



**AHDB Beef and Lamb
Farmbench
Costs of Production 2017/18**

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	14	28	14	14	28	14
Average flock size	1057	601	367	1057	612	344
Lamb sales	77.777	56.8105	48.17812	1.22	1.08	0.96
Market value of lambs retained as replacements and stores	45.966	40.7674	47.89566	0.72	0.77	0.99
Market value of finished lamb consumed on farm	0.16	0.19	0.00	0.00	0.00	0.00
Other income	2.15	2.92	3.04	0.03	0.06	0.06
Gross Output	126.06	100.70	99.11	1.98	1.92	2.01
Cost of purchased or transferred orphans	0.00	0.00	0.00	0.00	0.00	0.00
Replacement costs	11.20	13.67	24.57	0.18	0.26	0.50
Output less replacement costs	114.86	87.03	74.54	1.80	1.65	1.51
Variable Costs						
Purchased feed including minerals	8.90	11.61	11.23	0.14	0.22	0.24
Home-grown feed	1.72	0.24	0.79	0.03	0.01	0.01
Purchased forage	0.25	0.57	0.58	0.00	0.01	0.01
Home-grown forage (excludes contract)	4.90	5.39	4.60	0.08	0.10	0.09
Total feed and forage	15.77	17.81	17.20	0.25	0.34	0.35
Vet and medicine	6.84	7.61	8.86	0.11	0.15	0.18
Bedding	0.85	2.08	1.83	0.01	0.04	0.04
Other livestock expenses	6.40	5.63	8.51	0.10	0.11	0.18
Total variable costs	29.87	33.12	36.39	0.47	0.63	0.75
Gross Margin	84.99	53.91	38.15	1.33	1.02	0.76
Fixed Costs						
Labour - paid	9.91	10.76	16.97	0.16	0.20	0.39
Equipment repairs	1.57	2.38	2.44	0.02	0.05	0.04
Equipment hire	0.07	0.25	0.00	0.00	0.00	0.00
Contracting	3.26	2.63	3.49	0.05	0.05	0.07
Electricity	0.51	0.38	0.70	0.01	0.01	0.02
Fuel	2.49	3.08	3.31	0.04	0.06	0.07
Property maintenance and water	2.41	1.87	5.49	0.04	0.04	0.11
Land Rent (Actual)	8.92	7.36	5.83	0.14	0.14	0.12
Other	3.83	3.80	7.65	0.06	0.07	0.15
Finance	1.19	0.84	0.96	0.02	0.02	0.02
Cash Only fixed costs	34.16	33.35	46.83	0.54	0.63	1.00
Cash Only Cost of Production	75.22	80.14	107.80	1.18	1.52	2.25
Cash Only Net Margin	50.83	20.56	-8.68	0.80	0.40	-0.24
Labour - unpaid (Imputed)	12.95	16.58	32.52	0.20	0.33	0.63
Land Rent (Imputed)	4.80	8.00	24.68	0.08	0.16	0.51
Depreciation	4.11	4.93	8.81	0.06	0.09	0.18
Non-Cash costs	21.85	29.51	66.01	0.34	0.58	1.32
Full Economic fixed costs	56.01	62.86	112.84	0.88	1.21	2.32
Full Economic Cost of Production	97.07	109.65	173.81	1.52	2.10	3.57
Full Economic Net Margin	28.98	-8.95	-74.70	0.45	-0.18	-1.56
Physical Performance						
Number of ewe lambs tupped as a percentage of the total (%)	14	9	5	14	9	3
Ewe to ram ratio	38	39	48	38	40	47
Scanning percentage per ewe scanned (%)	184	172	167	184	173	164
Lambs born alive per 100 ewes to ram	170	156	155	170	156	154
Lambs born dead per 100 ewes to ram	6	9	10	6	9	10
Lambs died in first 48 hours per 100 ewes to ram	7	10	10	7	10	11
Lambs died after 48 hours per 100 ewes to ram	4	8	6	4	8	5
Lambs weaned per 100 ewes to ram	159	138	139	159	139	138
Lambs reared per 100 ewes to ram	157	137	137	157	137	136
Lamb losses from birth to rearing (% of born alive)	8	12	12	8	12	11
Empty ewes (%)	5	5	5	5	5	5
Ewe mortality (%)	4	5	6	4	5	6
Flock replacement rate (%)	23	21	27	23	21	26
Average age at weaning (days)	117	111	111	117	111	111
Average weight at weaning (kg)	34	32	31	34	32	31
Average liveweight per reared lamb (kg)	41	38	36	41	38	36
Average liveweight (kg lwt per lamb sold finished)	41	41	41	41	41	41
Average carcase weight (kg dwt per lamb sold finished)	19.7	18.9	18.6	19.7	18.9	18.6
Average store weight (kg lwt per lamb sold store)	36	29	32	36	29	32
Average age at sale (days)	140	142	154	140	143	152
Daily liveweight gain to sale (kg per day)	0.23	0.22	0.19	0.23	0.22	0.19
Return per lamb sold finished (£)	83.34	81.05	80.05	83.34	81.03	80.03
Return per lamb sold store (£)	59.73	50.65	50.55	59.73	50.65	50.55
Reared lambs sold finished (%)	52	50	35	52	50	34
Reared lambs sold store (%)	2	2	14	2	2	15
Reared lambs sold breeding (%)	6	0	0	6	0	0
Reared lambs transferred to other enterprises (%)	39	48	51	39	48	52
Lamb weight produced per forage hectare (kg/ha)	290	352	220	290	355	209
Total FW ewe concentrate use (kg per ewe)	37	41	37	37	41	37
Total DM ewe concentrate use (kg per ewe)	32	35	26	32	35	25
Average ewe concentrate cost (£ per tonne)	207	190	187	207	189	192
Total FW forage (kg per ewe)	184	116	160	184	115	168
Total DM forage (kg per ewe)	73	43	58	73	43	61
Creep feed per lamb reared (kg per lamb)	6	9	10	6	8	12
Number of weeks housed	6	9	9	6	8	9
Stocking rate (LU per ha)	0.8	1.1	0.7	0.8	1.1	0.7
Total forage area allocated to enterprise (ha)	210	80	74	210	81	72
Inorganic nitrogen use (kg per ha)	44	62	42	44	59	47
Labour use - paid hours per ewe	1.0	1.2	1.4	1.0	1.1	1.6
Labour use - unpaid hours per ewe	1.1	1.3	2.5	1.1	1.4	2.4