



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

SDA and Non-SDA

Ranked by net margin: perewe or per lwt kg output Financial Performance	(£ per ewe to ram)		(£ per lwt kg output)	
	Non-SDA	SDA	Non-SDA	SDA
	Average	Average	Average	Average
Number of flocks in sample	57	13	57	13
Average flock size	911	790	911	790
Lamb sales	54.11	53.20	1.00	1.08
Market value of lambs retained as replacements and stores	44.40	34.99	0.82	0.71
Market value of finished lamb consumed on farm	0.10	0.05	0.00	0.00
Other income	2.74	3.10	0.05	0.06
Gross Output	101.35	91.33	1.88	1.86
Cost of purchased or transferred orphans	0.00	0.00	0.00	0.00
Replacement costs	13.56	14.62	0.25	0.30
Output less replacement costs	87.79	76.71	1.63	1.56
Variable Costs				
Purchased feed including minerals	8.58	7.26	0.16	0.15
Home-grown feed	0.59	0.28	0.01	0.01
Purchased forage	0.20	0.44	0.00	0.01
Home-grown forage (excludes contract)	6.85	7.26	0.13	0.15
Total feed and forage	16.22	15.23	0.30	0.31
Vet and medicine	7.07	8.55	0.13	0.17
Bedding	0.75	0.50	0.01	0.01
Other livestock expenses	7.15	10.20	0.13	0.21
Total variable costs	31.20	34.49	0.58	0.70
Gross Margin	56.59	42.22	1.05	0.86
Fixed Costs				
Labour - paid	13.89	6.98	0.26	0.14
Machinery repairs and spares	2.10	3.02	0.04	0.06
Equipment hire	0.26	0.01	0.00	0.00
Contracting	2.48	4.50	0.05	0.09
Electricity	0.24	0.10	0.00	0.00
Fuel	2.74	2.07	0.05	0.04
Property maintenance and water	1.57	1.94	0.03	0.04
Land Rent (Actual)	5.87	4.70	0.11	0.10
Other	3.90	3.47	0.07	0.07
Finance	0.77	1.00	0.01	0.02
Cash Only fixed costs	33.81	27.80	0.63	0.57
Cash Only Cost of Production	78.57	76.91	1.45	1.57
Cash Only Net Margin	22.78	14.43	0.42	0.29
Labour - unpaid (Imputed)	14.95	16.81	0.28	0.34
Land Rent (Imputed)	9.40	10.43	0.17	0.21
Depreciation	3.80	3.64	0.07	0.07
Non-Cash costs	28.15	30.89	0.52	0.63
Full Economic fixed costs	61.96	58.69	1.15	1.19
Full Economic Cost of Production	106.72	107.79	1.98	2.19
Full Economic Net Margin	-5.37	-16.46	-0.10	-0.34
Physical Performance				
Number of ewe lambs tupped as a percentage of the total (%)	10	5	10	5
Ewe to ram ratio	43	48	43	48
Scanning percentage per ewe scanned (%)	167	163	167	163
Lambs born alive per 100 ewes to ram	153	148	153	148
Lambs born dead per 100 ewes to ram	9	10	9	10
Lambs died in first 48 hours per 100 ewes to ram	7	8	7	8
Lambs died after 48 hours per 100 ewes to ram	4	2	4	2
Lambs weaned per 100 ewes to ram	142	138	142	138
Lambs reared per 100 ewes to ram	140	132	140	132
Lamb losses from birth to rearing (% of born alive)	8	11	8	11
Empty ewes (%)	4.5	3.9	4.5	3.9
Ewe mortality (%)	4.4	5.4	4.4	5.4
Flock replacement rate (%)	23.9	25.8	23.9	25.8
Average age at weaning (days)	108	120	108	120
Average weight at weaning (kg)	32	32	32	32
Average liveweight per reared lamb (kg)	38	37	38	37
Average liveweight (kg lwt per lamb sold finished)	41	44	41	44
Average carcase weight (kg dwt per lamb sold finished)	19.2	21.2	19.2	21.2
Average store weight (kg lwt per lamb sold store)	32	33	32	33
Average age at sale (days)	143	173	143	173
Daily liveweight gain to sale (kg per day)	0.21	0.19	0.21	0.19
Return per lamb sold finished (£)	78.61	76.22	78.61	76.22
Return per lamb sold store (£)	55.76	53.51	55.76	53.51
Reared lambs sold finished (%)	40	27	40	27
Reared lambs sold store (%)	5	22	5	22
Reared lambs sold breeding (%)	5	8	5	8
Reared lambs transferred to other enterprises (%)	49	43	49	43
Lamb weight produced per forage hectare (kg/ha)	341	230	341	230
Total FW ewe concentrate use (kg per ewe)	31	25	31	25
Total DM ewe concentrate use (kg per ewe)	21	22	21	22
Average ewe concentrate cost (£ per tonne)	153	208	153	208
Total FW forage (kg per ewe)	86	179	86	179
Total DM forage (kg per ewe)	35	54	35	54
Creep feed per lamb reared (kg per lamb)	10	4	10	4
Number of weeks housed	5	3	5	3
Stocking rate (LU per ha)	1.0	0.8	1.0	0.8
Total forage area allocated to enterprise (ha)	129.5	150	129.5	150
Inorganic nitrogen use (kg per ha)	4	2	4	2
Labour use - paid hours per ewe	1.3	0.7	1.3	0.7
Labour use - unpaid hours per ewe	1.2	1.6	1.2	1.6