Ease of data collection on farm; myth or reality?

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My aspirations as a sheep farmer

- Reduce and control lameness
- Increase lambing percentage
- Improve flock longevity
- Develop an easy (easier) care flock
- Improve the milk yield of ewes
- Achieve consistency in lamb finishing weights
- Reducing the days taken from lamb birth to finishing
- Less barren ewes
- The ability to evaluate sire performance
- The ability to undertake flock performance recording

Large numbers





Key tools!





Key tools!



But limited....!

"You Can't Manage What You Don't Measure"

paraphrasing of an original quote by Lord Kelvin. The first to use this paraphrasing was Bill Hewlett, the co-founder of Hewlett Packer.

"...if I keep no record of what I do, I can always assume I've succeeded."

-Stephen Colbert *10 Key Takeaways From Bill Gates' Annual Letter 2013*

Simple reporting

Animal r	rule report					
Select your c	olumns to displa	ay (if none are ticked	d ALL will be displayed) the	en set the rules and p	oush button to list an	imals meeting that rule.
🔲 FB 📃	Sex 📃	Age Bought	Date of Death	🔲 Foster Ewe 🔲 Sir	re 🔲 Notifications (Inturned Eyelids
🔲 NationalID 🔲	DOB 🔲	Purchased From	Place of Destruction	🔲 Fqas 👘 Na	ame Days	Lambing Ease
Colour	Dam 🗌	Move off Date	Culled Reason	🔲 Siblings 🛛 🔲 Ag	ie 🔲 Vigour 🛛 🛛	Birth Weight
🔲 Breed 🗌	Date Bought 🔲	Moved to	Location			
Year Born:	All 🔻	State: All	• Dam Breed:		Sex: All 🔻	Siblings:
Breed: Does	s Contain 🔹		NationalID:		FB:	Dam:
						Foster:
Group: All	*	Colour:	Sire:	Batch No:	FB No	Range:
Date of Birth:	between/on	&	Date Joined :	between/on	&	Ignore born in herd
Age Mths: be	tween &		Left: between/on	&	Died: between/on	&
Sold/Moved	То:	Culled Reaso	on: Ca	arcass Disposed:	Locatio	on:
			List animals mate	ching rule		

Clear performance summary

	Calcul	ate Stati	stics	Show	Breakdown			
Flock Performance								
Ewes to Tup:(31/12/2015)	556 (580)		Ewe M	ortality				
% Scanning Results:	0 % (0 %)	Month	No/Rate	Month	No/Rate			
% Lambing:	168 % (158 %)	1	1/0.18%	1	1/0.17%			
% Recorded Lambing		2	1/0.18%	2	0/0.00%			
Losses(pre tag):	0 % (0 %)	3	4/0.72%	3	2/0.34%			
<1 mth losses in Period:	4 % (0 %)	4	0/0.00%	4	0/0.00%			
		5	0/0.00%	5	0/0.00%			
> 1 mth losses in Period:	0 % (1 %)	6	0/0.00%	6	1/0.17%			
Lambs born alive:	860 (1240)	7	0/0.00%	7	1/0.17%			
Ave 1 at Wainhau	30.0 Kg (31.0	8	0/0.00%	8	1/0.17%			
Ave 1st Weight:	Kg)	9	0/0.00%	9	0/0.00%			
	52 lambs 129	10	0/0.00%	10	0/0.00%			
Sales in Period:	other	11	0/0.00%	11	0/0.00%			
	45 Jamba 4	12	0/0.00%	12	0/0.00%			
Deaths in Period:	45 lambs 4 other	Total	6/1.08%	Total	6/1.02%			

Daily Report: 13/08/2016					
Click to show brea	kdown of animals				
	2 rams				
	372 ram lambs				
Live in Fleek (and of dev)	591 ewe lambs for sale				
Live in Flock(end of day):	0 ewe lambs to be retained				
	410 ewes				

Carcass Averages							
Daily Live Weight Gain:	-1.75(0.13)						
Weight at Slaughter:	39.9						
Age at Slaughter:	128						
Pence per Kilo:	507.16						
Grades	Fat Classes						
E (%): 0.00	1 (%) : 2.50						
U (%):5.00	2 (%) : 32.50						
R (%) :60.00	3 (%) : 0.00						
O (%) : 35.00	4L (%) : 0.00						
P (%) : 0.00	4H (%) : 0.00						
	5 (%) : 0.00						
	5L (%) :0.00						
	5H (%) :0.00						
	3L (%) :60.00						
	3H (%) :5.00						

Show Lambing Stats

"Live" sale data feed

	Prir	nter Friend	dly Format	Create Excel CS	V Format File	Create	Excel Tab Se	ep File	Create PD	F
he list below sh	ow 4() animal	s							
							Killout %			PPI
UK074190706162		Male	PRIMERA	17/07/2016	75.05	45.0	43.3	19.5	R 1	3.8
UK074190706164		Male	PRIMERA	17/07/2016	69.3	40.0	42.5	17.0	0 3L	4.0
UK074190706185		Male	PRIMERA	17/07/2016	71.4	40.0	43.8	17.5	0 3L	4.0
UK074190706194		Male	PRIMERA	17/07/2016	73.5	42.0	42.9	18.0	02	4.0
UK074190706195		Male	PRIMERA	17/07/2016	70.12	40.0	42.5	17.0	R 2	4.1
UK074190706198		Male	PRIMERA	17/07/2016	85	47.0	43.6	20.5	R 3L	4.1
UK074190706200		Male	PRIMERA	17/07/2016	69.3	40.0	42.5	17.0	0 3L	4.0
UK074190706210		Male	PRIMERA	17/07/2016	70.12	40.0	42.5	17.0	R 3L	4.1
UK074190706215		Male	HIGHLANDER	17/07/2016	68	40.0	41.3	16.5	R 3L	4.1

Individual animal performance

Performance Manager/EWE ANALYSIS

Sheila Davies

Ewe Peformance

Enter a value for retained animals then values in the boxes to filter data, or else leave blank to return all in date range.

100 • recs per page	Date Range	01/01/09 🔻	- 31/1	2/09 • Ear Tag:	Retained/Replacement Value: 80	0
Turnover	More Than	Y		Off Sprin	ng More Than ▼	
Turnover/Head/Month	More Than	×		DLWG	More Than	
Days to Finish	More Than	×		Kill out%	6 More Than	
Lameness Cases:	More Than	×				
		Only include	e parents	currently on farm	1	
		List	Animals N	leeting Rule		

Vet and med detail

Veterinary Centre

Select an entry from the list below. Most recent records are displayed first. To record a treatment against an animal please click the Herd Manager link on the left menu

13/08/2016

Show stock Value

Total Value of stock on 13/08/2016 is: £77.74

	Batch Number	Name	Supplier	Quantity Remaining	Purchase Date
Select This Batch	ZBE008A	Ectofly	W.D. Lewis & Son	20000 mls	05/08/16
Select This Batch	A023AC03	Enzovax	Steffan Vets	360 mls	05/08/16
Select This Batch	P608505	Rycoben	W.D. Lewis & Son	11354 mls	04/07/16
Select This Batch	H220YA05	Heptavac-P plus	W.D. Lewis & Son	104 mls	14/06/16
Select This Batch	H224XA06	Heptavac-P plus	W.D. Lewis & Son	0 mls	14/06/16
Select This Batch	P771267UK	Click	W.D. Lewis & Son	3157 litres	18/05/16
Select This Batch	ZUL011A	Endofluke	W.D. Lewis & Son	2498 mls	04/01/16

ZBE008A

Batch Number:	ZBE008A
Name:	Ectofly
Supplier:	W.D. Lewis & Son
Application Method:	Pour on
Quantity Purchased:	20000 mls
Quantity Remaining:	20000 mls
Milk Withdrawal Period:	192 hours
Meat Withdrawal Period:	8 days
Other Withdrawal Period:	8 days
Purchase Date:	05/08/2016
Expiry Date	30/04/2017
Cost	0

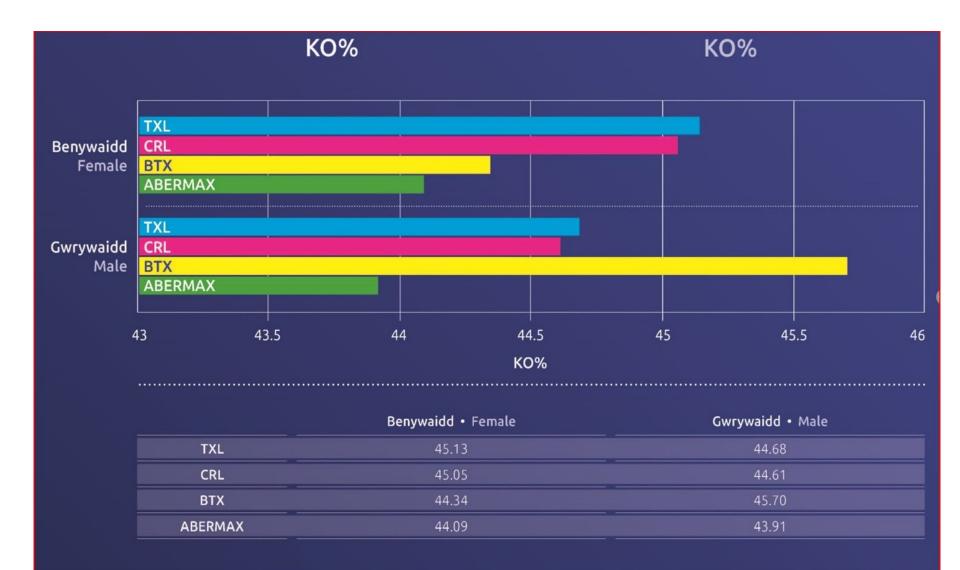
Click on the button below to carry out action on this batch.

Mark as finished

Refresh Batch

Update Batch

Breed/sex comparison



TAG project



Dunbia



FarmWizard

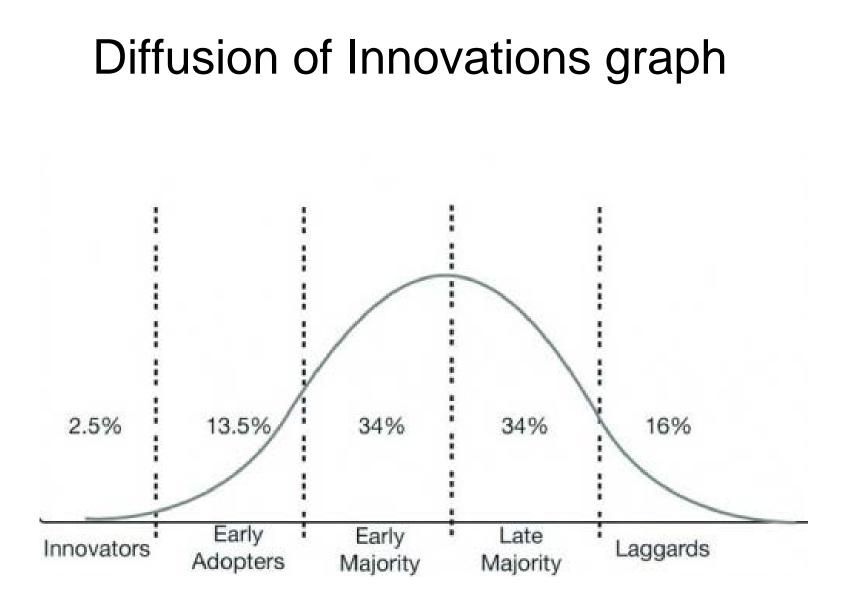
- Worlds first livestock management SaaS Platform founded in 2004
 - Terry Canning, Founder with farming background- >10 years experience as Software Architect with Blue Chip Tech Companies
 - Unique, multi platform, multi vendor, multi species cloud computing herd recording solution
 - Strong Brand with International network.
- Extensive international reach both direct & corporate client base
 - 1200 livestock farmers internationally
 - 2.2 million animal records with 4.5 million events
 - Multiple corporate agreements in place with international VARs, Government bodies, Retailors
- Acquired by Wheatsheaf Feb 2015
 - Part of Duke of Westminster's Grosvenor Group
 - Focus on energy/protein production "making more from less"



magic herd management

TAG project outcomes

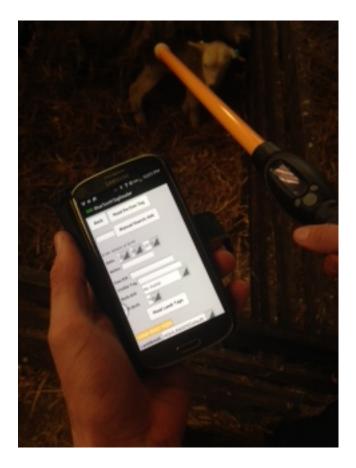
- There are more farmers involved in using EID to monitor the performance of their sheep than would have occurred otherwise i.e. SCALE additionality
- That a number of farmers have started recording their sheep/using EID for performance monitoring earlier than they would otherwise – TIME additionality
- That a number of farmers have started improving the quality of their stock as a result of TAG QUALITY additionality
- + Removed a degree of the stigma surrounding sheep EID Acceptance factor

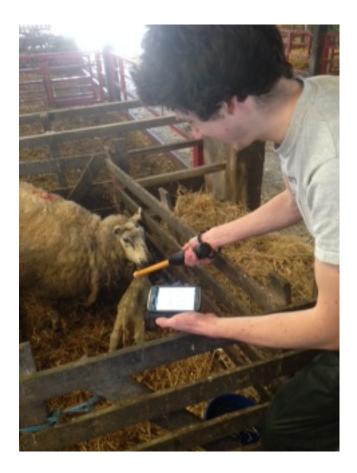


Sheep farmer frustration

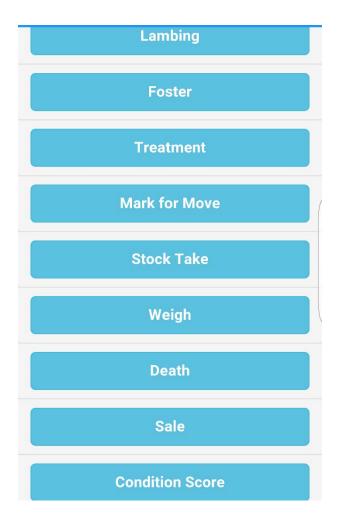


Innovation





Easy touchscreens

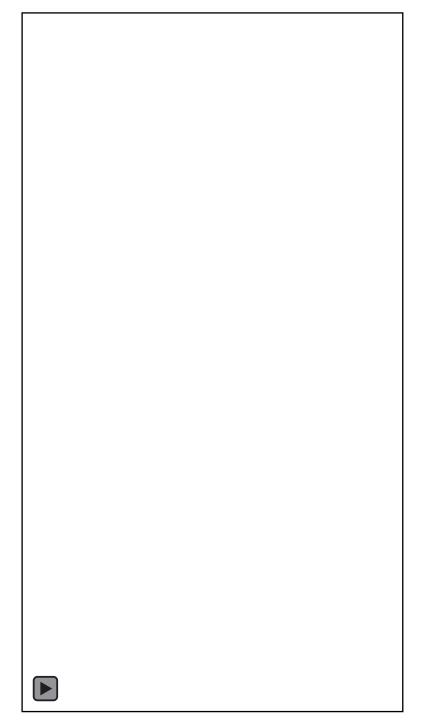


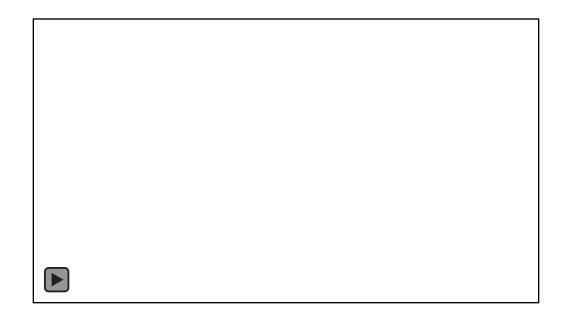
Date		
2016-08-13		
Notes :		
Medication 1:		Medication 2:
BN ZUL011A -04/0	•	N/A 🔻
istory: _ Administrator		Treatment Reason
Other, enter value >	•	Fly control •
Treat Date		Treat Fin
2016-08-13		2016-08-13
Med 1 Quantity/Animal		Med 2 Quantity/Animal
01	•	01 🔻
Activity		Quarter
N/A	•	N/A 🔻

Key traceability and health/welfare data

Visible Tag
Aft Birth
Yes
Lamb Tags bing Ease Vigr InTrn Eyes
0 V

advice: Pro	e Tupping	
with footro	t and scald with antibi	otic in
cord may n	ot updated	
os	Cull Alert Footrot	
more, This	s month vs Last :	
	Ewe	
	This:0%	
	Last:0%	
	Lamb	
	This : 0%	
	with footro cord may n	more, This month vs Last : Ewe This : 0% Last : 0% Lamb





Dog Tapeworm project

- Saleable parts of carcases are devalued or wasted
 - Livers fluke, tape worm
 - Meat abscesses, bruising, contamination
 - Excess fat
 - Skins and hides clipping, shearing, contamination
- <u>http://www.menterabusnes.co.uk/tag/control-</u> <u>of-dog-tapeworm-covis</u>



Ewe nutrition project

The project worked with 6 sheep farmers to deliver key flock measurement data that linked ewe nutrition with lamb growth rate.



Genomics project

The project investigated the use of genetic markers for improved carcass characteristics and meat quality to facilitate faster genetic gain within the Welsh sheep industry.

Carcase characteristics include:

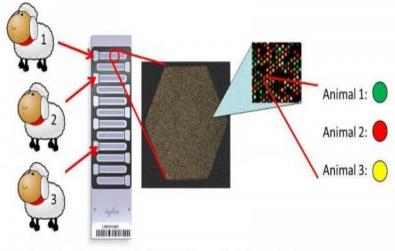
- loin length / weight
- Yield of saleable meat
- Tenderness
- Grade (Fat and Conformation)



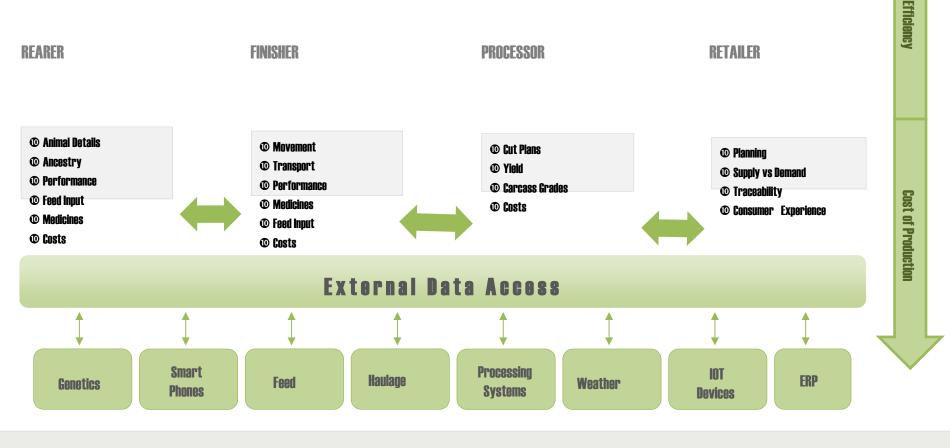
Genomic Technology

The process;

- 1. Collect Blood samples (2000 lambs)
- 2. Collect phenotype information
- 3. Undertake tenderness evaluation
- 4. Undertake DNA extraction
- 5. Genotype the DNA information
- 6. Sequence the DNA profile to identify re desirable traits
- 7. From this information we aim to identify a "genomic signature" to be used in breeding programmes
- 8. <u>http://www.menterabusnes.co.uk/tag/sheep-genomics</u>



Drive Efficiency through Measurement, Analysis & Intervention



- Reduced time to slaughter

farmwizard

Increased Traceability

- Effective capacity planning
- Transparent supplier compliance

- Timely intervention
- Lower Cost of Production

magic herd management