

**ARWERTHIAN
HYRDDOD
MNYDD
DOLGELLAU**



**DOLGELLAU
WELSH
MOUNTAIN
RAM SALES**

DYDDIADAU—DATES

18/10/23 Rhanbarth Meirionnydd Region

20/10/23 Rhanbarthau Ceredigion
& Maldwyn Regions

27/10/23 Rhanbarthau Maldwyn,
Meirionnydd, Ceredigion Regions

3/11/23 Rhanbarthau Maldwyn,
Meirionnydd, Ceredigion Regions

**Hyrddod wedi recordio
Performance Recorded rams**

For information about the Prohill breeding group

Contact us on - 01970 828236 enquiries@prohill.co.uk



ABOUT THE PROHILL GROUP

Hill farming is crucial to the economy, culture and society of rural Wales. To sustain these areas, this group of progressive hill ram breeders are working to strengthen the Welsh sheep sector.

With the help of the HCC Red Meat Development Programmes' Welsh Hill Ram Scheme, ProHill (previously the Welsh Mountain Breeding Group) are improving the genetic merit of their flocks and continuing to improve the viability of their own, and their customers hill farms. Initial work was undertaken by five flocks that have recorded performance over a number of years, 6 new leader flocks have joined recently with more joining year on year.

Using the latest technology available, the group record their sheep in commercially managed hill flocks. Data gathered is sent to Signet to calculate the Hill Index - an overall score that balances breeding values for maternal ability and carcass traits, that can be used as a tool to identify the best performing sheep and monitor progress.

The results are rams proven to perform, siring lambs that meet market requirements and replacement ewes with improved maternal ability for UK hill farmers.

In the biggest collaborative breeding project of its kind in Wales, Welsh Mountain sheep producers from different parts of the country have joined forces to raise the commercial standard of the regional types of hill sheep. The aim is to supply purebred, high index rams that will:

- produce earlier finishing lambs
- improve carcass weights and grades
- breed flock replacements with exceptional maternal ability

The tups offered for sale are all assessed using the Welsh Index which identifies hill sheep with superior breeding potential for maternal ability, lamb growth and carcass quality. The index encompasses two breeding targets, which are weighted equally:

- Maternal Traits - assessed by looking at lambing percentages, maternal ability and mature ewe size
- Carcass Traits - assessed through the measurement of 8 week and 20 week weights together with muscle and back fat scanning.

WHAT IS PERFORMANCE RECORDING?

Recording the performance of ewes and lambs in hill flocks for commercially important traits. The outcome is a prediction of how a rams progeny will perform, which in turn, impacts on your profits.

To calculate the EBVs, Prohill are recording

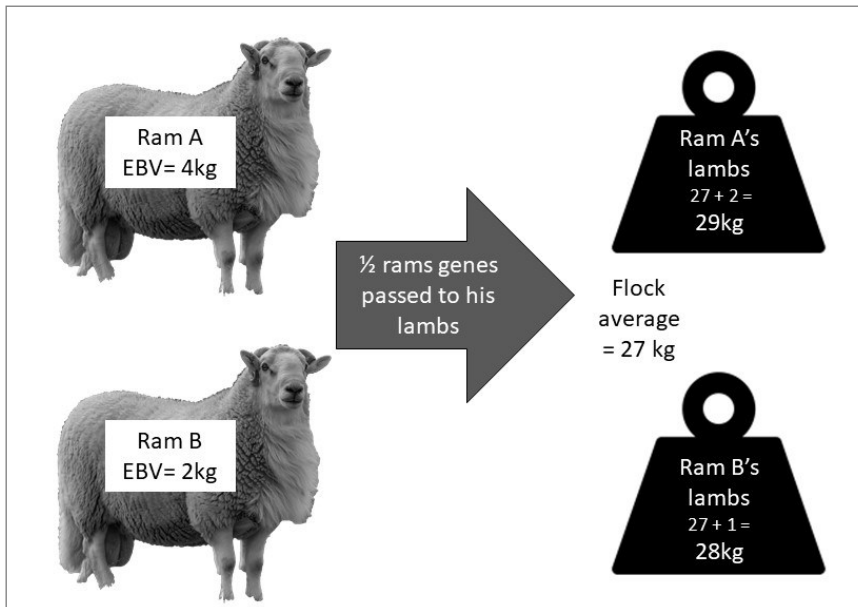
- flock mating information
- scanning results
- lambing ease and vigour
- 8 week weights
- backfat scanning at 20 weeks.

The data is analysed and used to create the Hill Index which identifies sheep with superior breeding potential for meat and maternal traits, predicting the value of each ram to your flock.

EBVs are expressed in the same units as the recorded trait (e.g. kg for eight week weight) and they relate to a common baseline. This baseline of zero relates to the average breeding value of lambs born in the year in 2015.

You can use the estimated breeding values to pick rams that will improve the performance of their lambs and their daughters that come in to your flock.

Keep in mind that the lambs will inherit half of their genes influencing the traits from the ram and the other half from the ewe as shown in the following example which compares the potential gain from two rams on the weight of a lamb group that currently averages 27kg.



DO YOU KNOW A GOOD RAM WHEN YOU SEE ONE?

These two rams are a very similar type and were both purchased for four-figure sums and unrecorded at the time of purchase.



After joining a performance recorded flock, EBVs were calculated from the performance of the rams progeny. Ram As lambs were mainly sold as store lambs and failed to make any significant growth. In comparison ram B produced fast finishing lambs that graded well. Ram As EBVs were found to be below average on most traits, ram Bs however have been proven above average for most traits, as shown below.



Performance recording allows you to make informed decisions about the rams, estimating their potential and the future performance of your hill flock.

BUYING PERFORMANCE RECORDED RAMS = LESS RISK

WHAT DO ALL THE NUMBERS MEAN?

EBVs for carcase traits will show the growth and finishing potential of the rams' offspring.

EBVs for ewe traits will show the maternal potential of the rams ' daughters.

8 week weight	Lamb growth from birth to 8 weeks.
Scan Weight	Lamb growth rate to 21 weeks. High scan weight EBVs result in heavier carcasses.
Muscle Depth	High muscle depth indicates high lamb muscularity and lean meat yield.
Fat Depth	Negative values indicate animals with low fat content, producing leaner carcasses
Litter Size	Higher EBVs will result in increased prolificacy.
Maternal Ability	Higher figures indicate that the daughters will perform well as mothers (miliness)
Mature Size	The mature weight of the future replacement ewes sired from the ram.
Index	The overall figure highlighting superior breeding stock.

NOTE TO BUYERS

The sales at Dolgellau are Welsh mountain sheep society sales which include some performance recorded rams.

In the catalogue, we include details for all the recorded rams from each breeder, for information about which rams are entered at each sale, please contact the breeders directly.

The farm name can be found on the pens at the market.

HYRDDOD RHIWAEDOG RAMS

ALED JONES

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Ear No	Year of Birth	Eight Week Weight	Mature Size	Litter Size	Maternal Ability	Scan Weight	Muscle Depth	Fat Depth
UK 0 704617 19081	2022	-0.16	-1.39	0.03	-0.87	-1.08	-0.45	0.35
Top 10% of the breed for fat depth								
UK 0 704617 19083	2022	-0.38	-2.01	0	-0.13	-1.79	-0.77	0.42
Top 10% of the breed for fat depth								
UK 0 704617 19085	2022	-0.54	-2.29	0.06	-0.41	-2.56	-0.8	0.34
Top 10% of the breed for fat depth								
UK 0 704617 19088	2022	0.28	0.34	-0.05	-0.45	-0.05	-0.63	0.13
Top 10% of the breed for fat depth								
UK 0 704617 19097	2022	-0.22	-1.9	0.05	-0.92	-0.36	0.81	0.44
Top 10% of the breed for fat depth. Top 25% muscle depth.								
UK 0 704617 19100	2022	0.44	-0.14	0.17	-0.07	0.64	-0.04	0.53
Top 10% of the breed for fat depth, above average scan weight, above breed average 8 week weight.								
UK 0 704617 19108	2022	0.49	0.75	0	-0.6	0.77	-0.43	0.2
Top 25% of the breed for fat depth, above average scan weight and 8 week weight.								
UK 0 704617 19122	2022	-0.74	-3.13	-0.1	-0.57	-2.88	-0.26	0.16
Top 10% of the breed for fat depth								
UK 0 704617 19128	2022	-0.13	-0.99	-0.01	-0.51	-1.32	-1.24	0.08
Top 10% of the breed for fat depth								
UK 0 704617 19132	2022	-0.65	-2.76	0.05	-1.06	-1.72	-0.23	0.48
Top 10% of the breed for fat depth.								

Ear No	Year of Birth	Eight Week Weight	Mature Size	Litter Size	Maternal Ability	Scan Weight	Muscle Depth	Fat Depth
UK 0 704617 19135	2022	0.82	0.96	0.13	-0.16	0.79	-0.81	-0.05
Above breed average 8 week weight and scan weights.								
UK 0 704617 19140	2022	0.1	-0.44	0.07	-0.41	-0.43	-0.67	0.15
UK 0 704617 19143	2022	-0.11	-1.65	0.03	-0.28	-0.51	0.25	0.39
Top 10% of the breed for fat depth.								
UK 0 704617 19146	2022	0.12	-0.24	-0.04	-0.38	-0.71	-1.02	0.15
UK 0 704617 19147	2022	-0.27	-1.2	-0.01	-0.7	-0.68	-0.07	0.04
UK 0 704617 19149	2022	0.02	-1.28	0.11	-0.3	-1.48	-0.29	0.2
Top 25% of the breed for fat depth.								
UK 0 704617 19150	2022	-0.15	-0.78	-0.02	-0.41	-0.66	-0.58	0.19
Top 25% of the breed for fat depth.								
UK 0 704617 19183	2022	0.28	-0.1	0.02	-0.18	0.19	-0.02	0.16
UK 0 704617 19210	2022	0.06	-0.48	0.01	0.14	-0.49	0.27	-0.1
Above average maternal ability.								
UK 0 704617 19211	2022	0.15	0.32	0.07	0.24	0.08	0.79	-0.04
Above average maternal ability. Top 25% fat depth.								

Ear No	Year of Birth	Eight Week Weight	Mature Size	Litter Size	Maternal Ability	Scan Weight	Muscle Depth	Fat Depth
UK 0 704617 19227	2022	-0.13	-0.75	0.08	-0.01	-0.35	1.54	-0.04
Top 10% of the breed for muscle depth.								
UK 0 704617 19239	2022	-0.39	-1.63	0.11	-0.43	-1.37	1.89	-0.26
Top 10% of the breed for muscle depth.								
UK 0 704617 19360	2022	-0.33	-2.4	0.04	-0.77	-2.23	0.11	-0.05
UK 0 704617 19392	2022	-0.99	-3.87	-0.09	-0.52	-4.35	-1.26	-0.27
UK 0 704617 19396	2022	0.21	-0.36	0.04	-0.56	-0.39	-0.41	-0.36
UK 0 704617 19539	2022	-0.37	-0.51	-0.03	0.29	-1.76	-1.6	-0.22
Above average maternal ability.								
UK 0 704617 19624	2022	0.08	-0.13	0.01	-0.07	-0.95	-0.91	-0.33
UK 0 704617 19629	2022	0.02	0.18	0.03	-0.72	-1.64	-1.69	-0.5

HYRDDOD PLAS UCHAF RAMS

EILIR HUGHES

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Ear No	Year of Birth	Eight Week Weight	Mature Size	Litter Size	Maternal Ability	Scan Weight	Muscle Depth	Fat Depth
UK 0 717795 00503	2022	-1.93	-5.19	-0.01	0.05	-4.63	1.22	0.58
Top 10% of the breed for fat and muscle depth.								
UK 0 717795 00516	2022	-0.25	-1.69	0.03	-0.43	-1.58	-0.41	0.2
UK 0 717795 00534	2022	0.52	1.12	-0.12	-0.14	0.36	-0.34	0.01
UK 0 717795 00537	2022	-1.62	-6.09	-0.06	-0.06	-5.08	1.68	0.55
Top 10% of the breed for fat and muscle depth.								
UK 0 717795 00596	2022	1.33	3.08	-0.03	-0.35	2.7	-0.46	-0.04
Top 25% 8 week weight, above average scan weight.								
UK 0 717795 00603	2022	0.08	0.48	-0.05	0.19	0.22	-0.87	0.19
UK 0 717795 00616	2022	-0.78	-2.24	-0.07	-0.14	-1.96	0.27	0.37
Top 10% of the breed for fat depth.								

Ear No	Year of Birth	Eight Week Weight	Mature Size	Litter Size	Maternal Ability	Scan Weight	Muscle Depth	Fat Depth
UK 0 717795 00627	2022	0.16	-0.11	-0.03	-0.09	-1.09	0.03	-0.39
UK 0 717795 00644	2022	0.6	1.43	0	0.01	1.43	0.77	-0.06
Top 25% muscle depth, above average 8 week weight, above average scan weight.								
UK 0 717795 00694	2022	-0.96	-3.54	-0.12	-0.11	-3.09	0.21	0.52
Top 10% of the breed for fat depth.								
UK 0 717795 00714	2022	0.55	1.62	-0.06	-0.18	1.18	-0.75	0.19
Above average 8 week weight and scan weight.								
UK 0 717795 00715	2022	-1.52	-5.15	-0.15	0.46	-4.43	0.97	0.99
Top 10% fat depth, top 25% muscle depth.								
UK 0 717795 00718	2022	0.86	2.08	-0.05	0.28	1.29	-1.79	0.2
Top 25% of the breed for fat depth, above average scan weight, top 25% 8 week weight.								
UK 0 717795 00719	2022	-0.12	-0.76	0.09	0.2	-0.77	-0.23	0.28
Top 25% of the breed for fat depth and above average maternal ability.								

HYRDDOD CAE POETH RAMS

GLYN WILLIAMS

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Ear No	Year of Birth	Eight Week Weight	Mature Size	Litter Size	Maternal Ability	Scan Weight	Muscle Depth	Fat Depth
UK 0 711096 03023	2022	-0.29	-1.59	-0.1	-0.26	-1.44	0.96	0.55
Top 10% of the breed for fat depth and top 25% of the breed muscle depth. .								
UK 0 711096 03138	2022	0.53	0.53	0.02	-0.52	0.41	-1.12	-0.1
UK 0 711096 03139	2022	0.01	-0.94	-0.04	-0.32	-1.2	0.81	0.1
UK 0 711096 03140	2022	-0.78	-1.91	-0.04	0.32	-1.54	0.86	0.26
Top 25% of the breed for fat and muscle depth.								
UK 0 711096 03197	2022	0.16	-0.54	-0.02	-0.26	-0.9	-0.03	0.15
UK 0 711096 03211	2022	0.03	-0.58	0.13	-0.37	-1.3	-0.35	0.11
UK 0 711096 03242	2022	-0.47	-1.87	-0.07	-0.1	-1.56	0.03	0.18
Top 25% of the breed for fat depth.								
UK 0 711096 03285	2022	-0.44	-2.37	-0.13	0.01	-1.93	0.83	0.46
Top 10% of the breed for fat depth, top 25% muscle depth.								

Ear No	Year of Birth	Eight Week Weight	Mature Size	Litter Size	Maternal Ability	Scan Weight	Muscle Depth	Fat Depth
UK 0 711096 03432	2022	-1.16	-3.1	0.02	-0.14	-2.41	0.49	0.73
Top 10% of the breed fat depth.								
UK 0 711096 03443	2022	0.36	-0.52	-0.07	-0.8	-0.34	0.82	0.03
UK 0 711096 03457	2022	0.34	0.8	0.02	0.37	0.98	0.59	0.52
Top 10% fat depth, top 25% muscle depth, above breed average scan weight and 8 week weight.								
UK 0 711096 03462	2022	-0.2	-1.38	-0.07	-0.51	-1.31	0.55	0.36
Top 10% of the breed for fat depth.								
UK 0 711096 03463	2022	-0.78	-1.72	-0.11	0.47	-1.4	0.56	0.21
Top 25% of the breed for fat and muscle depth.								
UK 0 711096 03476	2022	-1.02	-3.07	-0.17	0.4	-2.2	1.06	0.77
Top 10% of the breed for fat and muscle depth.								
UK 0 711096 03482	2022	0.09	-0.76	0.2	0.01	-0.25	-0.27	0.33
Top 10% of the breed for fat depth.								

HYRDDOD MOELGOLOMEN RAMS

J J S V, J R & MRS M J LLOYD WILLIAMS

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Ear No	Year of Birth	Eight Week Weight	Mature Size	Litter Size	Maternal Ability	Scan Weight	Muscle Depth	Fat Depth
UK 0 744429 05323	2020	-0.21	-0.32	0	-0.01	0.11	0.3	0.18
Top 25% of the breed for fat depth.								
UK 0 744442 09663	2019	-0.33	-0.12	0.12	-0.85	-0.21	1.73	0.01
Top 10% of the breed for muscle depth.								
UK 0 744442 09864	2020	0.29	0.48	0.09	-0.6	1.3	0.72	0.19
Top 25% fat and muscle depth. Above average scan weight and 8 week weight.								
UK 0 744442 10821	2021	0.29	0.47	0.06	-0.41	0.83	0.12	0.06
Above average scan weight and eight week weight.								
UK 0 744442 10855	2021	-0.1	-0.36	0.21	-0.29	0.34	1.69	0.03
Top 10% of the breed for muscle depth.								

HYRDDOD ESGAIRGAWR RAMS

EMLYN ROBERTS

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Ear No	Year of Birth	Eight Week Weight	Mature Size	Litter Size	Maternal Ability	Scan Weight	Muscle Depth	Fat Depth
UK 0 704741 08887	2022	0.03	-0.9	0.09	-0.04	-0.22	0.24	0.07
UK 0 704741 08888	2022	0.24	-0.09	0.07	0.47	-0.39	-1.91	-0.03
Above average maternal ability.								
UK 0 704741 08896	2022	0.62	0.57	0.07	0.53	0.57	-0.22	-0.02
Above breed average scan weight.								
UK 0 704741 08915	2022	0.68	1.1	-0.02	-0.71	1.26	-0.43	0.26
Top 25% of the breed Fat depth, above average scan weight and eight week weight.								
UK 0 704741 08962	2022	0.51	0.39	-0.02	-0.49	1.12	0.78	0.55
Top 10% of the breed fat depth, top 25% of the breed muscle depth, above average scan weight								
UK 0 704741 08975	2022	-0.26	-0.9	0.09	-0.07	-2.04	-1.65	-0.54
UK 0 704741 09011	2022	-0.33	-1.4	-0.05	-0.26	-1.41	-0.9	0.15

Ear No	Year of Birth	Eight Week Weight	Mature Size	Litter Size	Maternal Ability	Scan Weight	Muscle Depth	Fat Depth
UK 0 704741 09014	2022	-0.49	-1.48	-0.01	-0.55	-1.4	-1.31	0.28
Top 25% of the breed fat depth.								
UK 0 704741 09016	2022	0.41	0.28	0.06	0.11	0.44	-0.99	0.15
Above average 8 week weight and scan weight.								
UK 0 704741 09046	2022	-0.57	-1.7	0.08	-0.13	-1.84	0.58	-0.16
Top 25% of the breed muscle depth.								
UK 0 704741 09077	2022	0.18	-0.11	0.2	-0.34	-0.52	-0.71	-0.27
UK 0 704741 09085	2022	-0.56	-1.61	-0.01	-0.01	-1.67	-0.42	0.32
Top 10% of the breed fat depth.								
UK 0 704741 09090	2022	-0.31	-1.26	0.04	-0.77	-1	-0.16	0.17
Top 25% of the breed fat depth.								
UK 0 704741 09128	2022	-0.02	-1.15	0.14	-0.58	-0.46	0.06	0.35
Top 10% of the breed fat depth.								