RFID ON-FARM AND ADT

DISCLAIMER

Any products or companies represented are a representation only and are not to be considered as being an endorsement by the USDA

WHY GO THERE?

Faster data gathering

More accurate data

Saves Labor

Ability to intensively manage larger flocks

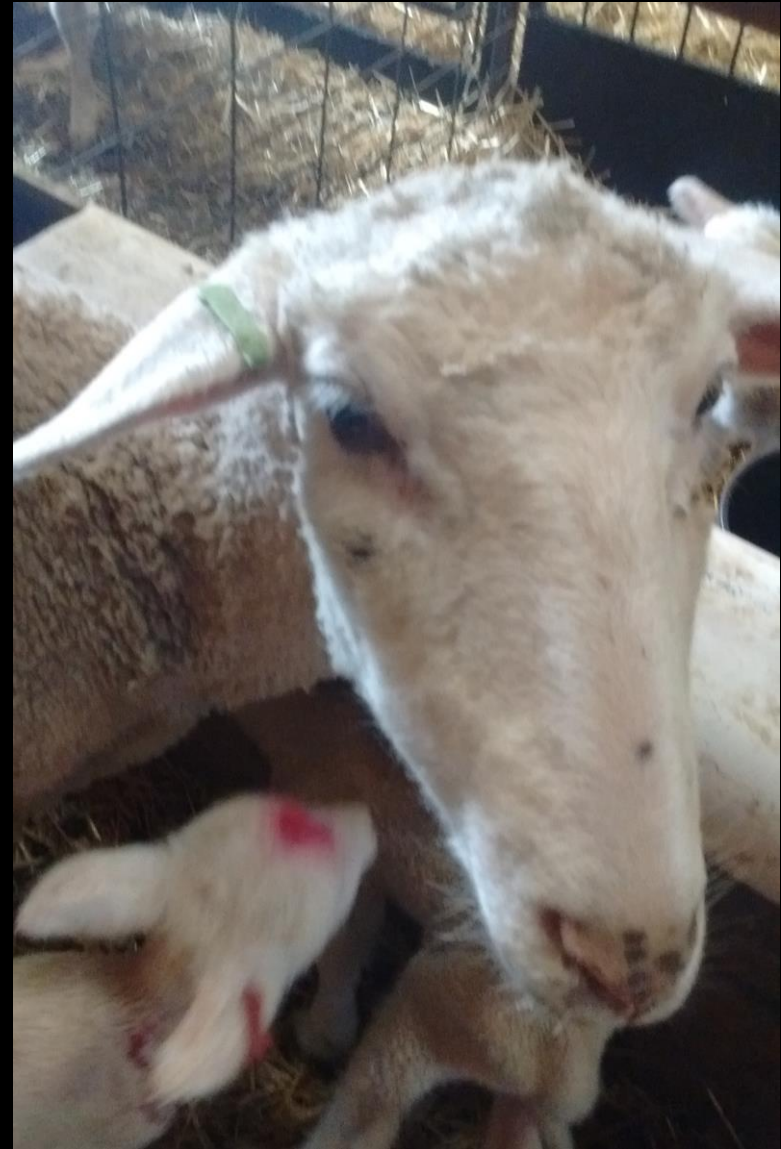Follow animals through the supply chain

Disease Traceability
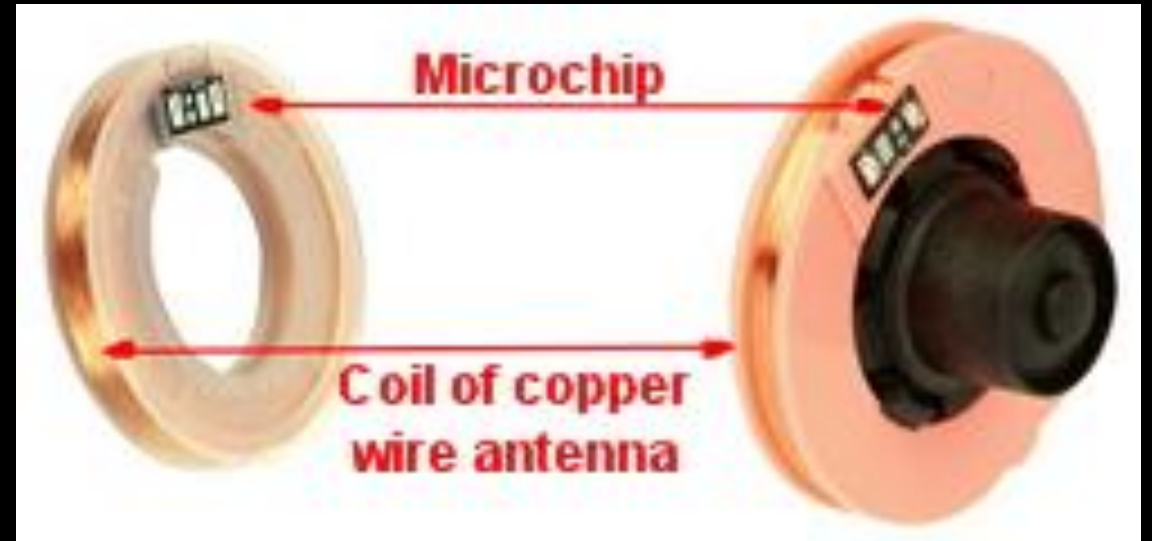
COMPONENTS

RFID Device

Ear tag

Implant

Bolus

TAG TYPES

RFID SCRAPIE APPROVED

- Also Referred to as RFID 840 tag

- Must have a Scrapie Flock Number

- Must have a National Premise Number

- The 840 Scrapie tag will have the 15 digit RFID number   printed on it

- The RFID number must start with 840

- The RFID number will be linked to your Scrapie Flock Number in USDA

- Producer cannot choose what RFID numbers they get.

PURCHASING 840 RFID TAGS

- Must order through an approved vendor

- QR to the right will lead you to the USDA

- Must supply your Scrapie Flock Number

- Must supply your national Premise Number or Location Identification Number

- The Flock Number and Premise Number must be linked together by the USDA databases – can take some time

- Several colors possible but generally not Blue

- You can call 866-873-2824 (866-USDA-TAG) to obtain identification numbers.
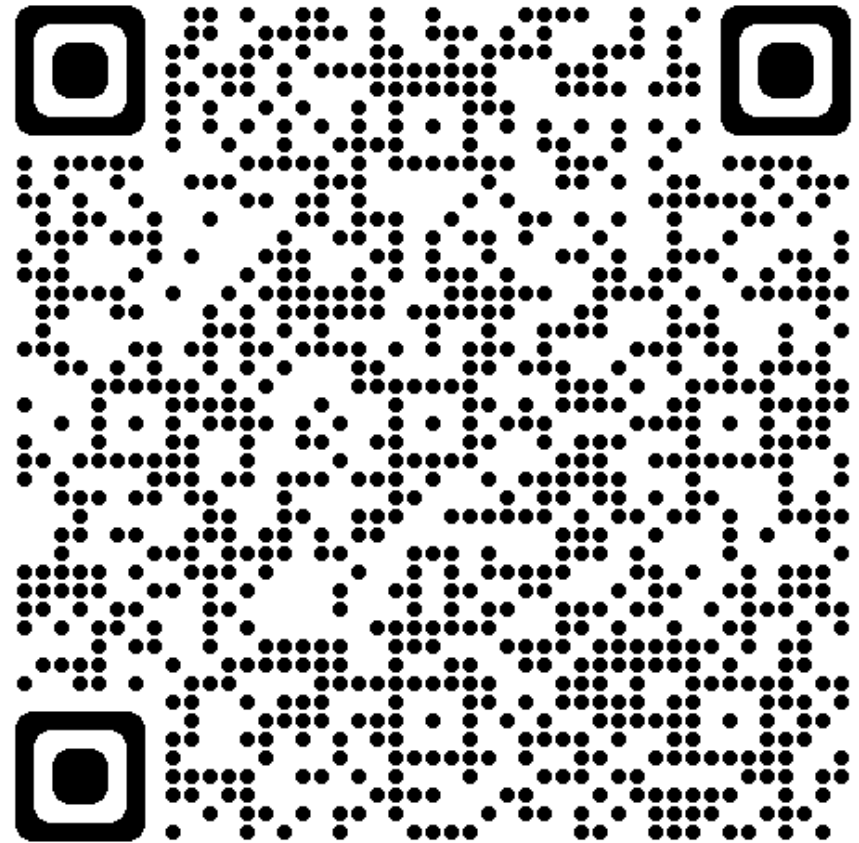
COMPONENTS

- EID Readers
- Stick Readers

- Data loggers

- Panel Readers

COMPONENTS

Sorters

Panel Readers

Scales

COMPONENTS

- **Software**

- Can be basic to complete flock management

- Good software makes the data collected more valuable.

EID tag introduction in the UK

2010

- Breeding stock: 1 x EID, 1 x visual
- Bolus or ear tag – vast majority ear tags
- Under 12 months – 1 x visual tag, flock mark only
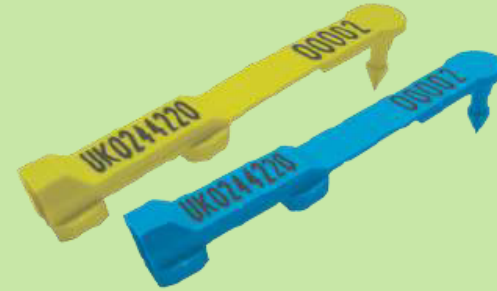
2015

- Slaughter tags upgraded to EID (industry pressure)

Goats – can follow above or 2 visual tags (but no export)

UK REGULATIONS

Farm records / regulations

On farm recording:

- Tags allocated, animals bought / sold / deaths / medicine book / annual inventory. Records can be inspected at any point.

External reporting:

- Only movements need to be reported.
- Paper (20%) or online (80%)
- Individual numbers (except slaughter lambs – batch optional).
- Critical control points (markets) can do reading.

UK MARKETS

Livestock markets

- Two methods of reading – stick reader or race reader
- Data capture critical – not just tags but lots/buyer/seller/price/movement
- Newline Ltd supply software solutions to majority of UK markets

UK AUCTION MARKETS

Auction markets in the UK

Race Reader

Market A : total sheep read 696,444. Sales 1,000 to 25,000 head.

Market B : total sheep read 762,527. Sales 1,000 to 39,000 head.

Market C : total sheep read 646,163. Sales 1,000 to 10,000 head.

UK AUCTION MARKETS

Auction markets in the UK

Stick Reading

Market D : total sheep read 486,189. Sales from 1,000 to 11,000 head.

Market E : total sheep read 255,565. Sales from 1,000 to 6,000 head.

CANADIAN EID TRANSITION

Canada triggers / timeline

- 1999 – Mandatory cattle ID – barcode tags
- 2003 – BSE -> Mandatory EID for cattle
- 2004 – Mandatory visual sheep tags
- 2012 – Mandatory EID for sheep (single tag)

- Only country mandating EID in cattle **and** sheep (?)
- Approach to show benefits before legislation

CANADIAN REGULATIONS

Current regulations

Canadian Sheep Identification Program

- Canadian Cattle Identification Agency (CCIA) is administrator
- All sheep must be tagged before leaving farm of origin.
- Sheep moving onto farm, tag replacements, deaths reported.
- More recording regulations in the pipe-line.

HOW CAN WE USE THE DATA?

- Selecting poor performing ewes
- Selecting top producing ewes for maternal line
- Monitoring death losses
- Tracking antibiotic use for natural lamb production
- Tracking daily gains in finishing lambs to determine time to market
- Assessing ram effect on finishing ADG
- Transferring data to NSIP for EBV calculations
- Selecting replacement ewe lambs
- Conducting on-farm trials

General Report Form

current printer: HP Officejet Pro 8610 (Network)
how/change printer settings before printing ☑

Click here to add the animals in this report to a management group

100% |◀ ◀ [1] of 3   ▶ ▶| 🔍 ❓

powered by crystal

Dam Performance Report Lambs DoB between 1/1/2016 and 12/31/2017, filtered by females, current stock, Birth Year (2014, 2013, 2012, 2011 and 2010)

Owner: Dan Persons
Holding Number: Persons
Holding Name: Rafter P Ranch
Date Printed: 3/5/2018

No. of lambs born	Avg. born/ year	Lambs weaned	Fostered On	Fostered Off	Sold and/or Slaughtered No.	Total Sale/ Slaughter Price (net)	Avg. Sale/ Slaughter Price (net)	Avg. days on farm	Retained lambs No.	Total value of lambs retained	All sold/slaughtered/retained No.	Total value	Avg. value	Daily live weight gain — Birth to weaning	Daily live weight gain — Weaning to sale/slaughter /retention	Daily live weight gain — Birth to sale/slaughter /retention	Died Before tagging	Died Tagging to weaning	Died After weaning	Died Total
Tag: 0030142 82067					Breed: Boorola x WF						DoB: 3/4/2014			Management Tag: 14490						
11	5.50	5	0	2	1	$100.00	$100.00	174	4	$400.00	5	$500.00	$100.00	0.54	0.55	0.77	0	4	0	4
Tag: 1000 05200					Breed: Boorola x WF						DoB: 2/7/2014			Management Tag: 14429						
11	5.50	5	0	4	1	$100.00	$100.00	1	3	$300.00	4	$400.00	$100.00	0.69			2	0	1	0
Tag: 1000 03373					Breed: Boorola x WF						DoB: 2/5/2013			Management Tag: 13028						
10	5.00	6	0	3	3	$300.00	$100.00	191	3	$300.00	6	$600.00	$100.00	0.70	0.70	0.67	0	1	0	1
Tag: 0031269 58983					Breed: Siremax X WF						DoB: 4/14/2011			Management Tag: 11213						
9	4.50	6	0	0	2	$200.00	$100.00	152	3	$300.00	5	$500.00	$100.00	0.71	0.71	0.70	0	3	1	4
Tag: 1000 01022					Breed: Polypay X Whiteface						DoB: 2/27/2012			Management Tag: 12025						
9	4.50	4	0	2	2	$200.00	$100.00	209	2	$200.00	4	$400.00	$100.00	0.60	0.60	0.59	1	2	0	0
Tag: 1000 05616					Breed: Boorola x WF						DoB: 3/3/2014			Management Tag: 14494						
9	4.50	5	0	3	2	$200.00	$100.00	181	2	$200.00	4	$400.00	$100.00	0.51	0.57	0.68	0	1	1	2
Tag: 0031269 57685					Breed: Boorola x WF						DoB: 1/24/2013			Management Tag: 13166						
8	4.00	4	0	3	2	$200.00	$100.00	176	2	$200.00	4	$400.00	$100.00	0.60	0.60	0.66	0	1	0	0
Tag: 0031269 58337					Breed: Boorola x WF						DoB: 1/27/2013			Management Tag: 13024						
8	4.00	5	0	3	1	$100.00	$100.00	185	4	$400.00	5	$500.00	$100.00	0.67	0.74	0.73	0	0	0	0
Tag: 0031269 58396					Breed: Boorola x WF						DoB: 3/4/2013			Management Tag: 13060						
8	4.00	6	0	2	2	$200.00	$100.00	176	4	$400.00	6	$600.00	$100.00	0.60	0.76	0.69	0	0	0	0
Tag: 1000 05461					Breed: Siremax X WF						DoB: 3/1/2014			Management Tag: 14487						
8	4.00	6	0	1	1	$100.00	$100.00	220	4	$400.00	5	$500.00	$100.00	0.75	0.75	0.60	0	1	1	0

Daily Live Weight Gain Sire Summary for home bred stock filtered by Management Group (barn 1 final)

Sire tag number		Management Tag	Total Number of Animals	Average Days	Average DLWG
0031346	06023	6005	3	120	0.845
0031346	06079		13	121	0.832
052282	GM1		10	122	0.798
NDS0796	0589	0589	15	121	0.792
0031269	66976	15106	12	121	0.773
MEIDL	00001		11	121	0.762
0031269	59081	6317	31	124	0.745
052282	HR		44	123	0.737
KUSS	02015		18	122	0.737
052282	SM		7	120	0.702

STOCK RECORDER WITH ANTENNA PANEL

WEIGHING WITH ADG

WEIGHING AND SORTING

HOW DO YOU PAY FOR IT?

- 100 ewes X .1 lamb increase per ewe = 10 lambs per year
- 10 lambs X $200 = $2000
- .05 increase in ADG X 125 lbs = 12 days feed
- 12 days X $0.30/day X 150 lambs = $540 lamb feed savings
- Culling poor performers
- Reduce Death loss by 3%
- 150 lambs X .03 X 200 = $900
- Market lambs at the right time
- Save labor in record keeping