

Moelogan Fawr Hill Ram HCC

- **Llion and Sian Jones**
- **Started farming National Trust smallholding 2013**
- **Beef and sheep family farm**
- **Took over family farm 2018**





Our Aims and Ambitions

- Mix of sheep breeds initially
- Aim to breed hardier ewe
- Hill ram scheme
- Farming Connect Demonstration Farm

Make better use of technology enabling us to better select higher performing replacements.

How we recorded the data?

- Agriwebb
- Stabiliser Multipliers
Performance recorded Stabiliser Cattle
- WhatsApp groups
- Calendar on iPhone





What Data?

- TSU Samples of a nucleus flock of 300
- Scan records also weights and BCS
- Lambing data
- Backfat and Muscle Scanning
- Recording losses, treatment or observations
- Results then fed into Signet

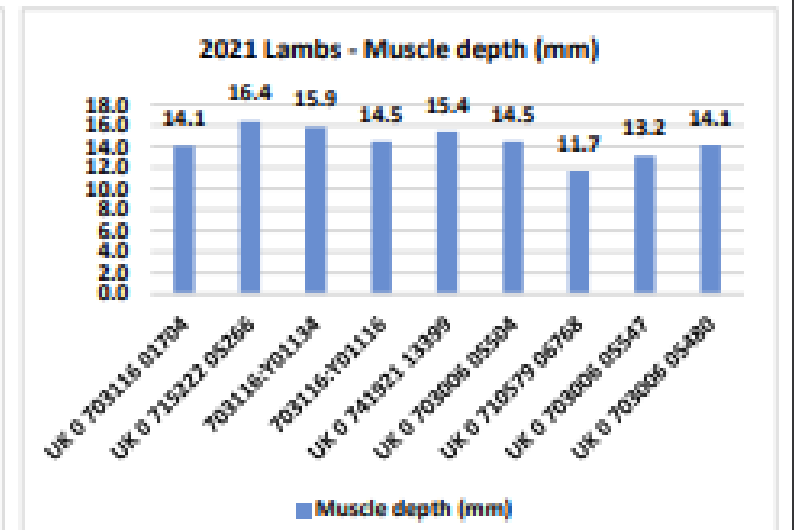
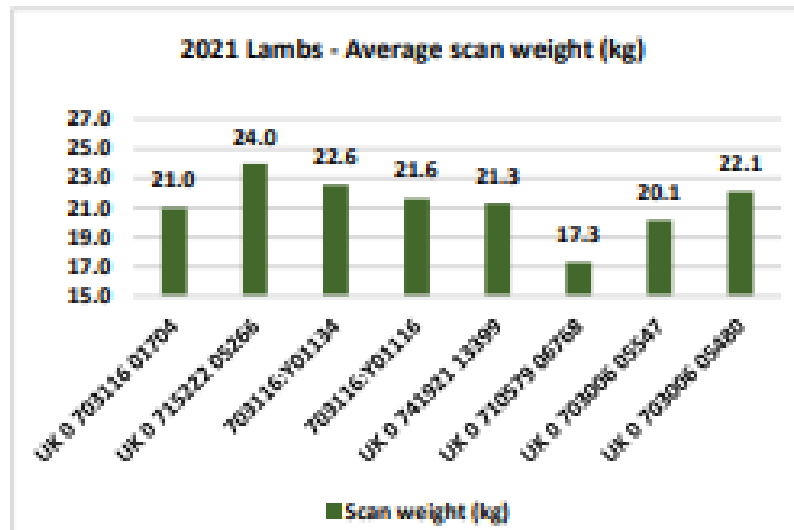
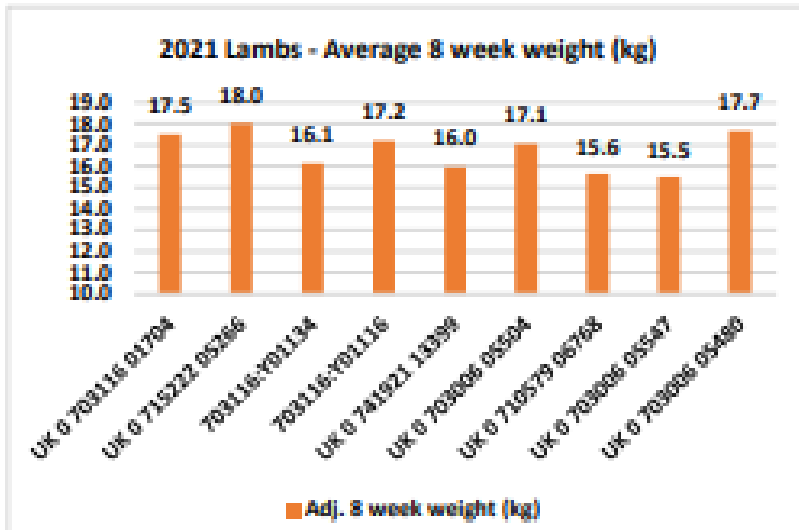
What's the data given us?

- Ram performance indication
- Variation between sires

Stock Sire EBV Summary - Analysis Date: 05/11/2022

UKN	Name	Year	Sire FBN	Dam FBN	Progeny	Eight Week Weight	Mature Size	Litter Size	Maternal Ability	Scan Weight	Muscle Depth	Fat Depth	Welsh Index
UK 0 703116 01704	CERNIOG	2020	703116:A01503	703116:Z01230	42	0.90	1.31	0.06	0.17	2.16	0.54	-0.16	229
UK 0 715222 05266	RHIWGRIAFOL	2020	UK 0 701272 07620	UK 0 715222 00023	73	1.23	1.76	0.10	0.29	2.39	0.34	-0.03	225
703116:Y01134	CERNIOG	2016	UK 0 720439 03470	703116:U00794	73	1.30	3.13	0.23	0.10	2.72	0.23	0.18	204
703116:Y01166	CERNIOG	2016	703116:W00967	703116:N0171	21	1.38	2.86	-0.07	0.63	2.64	0.23	-0.28	201
703116:Y01116	CERNIOG	2016	UK 0 720439 03470	703116:T00480	178	0.40	2.40	0.21	-0.30	2.57	0.13	0.19	194
UK 0 741921 13399	ABERBRANDDU	2019	UK 0 741921 10382	UK 0 741921 11051	105	0.88	0.95	-0.06	-0.06	0.99	1.57	-0.25	184
UK 0 703006 05504	ORSEDD	2020	UK 0 720282 05875	UK 0 703006 03593	33	0.88	1.75	0.01	-0.08	1.67	-0.09	0.08	172
UK 0 710579 06768	CERNYW	2020	UK 0 710579 02698	UK 0 710579 04374	31	0.29	0.46	0.10	0.37	0.93	0.41	0.02	167
UK 0 703006 05547	ORSEDD	2020	UK 0 720282 05875	UK 0 703006 04519	40	1.11	2.70	0.00	0.04	2.38	-0.75	-0.16	161
UK 0 703006 05480	ORSEDD	2020	UK 0 720282 05875	UK 0 703006 03475	43	0.99	2.77	0.02	-0.28	2.56	-1.63	-0.09	146
UK 0 705613 01310		0 2016	-	-	55	-1.06	-2.55	0.02	-0.05	-1.91	1.08	0.40	124
UK 0 705613 01135		0 2017	-	-	30	-0.85	-1.66	0.02	-0.05	-1.18	0.91	0.07	120
UK 0 704935 18521	MOELOGAN	2016	-	-	106	0.72	2.31	0.04	-0.12	2.23	-2.17	0.10	95
Flock Average 2021						0.28	0.85	0.07	0.05	0.87	-0.10	0.04	120
Breed Average						0.31	0.76	0.01	-0.01	0.74	-0.09	0.00	115

What's the data given us?



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- Improvement in overall index
- But.... Fat depth compromised
- Mature size higher

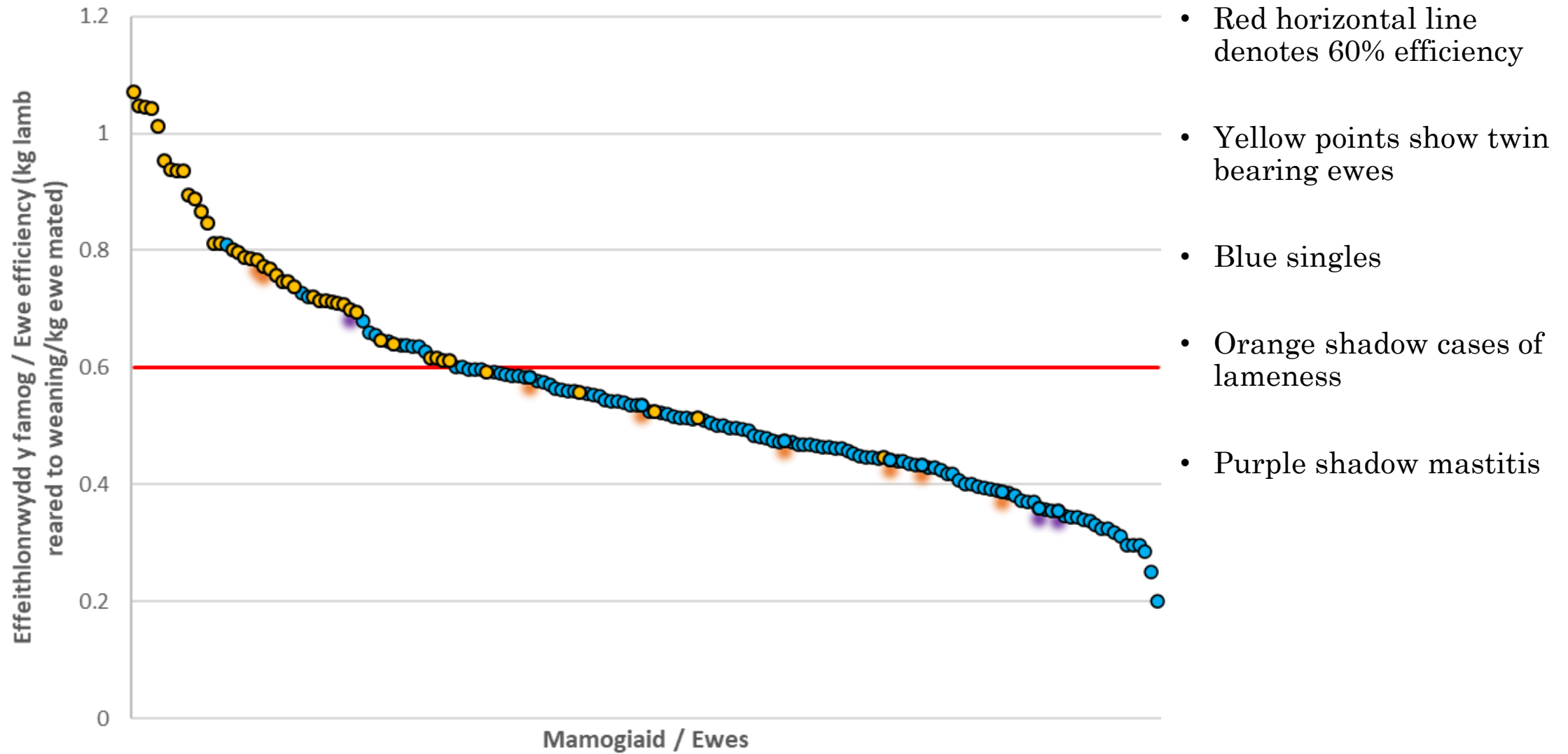
EBVs

Year of Birth	Eight Week Weight	Mature Size	Litter Size	Maternal Ability	Scan Weight	Muscle Depth	Welsh Fat Depth	Index
2020	0.32	0.78	0.03	0.02	0.76	-0.09	-0.01	105
2021	0.28	0.85	0.07	-0.08	0.87	-0.10	0.04	120
2022	0.50	1.10	0.06	-0.01	1.15	-0.03	-0.02	134

Farming Connect Results

Metrig perfformiad a ddefnyddiwyd ar gyfer graddio mamogiaid <i>Performance metric used for ewe ranking</i>	Cyfartaledd <i>Average</i>	Amrediad <i>Range</i>
kg oen a fagwyd fesul mamog hyd at ddyfnu <i>kg lamb reared per ewe to weaning</i>	31.6 kg	14-62 kg
Effeithlonrwydd y famog (kg oen a fagwyd fesul kg mamog a gyplyswyd) <i>Ewe efficiency (kg lamb reared per kg of ewe mated)</i>	56%	20-107%

Ewe Performance (kg lamb reared per kg of ewe mated)



- Red horizontal line denotes 60% efficiency
- Yellow points show twin bearing ewes
- Blue singles
- Orange shadow cases of lameness
- Purple shadow mastitis

What's the data given us? How do we use it to improve?

Identify Lowest Performance and EBV's

Alert file on the stick reader identify those bottom performance and move to the terminal sire group

Genetics

HRS Project allows us implement changes quicker

Long term

Improve ewe efficiency
Improve fat depth
Scanning percentage
Keep ewe weight down

