




Traceability and the Canadian Livestock Value Chain

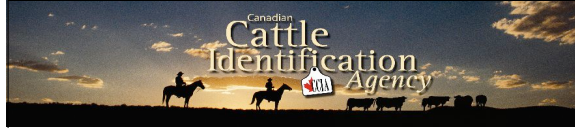


Protecting the Health and Safety of our Livestock Industry



2008 BIF 40th Annual Meeting
June 30th - July 3rd
Calgary Alberta Canada





Points of Discussion


- **Canadian Livestock Traceability and Value Chain Strategy**
- **Global Traceability**
- **Traceability System Components**
- **Value Chain benefits/opportunities**
- **Next Steps**





Canadian Livestock Traceability and Value Chain Strategy

- ✓ **Increase consumer confidence**
- ✓ **Increase market access**
- ✓ **Remain competitive**




Global ID and Traceability 						
Country	Program	Species	Voluntary or Mandatory	Year Implemented	Current type of ID device used	Production Cycle covered
Argentina	Export Cattle Identification System	Cattle	Mandatory for Export	2003	Visual Ear Tag	Farm of Origin to Slaughter
Australia	National Livestock Identification System	Cattle Sheep Goats	Mandatory	Cattle Premises Registration since 1960; Indiv ID in 2005. movement in 2006 Sheep and goats: Initial implementation in 2006; full implementation in 2009	Cattle: electronic RFID ear tag or rumen bolus combination Sheep and Goats: visual ear tags	Farm of Origin to Slaughter
Brazil	Brazilian System of ID and Certification of Origin for Bovine and Buffalo	Cattle and Bison	Mandatory	First Phase 2002: Mandatory - export to EU Second Phase 2006: Mandatory - all foreign exports Third phase 2006: Mandatory for all Foot and Mouth disease areas Fourth Phase 2007: All beef producers	Visual ear tag combined with button ear tag, electronic device, tattoo or iron brand	Farm of Origin to Slaughter

Global ID and Traceability (cont'd) 						
Country	Program	Species	Voluntary or Mandatory	Year Implemented	Current type of ID device used	Production Cycle covered
European Union		Cattle, buffalo, bison, sheep, goats, equine, swine	Mandatory	Cattle, buffalo, bison and equine - 2000 Sheep and goats - 1992 Swine - 1992	Cattle, buffalo, and bison; double ear tag and passport Equine: passport Sheep and goats: double ID Swine: ear tags or Tattoos	Farm of origin to retail
Japan	Beef Traceability Law	Beef Cattle	Mandatory	2003	Ear Tags with minimum requirements	Farm of Origin to Retail

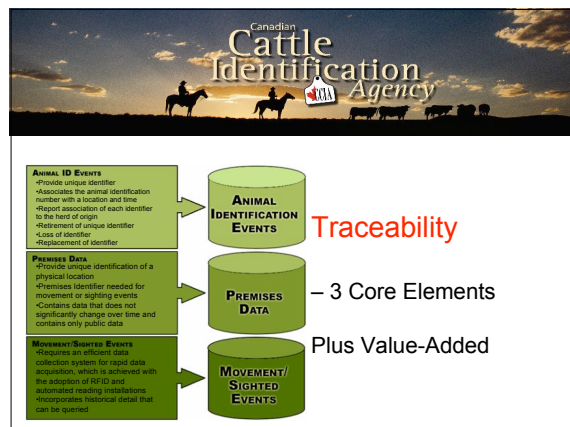
Global ID and Traceability (cont'd) 						
Country	Program	Species	Mandatory or Voluntary	Year Implemented	Current Type of ID device used	Production Cycle covered
Canada	CCIA Canadian Sheep Identification Program	Cattle and Bison Sheep	Mandatory	2001	1999 - Bar Code Tags 2005 - 124 RFID tag 2005	Farm of Origin to carcass inspection or export
United States	NAIS - National Animal Identification System	Focus on Tier 1 - Beef and Dairy Cattle	Voluntary - ability to identify 70% of breeding animals to their premises of origin by Dec 2009 - focus on disease programs	2004	Technology Neutral - Approved NAIS devices - 840 RFID Tag	Premises of Origin to Point of Slaughter

The Canadian Livestock Traceability System

- ❖ Phased in implementation – 10 years
- ❖ National Administrator
- ❖ Proven successful industry/government partnership
- ❖ Industry Sustainable
- ❖ National Standards
- ❖ 99% program compliance
- ❖ Invaluable assistance during BSE Investigations
- ❖ Multi-species
- ❖ Value-Added services
- ❖ WLIC/USDA

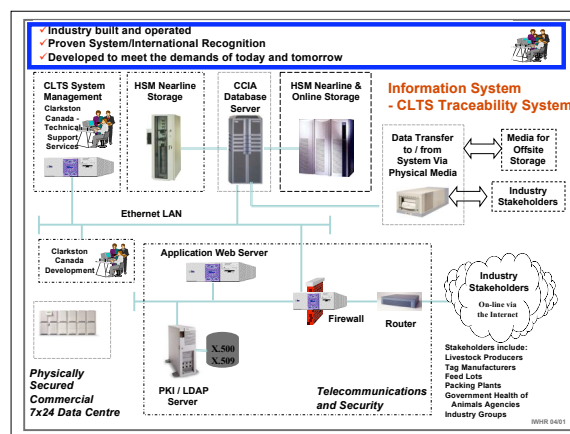


Ear tags now applauded



National Identification and Traceability - Key Components

- Information System
- Legislation/Regulations
- National Standards
- Technology
- Communications



Legislation/Regulations

Canadian Food Inspection Agency / Agence canadienne d'inspection des aliments

- The Canadian Federal Health of Animals Act - Section 64. (1) (y) is the Canadian Federal Government Legislation providing for:

"A National Identification System for animals for the purpose of determining the presence of and controlling or eradicating animal disease"
- Compliance and Enforcement Strategy

Protecting our Industry - Animal Health Investigations

Information as provided to CFIA for BSE Investigation:

- contact information of producers involved in the investigation
- tag inventory of all suspect/quarantined herds involved in traceout
- tag history/activity on all tag numbers
- retirement data from packing plants and deadstock operators
- export data on Canadian cattle moving into the US
- CCIA tags were key to confirming the herd of origin

*** International review committee very complimentary of the BSE investigations**

Canadian Livestock Tracking System

Home My Account Events Search Reports Admin Contact Us Help Log

Tag/Animal History

Tag Details
Shows a list of tags that have been associated with this animal

Tag Data
R/O Code: 00114000299982191
Sub-Type: CCA Beef
Tag Label(s):

Tags Associated with this Animal
Click the specific tag to view all tag events recorded with the tag.
CCA: 00114000299982191

Below is a summary of the key details associated with this Animal

cc High Animal Details

Attribute	Value	Event	Event Date
Breed	Angus	Schedule	01-Aug-2006 12:00 MDT
Date of Birth	01-Mar-2006 (CS AI)	Schedule	01-Aug-2006 12:00 MDT
Sex	Heifer	Schedule	01-Aug-2006 12:00 MDT
Species	Cattle	Schedule	01-Aug-2006 12:00 MDT

Tag/Animal History
This list below is a summary of the events submitted for this animal. For a detailed view of each event, please click the associated Event. Please Note that the information displayed is for events that you have permission to view.

Event	Date	Source Account/Premises	Dest Account/Premises	Recording Tag	Source Trans ID
Tag History					
Received	01-Mar-2006 12:00 MDT	CCA Adminstr (A0004100)	Tag Company (A0004100)	00114000299982191	7531034952
Delivered	15-Jun-2006 12:00 MDT	Tag Company (A0004100)	Tag Dealer (A0004100)	00114000299982191	7531034952
Used	01-Jul-2006 12:00 MDT	Tag Dealer (A0004100)	Producer Smith (A0004100)	00114000299982191	7531034952
Animal History					
Received	01-Aug-2006 12:00 MDT	Producer Smith (A0004100)	Producer Smith (A0004100)	00114000299982191	7531034952
Delivered	01-Sep-2006 12:00 MDT	CCA Adminstr (A0004100)	Producer Smith (A0004100)	00114000299982191	7531034952
Used	10-Sep-2006 12:00 MDT	Producer Smith (A0004100)	Feedyard (A0004100)	00114000299982191	7531034952
Delivered	01-Feb-2007 12:00 MDT	Packing Plant Inc. (A0004100)	Feedyard (A0004100)	00114000299982191	7531034952

CCIA

Canadian Cattle Identification Agency

National Standards

- Premises ID/Account ID
- Individual Animal (Group) Identification
- Identification Devices (tags)
- Tag Distribution
- Data Reporting
- National Audits
- Animal Movement
- Zoning
- Age Verification



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Technology

CCIA Approved RFID Tags




Allflex FDX, Allflex HDX, Destron, Y-Tex, Ketchum, Zee Tags

Field Technology



Canadian Livestock Tracking System

COMMUNICATIONS




Canadian Cattle Identification Agency

Value-Added?

- Expand markets domestically and around the world
- Secure access to a diverse portfolio of international markets for all products
- Clearly differentiate Canadian beef from competitors i.e. animal health, food safety, production, quality, image, etc.

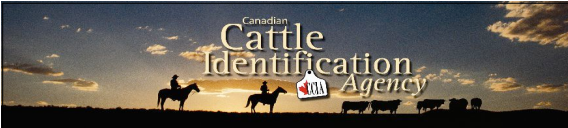

Requirements for Value-Chain Success

- Partner with existing, successful entities, using established programs and technology
- Work at the speed of commerce
- Participation and closed data loop between **all livestock sectors**
- Defined information sharing protocol
- Value to entire chain, beginning with producers
- Maximize benefits from existing system
- Automate only where it lowers cost or adds value





The Canadian livestock Traceability and Value Chain System

- meet expanding domestic and international requirements
- improve animal health emergency response capabilities
- ensure full system compliance
- enhance interface with other groups
- facilitate multi-species
- ensure continued long term sustainability
- increase Domestic and International Harmonization



Thank you!

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