



**AHDB Beef and Lamb
Stocktake
Costs of Production 2015/16**

Non-SDA April/May Lambing Flocks

Financial Performance (£ per ewe to ram)	(£ per head output)			(£ per lwt kg lamb output)		
	Bottom	Average	Top Third	Bottom	Average	Top
	Third			Third		Third
Number of flocks in sample	14	43	14	14	43	14
Average flock size	452	836	1393	452	836	1393
Lamb output	83.37	87.18	88.21	1.70	1.76	1.82
Other income	2.71	3.69	4.42	0.06	0.07	0.09
Gross Output	86.08	90.88	92.63	1.76	1.83	1.91
Replacement costs	0.52	8.01	9.46	0.01	0.16	0.20
Output less replacement costs	85.56	82.87	83.18	1.74	1.67	1.72
Variable Costs						
Purchased feed including minerals	6.95	3.56	1.82	0.14	0.07	0.04
Home-grown feed	0.26	0.34	0.26	0.01	0.01	0.01
Purchased forage	1.30	0.44	0.02	0.03	0.01	0.00
Home-grown forage (excludes contract)	10.65	4.91	3.46	0.22	0.10	0.07
Total feed and forage	19.16	9.26	5.56	0.39	0.19	0.11
Vet and medicine	10.80	6.55	4.76	0.22	0.13	0.10
Bedding	0.68	0.37	0.29	0.01	0.01	0.01
Other livestock expenses	8.56	8.45	8.27	0.17	0.17	0.17
Total variable costs	39.20	24.63	18.88	0.80	0.50	0.39
Gross Margin	46.36	58.24	64.30	0.95	1.17	1.33
Fixed Costs						
Labour - paid	19.63	11.07	8.08	0.40	0.22	0.17
Machinery repairs and spares	3.74	1.99	1.43	0.08	0.04	0.03
Contracting	3.55	2.42	1.95	0.07	0.05	0.04
Electricity	0.17	0.12	0.11	0.00	0.00	0.00
Fuel	5.14	2.80	2.12	0.10	0.06	0.04
Property maintenance and water	1.52	1.12	0.76	0.03	0.02	0.02
Land Rent (Actual)	22.79	8.85	6.68	0.46	0.18	0.14
Overheads	5.77	3.66	2.45	0.12	0.07	0.05
Cash Only fixed costs	62.31	32.01	23.58	1.27	0.65	0.49
Cash Only Cost of Production	102.03	64.65	51.92	2.08	1.30	1.07
Cash Only Net Margin	-15.95	26.23	40.72	-0.33	0.53	0.84
Depreciation	6.92	4.97	4.39	0.14	0.10	0.09
Finance costs (Imputed)	1.24	1.09	1.14	0.03	0.02	0.02
Labour - unpaid (Imputed)	16.25	10.86	8.71	0.33	0.22	0.18
Land Rent (Imputed)	8.01	8.85	6.16	0.16	0.18	0.13
Non-Cash fixed costs	32.41	25.77	20.40	0.66	0.52	0.42
Full Investment fixed costs	94.72	57.78	43.98	1.93	1.17	0.91
Full Investment Cost of Production	134.44	90.41	72.32	2.74	1.82	1.49
Full Investment Net Margin	-48.37	0.46	20.32	-0.99	0.01	0.42
Physical Performance						
Ewe to ram ratio	42	50	54			
Scanning percentage per ewe scanned (%)	169	165	155			
Lambs born alive per 100 ewes to ram	150	147	142			
Lambs born dead per 100 ewes to ram	6	8	9			
Lambs died in first 48 hours per 100 ewes to ram	10	8	7			
Lambs died after 48 hours per 100 ewes to ram	6	4	4			
Lambs weaned per 100 ewes to ram	136	136	131			
Lambs reared per 100 ewes to ram	136	136	131			
Lamb losses from birth to rearing (% of born alive)	9	8	8			
Empty ewes (%)	6.0	6.8	8.6			
Ewe mortality (%)	3.1	3.1	3.0			
Flock replacement rate (%)	19.0	23.6	25.5			
Average age at weaning (days)	120	118	112			
Average weight at weaning (kg)	32.6	31.3	30.8			
Average liveweight per reared lamb (all lambs) (kg per lamb)	36.0	36.4	37.1			
Average liveweight (kg lwt per lamb sold finished)	42.6	41.4	41.5			
Average carcass weight (kg dwt per lamb sold finished)	19.7	19.1	18.9			
Average store weight (kg lwt per lamb sold store)	30.9	31.4	30.7			
Average age at sale (days)	163	163	164			
Daily liveweight gain to sale (kg per day)	0.21	0.21	0.21			
Lamb weight produced per forage hectare (kg)	246	351	396			
Return per lamb sold finished (£)	68.27	68.94	68.90			
Return per lamb sold store (£)	50.55	49.01	48.54			
Reared lambs sold finished (%)	30	27	27			
Reared lambs sold store (%)	21	11	9			
Reared lambs sold breeding (%)	4	5	7			
Reared lambs valued at end (%)	45	56	56			
Total FW ewe concentrate use (kg per ewe)	17	22	7			
Total DM ewe concentrate use (kg per ewe)	15	13	6			
Average ewe concentrate cost (£ per tonne)	231	147	209			
Total FW forage (kg per ewe)	499	254	196			
Total DM forage (kg per ewe)	104	59	47			
Creep feed per lamb reared (kg per lamb)	5	2	1			
Number of full grazing weeks	47	48	49			
Stocking rate (LU per ha)	0.6	0.8	0.9			
Inorganic nitrogen use (kg per ha)	41	22	15			
Labour use - paid hours per ewe	2.4	1.2	0.8			
Labour use - unpaid hours per ewe	1.6	1.2	0.9			