Beef Welfare:A Canadian Perspective

K.S. Schwartzkopf-Genswein Nov 28 - Dec 1, 2006 Jaboticabal, Brazil

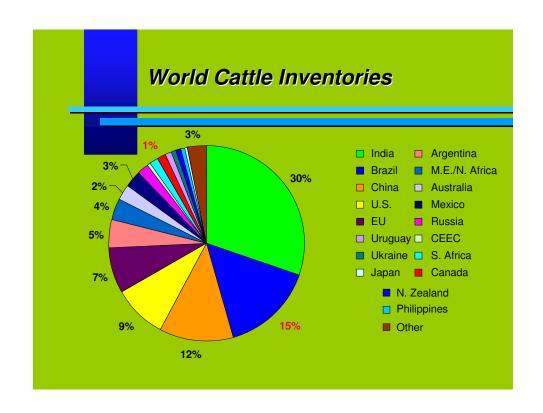


Points to cover

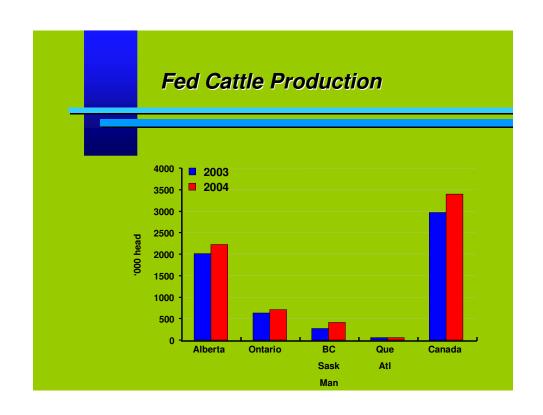
- Cattle industry in Canada- General Overview
- Welfare Issues for Beef cattle
- Methods of welfare assessment

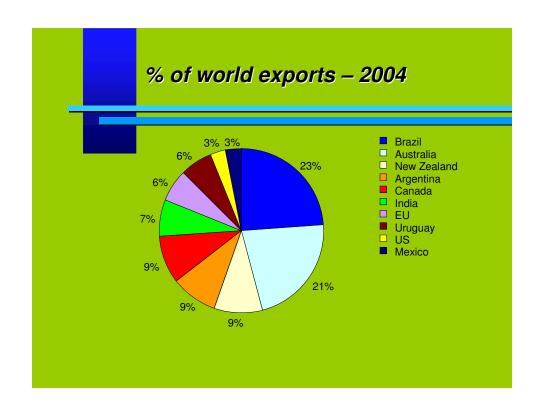
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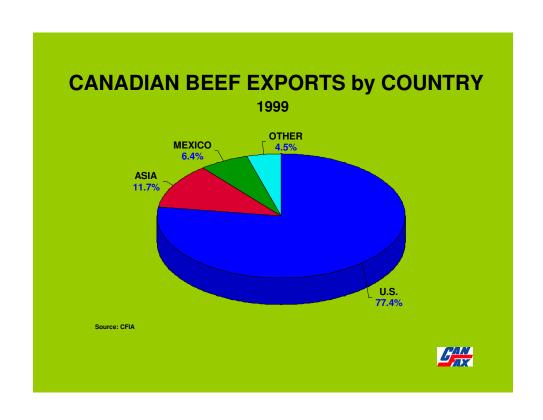
- Welfare Issues and Research
 - Routine Management Procedures
 - Husbandry
 - Health
 - Transport

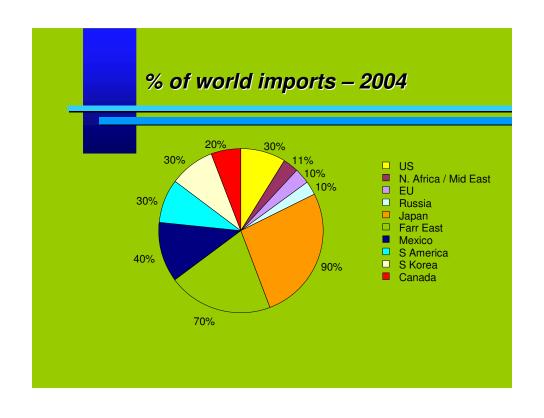


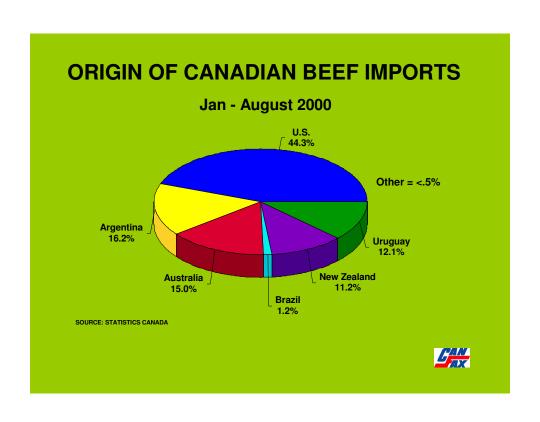


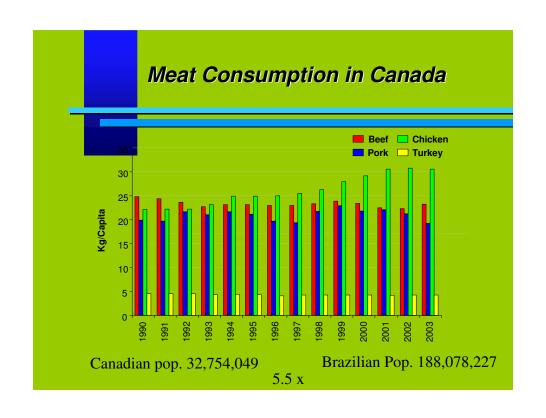


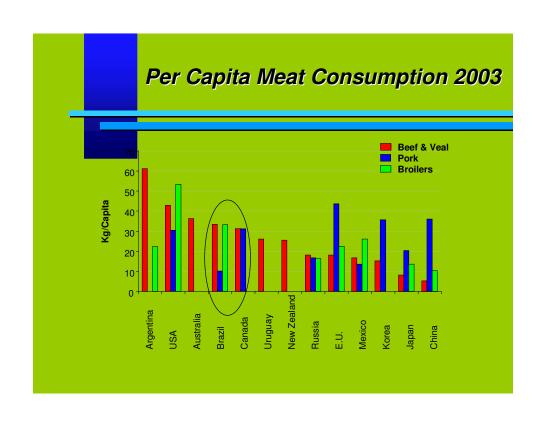


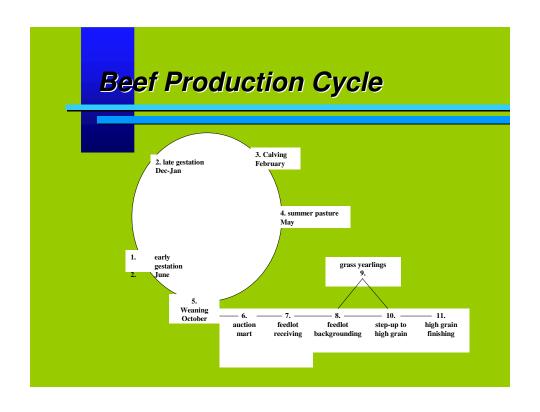






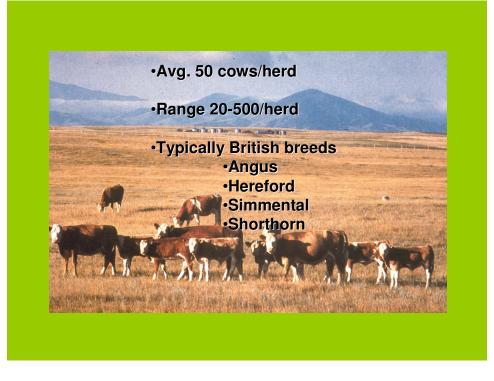












Calf Management





- National ID
- Branding
- Castration
- Dehorning
- Immunization, growth implant
- Preconditioning



Preconditioning

- Developed to reduce large economic losses associated with high morbidity and mortality due to BRD in highly stress calves
- Weaned minimum of 45d
- · Castrated and dehorned 3 wks before shipping
- · Vaccinated 3 wks and 4 month of age
- Eating solid feed/ familiar with eating from a feed bunk

Ranch to feedlot

- Weaned
- Ranch direct
- Auction Market (mixing)
- Transport 1h- 48 h
- Feedlot Receiving calves



Receiving Calf Management

- Re-tagged
- Branded
- Castrated ?
- Dehorned?
- Growth implants
- Vaccination
- Parasites







Backgrounding

- Growing out of calves before they are fed a high energy diet
- Roughage cheapest feed
- High forage diets promote slower rate of gain
- Will reach market condition at too light a weight if feed higher concentrate diets
- Pasture or feedlot (90 d)
- - 70% forage (barley silage)30% grain

 - Transition diet



Transition Diets

40% to 90% grain in 21 days 5% increments every 3 days





Finishing

- 80-90% concentrate- Barley grain
- Finish weight 450-600 kg
- Economies of scale
- Southern Alberta
 - ◆ Dry climate
 - ◆ Warm winter (avg. -9 °C)◆ Close to markets





Major Challenges Confronting Animal Agriculture

- Environmental Issues
- Food Safety
- Welfare



What is Welfare?

• A multifaceted concept combining animal, technical, legal, and human perspectives.

Perspectives

- Animal's perspective, welfare may be defined as the ability to cope with the environment.
- The legal and human definitions described in terms of freedoms, needs and rights. The term "right" simply refers to the human consideration of animals.

Technical perspective

- Reproduction and mortality rates
- Adrenal activity (stress related),
- Abnormal behaviour,
- Severity of injury
- Degree of immunosuppression or incidence of disease.
- In general, poor welfare results in the reduced fitness of the animal.

Ultimately

 Establishment of animal rights and freedoms provide a standard to ensure that animals under the care of humans are in "good" physical and mental health and able to adapt to their environment without suffering.

Welfare vs Rights Movement

- We have a moral obligation to treat animals humanely.
- Public concerns about welfare should not be confused with the "animal rights movement".

Codes of Practice

- Guideline for the proper care and handling of livestock.
- Ultimately, serve to increase the consciousness of the livestock industry and promote self-imposed regulation instead of forced legislation.

New Emphasis on Animal Welfare for Food Animals

- Pressure for science-based standards in welfare for international trade (OIE)
- Retailer (McDonalds, Burger King, Food Marketing Institute) welfare audits
- Shift from voluntary codes to auditable welfare standards (Pork and Egg Producers)

Codes of Practice vs Auditable Standards

- Codes serve to increase the consciousness of the livestock industry and promote self-imposed regulation instead of forced legislation.
- Better recommendations for codes
- Are the codes adequate?????

Animal Welfare Audit Programs

- Designed to provide NCCR and FMI members a credible 3rd party audit of their suppliers
- Provides suppliers an objective, consistent and through evaluation of their animal welfare practices and a single audit that is endorsed by NCCR and FMI member companies

(AMI, Kansas, 2004)

Animal Welfare Audit Programs (USA)

- ISO compliant
- Slaughter audits
- Production agriculture audits
- \$550/audit –admin fee cost of auditor separate

Key Areas of concern

- Acute and chronic pain due to surgical interventions, injuries or lameness
- Disease and mortality
- Impact of genetic selection on welfare
- Techniques to carry out on farm euthanasia
- Overall staff training and education

Welfare Concerns for Beef Industry and Public

Dehorning 4/5
Castration 3
Hot-iron branding 9/10
Use of whips prods 6/7
Humane transportation 8/9/10
Live animal exports 4/5

CCA, 1999

Five Focus areas

- Painful Procedures- dehorning, castration etc.
- Husbandry- transport, handling, feed restrictions
- Livestock Health- early detection of sickness, reduction of antibiotic use
- Housing Environment- housing environment, air quality
- Developmental- discovery of new methods to assess welfare