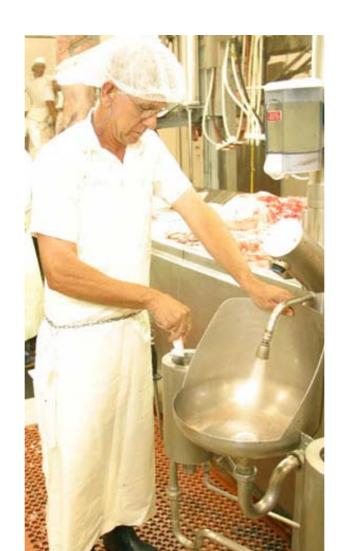


Processing





Knife sterilisation - handwash





Boning carcase





Post mortem inspection





Food safety outcomes



Animal Health

Disease Last of	occurrence
DISEASE LASI C	occurrent

Food and mouth disease 1872

Vesicular stomatitis Never occurred

Rinderpest 1923

Sheep pox Never occurred

Contagious bovine 1967

pleuropneumonia

BSE Never occurred

Scrapie 1952



Animal Health

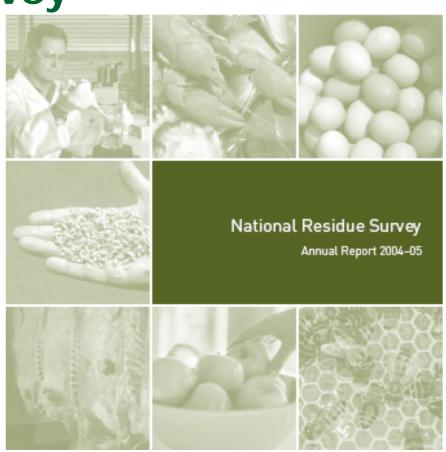


www.animalhealthaustralia.com.au



National Residue Survey

- government survey
- all commodities
- 14,503 meat samples tested in 2004-5
- 190,163 analyses performed
- 4 residues found for agvet chemicals in edible tissue





Microbiological monitoring system

- System follows USDA
 Pathogen Reduction Program
- Monitors:
 - Cleanliness of working surfaces
 - Microbial status of carcases
- E. coli Salmonella Monitoring (ESAM) system
- Began in 1998





E. coli beef carcase monitoring

% positive (98th percentile)

Year	Steers/Heifers	Cows/Bulls
2000	4.3% (0.20cfu/cm ²)	8.1% (0.8 cfu/cm ²)
2001	3.2% (0.16)	6.1% (0.4)
2002	3.3% (0.16)	8.0% (0.4)
2003	3.0% (0.08) 7.1%	
2004	2.9% (0.08)	6.7% (0.3)



Salmonella beef carcase monitoring

% positive

Year	Steers/Heifers	Cows/Bulls
2000	0.14%	0.57%
2001	0.19%	0.40%
2002	0.23%	0.31%
2003	0.22%	0.59%
2004	0.06%	0.47%



E. coli sheep carcase monitoring

% positive (98th percentile)

Year	
2000	27.1% (15 cfu/cm ²)
2001	20.0% (6)
2002	24.7% (6)
2003	25.6% (7)
2004	19.5% (5)



Salmonella sheep carcase monitoring

% positive

Year	
2000	0.82%
2001	0.67%
2002	0.29%
2003	0.25%
2004	0.66%