



**AHDB Beef and Lamb
Farmbench
Costs of Production 2016/17**

Indoor lambing flocks

Ranked by net margin: per ewe or per lwt kg output

	(£ per ewe to ram)			(£ per lwt kg output)		
	Top 25%	Middle 50%	Bottom 25%	Top 25%	Middle 50%	Bottom 25%
Financial Performance						
Number of flocks in sample	9	17	9	9	17	9
Average flock size	1115	512	405	1115	493	441
Lamb sales	57.766	62.5699	63.49067	0.98	1.12	1.03
Market value of lambs retained as replacements and stores	42.959	37.9828	35.62315	0.73	0.60	0.80
Market value of finished lamb consumed on farm	0.05	0.22	0.14	0.00	0.00	0.00
Other income	1.99	2.29	2.05	0.03	0.04	0.04
Gross Output	102.76	103.06	101.30	1.74	1.77	1.87
Cost of purchased or transferred orphans	0.00	0.00	0.00	0.00	0.00	0.00
Replacement costs	7.92	11.64	18.29	0.13	0.19	0.37
Output less replacement costs	94.85	91.42	83.01	1.61	1.58	1.50
Variable Costs						
Purchased feed including minerals	7.43	14.54	7.04	0.13	0.25	0.12
Home-grown feed	0.74	0.51	2.14	0.01	0.02	0.00
Purchased forage	0.14	0.79	0.92	0.00	0.02	0.01
Home-grown forage (excludes contract)	3.83	11.06	10.96	0.06	0.17	0.25
Total feed and forage	12.15	26.91	21.06	0.21	0.46	0.38
Vet and medicine	6.82	8.99	9.63	0.12	0.15	0.20
Bedding	1.17	1.47	1.07	0.02	0.02	0.02
Other livestock expenses	5.43	6.55	17.65	0.09	0.11	0.35
Total variable costs	25.58	43.93	49.41	0.43	0.75	0.94
Gross Margin	69.27	47.49	33.60	1.17	0.83	0.56
Fixed Costs						
Labour - paid	8.10	12.41	16.02	0.14	0.23	0.26
Machinery repairs and spares	2.19	2.29	5.87	0.04	0.04	0.12
Equipment hire	0.20	0.10	0.00	0.00	0.00	0.00
Contracting	2.79	2.12	5.58	0.05	0.03	0.12
Electricity	0.11	0.32	0.40	0.00	0.01	0.01
Fuel	2.34	3.08	4.14	0.04	0.06	0.07
Property maintenance and water	1.02	2.52	2.17	0.02	0.04	0.06
Land Rent (Actual)	7.32	5.88	10.73	0.12	0.09	0.24
Other	2.48	5.43	6.75	0.04	0.09	0.14
Finance	0.18	0.80	2.37	0.00	0.01	0.05
Cash Only fixed costs	26.74	34.93	54.03	0.45	0.59	1.06
Cash Only Cost of Production	60.23	90.50	121.73	1.02	1.52	2.38
Cash Only Net Margin	42.53	12.56	-20.43	0.72	0.24	-0.51
Labour - unpaid (Imputed)	13.16	15.26	39.31	0.22	0.29	0.67
Land Rent (Imputed)	3.51	11.11	11.09	0.06	0.18	0.23
Depreciation	2.88	6.00	8.51	0.05	0.11	0.15
Non-Cash costs	19.55	32.37	58.91	0.33	0.58	1.05
Full Economic fixed costs	46.29	67.31	112.94	0.78	1.17	2.11
Full Economic Cost of Production	79.78	122.87	180.64	1.35	2.11	3.43
Full Economic Net Margin	22.98	-19.82	-79.34	0.39	-0.34	-1.56
Physical Performance						
Number of ewe lambs tupped as a percentage of the total (%)	15	5	12	15	5	12
Ewe to ram ratio	44	44	44	44	41	51
Scanning percentage per ewe scanned (%)	157	177	166	157	183	152
Lambs born alive per 100 ewes to ram	149	161	150	149	167	138
Lambs born dead per 100 ewes to ram	7	9	8	7	10	7
Lambs died in first 48 hours per 100 ewes to ram	7	5	4	7	5	5
Lambs died after 48 hours per 100 ewes to ram	2	3	6	2	3	6
Lambs weaned per 100 ewes to ram	141	153	140	141	159	127
Lambs reared per 100 ewes to ram	140	149	137	140	157	120
Lamb losses from birth to rearing (% of born alive)	6	7	9	6	6	13
Empty ewes (%)	6	4	4	6	3	5
Ewe mortality (%)	3	3	4	3	3	4
Flock replacement rate (%)	13	20	24	13	20	24
Average age at weaning (days)	113	110	137	113	116	123
Average weight at weaning (kg)	33	33	33	33	34	29
Average liveweight per reared lamb (kg)	42	39	40	42	40	38
Average liveweight (kg lwt per lamb sold finished)	44	42	44	44	42	42
Average carcase weight (kg dwt per lamb sold finished)	20.4	19.4	20.2	20.4	19.7	18.8
Average store weight (kg lwt per lamb sold store)	0	34	37	0	34	37
Average age at sale (days)	149	149	192	149	151	195
Daily liveweight gain to sale (kg per day)	0.23	0.21	0.20	0.23	0.22	0.18
Return per lamb sold finished (£)	77.39	75.13	79.66	77.39	76.59	72.09
Return per lamb sold store (£)	0.00	55.54	53.73	0.00	55.54	53.73
Reared lambs sold finished (%)	47	51	31	47	54	23
Reared lambs sold store (%)	0	5	20	0	5	21
Reared lambs sold breeding (%)	6	1	8	6	1	8
Reared lambs transferred to other enterprises (%)	47	42	41	47	39	47
Lamb weight produced per forage hectare (kg/ha)	522	323	302	522	357	239
Total FW ewe concentrate use (kg per ewe)	34	44	39	34	51	25
Total DM ewe concentrate use (kg per ewe)	25	38	33	25	44	21
Average ewe concentrate cost (£ per tonne)	179	193	169	179	181	211
Total FW forage (kg per ewe)	106	89	124	106	98	101
Total DM forage (kg per ewe)	41	41	48	41	46	37
Creep feed per lamb reared (kg per lamb)	3	17	4	3	18	1
Number of weeks housed	11	7	6	11	6	7
Stocking rate (LU per ha)	1.5	0.9	0.9	1.5	1.0	0.7
Total forage area allocated to enterprise (ha)	114	83	66	114	77	76
Inorganic nitrogen use (kg per ha)	0	0	37	0	0	32
Labour use - paid hours per ewe	0.9	1.3	1.4	0.9	1.4	1.2
Labour use - unpaid hours per ewe	1.2	1.2	3.1	1.2	1.5	2.4