



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

Outdoor 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 | 8 | 16 | 8 | 8 | 16 | 8 |
| Average flock size | 1666 | 1245 | 437 | 1666 | 1234 | 460 |
| Lamb sales | 57.239 | 40.2788 | 22.35099 | 1.08 | 0.86 | 0.46 |
| Market value of lambs retained as replacements and stores | 43.816 | 45.1663 | 57.72116 | 0.82 | 0.98 | 1.22 |
| Market value of finished lamb consumed on farm | 0.04 | 0.06 | 0.14 | 0.00 | 0.00 | 0.00 |
| Other income | 3.50 | 3.40 | 1.20 | 0.07 | 0.07 | 0.07 |
| Gross Output | 104.59 | 88.90 | 81.41 | 1.96 | 1.91 | 1.76 |
| Cost of purchased or transferred orphans | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Replacement costs | 11.63 | 17.49 | 12.53 | 0.22 | 0.37 | 0.29 |
| Output less replacement costs | 92.97 | 71.40 | 68.88 | 1.75 | 1.53 | 1.46 |
| Variable Costs | | | | | | |
| Purchased feed including minerals | 2.71 | 6.12 | 5.35 | 0.05 | 0.13 | 0.10 |
| Home-grown feed | 0.60 | 0.15 | 0.87 | 0.01 | 0.00 | 0.02 |
| Purchased forage | 0.04 | 0.11 | 0.15 | 0.00 | 0.00 | 0.00 |
| Home-grown forage (excludes contract) | 3.73 | 7.86 | 6.07 | 0.07 | 0.17 | 0.15 |
| Total feed and forage | 7.08 | 14.24 | 12.44 | 0.13 | 0.30 | 0.27 |
| Vet and medicine | 6.13 | 6.57 | 11.21 | 0.12 | 0.14 | 0.24 |
| Bedding | 0.14 | 0.36 | 0.24 | 0.00 | 0.01 | 0.00 |
| Other livestock expenses | 5.96 | 8.21 | 7.74 | 0.11 | 0.18 | 0.17 |
| Total variable costs | 19.30 | 29.39 | 31.63 | 0.36 | 0.63 | 0.68 |
| Gross Margin | 73.66 | 42.01 | 37.25 | 1.38 | 0.90 | 0.78 |
| Fixed Costs | | | | | | |
| Labour - paid | 11.79 | 12.45 | 14.82 | 0.22 | 0.26 | 0.35 |
| Machinery repairs and spares | 1.40 | 1.62 | 4.00 | 0.03 | 0.04 | 0.08 |
| Equipment hire | 0.48 | 0.19 | 0.12 | 0.01 | 0.00 | 0.00 |
| Contracting | 2.28 | 3.05 | 2.32 | 0.04 | 0.06 | 0.06 |
| Electricity | 0.21 | 0.10 | 0.44 | 0.00 | 0.00 | 0.01 |
| Fuel | 2.09 | 2.20 | 3.66 | 0.04 | 0.05 | 0.08 |
| Property maintenance and water | 1.08 | 1.34 | 2.61 | 0.02 | 0.03 | 0.05 |
| Land Rent (Actual) | 2.00 | 6.24 | 15.53 | 0.04 | 0.13 | 0.37 |
| Other | 3.11 | 3.20 | 7.37 | 0.06 | 0.07 | 0.17 |
| Finance | 0.63 | 1.14 | 0.34 | 0.01 | 0.02 | 0.01 |
| Cash Only fixed costs | 25.07 | 31.53 | 51.23 | 0.47 | 0.67 | 1.18 |
| Cash Only Cost of Production | 55.99 | 78.41 | 95.39 | 1.05 | 1.67 | 2.15 |
| Cash Only Net Margin | 48.60 | 10.49 | -13.98 | 0.91 | 0.24 | -0.40 |
| Labour - unpaid (Imputed) | 9.13 | 14.63 | 28.23 | 0.17 | 0.33 | 0.55 |
| Land Rent (Imputed) | 12.52 | 9.11 | 5.72 | 0.24 | 0.20 | 0.10 |
| Depreciation | 2.69 | 3.06 | 3.64 | 0.05 | 0.07 | 0.08 |
| Non-Cash costs | 24.33 | 26.80 | 37.59 | 0.46 | 0.59 | 0.73 |
| Full Economic fixed costs | 49.40 | 58.33 | 88.82 | 0.93 | 1.26 | 1.91 |
| Full Economic Cost of Production | 80.33 | 105.21 | 132.98 | 1.51 | 2.26 | 2.88 |
| Full Economic Net Margin | 24.26 | -16.31 | -51.57 | 0.46 | -0.35 | -1.13 |
| Physical Performance | | | | | | |
| Number of ewe lambs tupped as a percentage of the total (%) | 8.6278 | 8.72773 | 7.357572 | 9 | 9 | 7 |
| Ewe to ram ratio | 37 | 54 | 38 | 37 | 54 | 39 |
| Scanning percentage per ewe scanned (%) | 153 | 169 | 165 | 153 | 171 | 155 |
| Lambs born alive per 100 ewes to ram | 145 | 151 | 149 | 145 | 153 | 138 |
| Lambs born dead per 100 ewes to ram | 11 | 11 | 8 | 11 | 11 | 10 |
| Lambs died in first 48 hours per 100 ewes to ram | 5 | 12 | 4 | 5 | 12 | 4 |
| Lambs died after 48 hours per 100 ewes to ram | 2 | 5 | 5 | 2 | 4 | 6 |
| Lambs weaned per 100 ewes to ram | 138 | 135 | 141 | 138 | 137 | 128 |
| Lambs reared per 100 ewes to ram | 136 | 132 | 138 | 136 | 135 | 125 |
| Lamb losses from birth to rearing (% of born alive) | 6 | 13 | 8 | 6 | 12 | 9 |
| Empty ewes (%) | 4.3 | 4.2 | 4.2 | 4 | 4 | 5 |
| Ewe mortality (%) | 4.0 | 6.5 | 4.7 | 4 | 6 | 6 |
| Flock replacement rate (%) | 28.7 | 28.5 | 20.5 | 29 | 29 | 21 |
| Average age at weaning (days) | 117 | 106 | 119 | 117 | 107 | 113 |
| Average weight at weaning (kg) | 36 | 31 | 29 | 36 | 31 | 28 |
| Average liveweight per reared lamb (kg) | 39 | 35 | 34 | 39 | 35 | 33 |
| Average liveweight (kg lwt per lamb sold finished) | 42 | 40 | 38 | 42 | 40 | 38 |
| Average carcase weight (kg dwt per lamb sold finished) | 19.5 | 18.4 | 17.5 | 19.5 | 18.4 | 17.4 |
| Average store weight (kg lwt per lamb sold store) | 34 | 31 | 27 | 34 | 31 | 26 |
| Average age at sale (days) | 144 | 147 | 179 | 144 | 147 | 176 |
| Daily liveweight gain to sale (kg per day) | 0.22 | 0.19 | 0.17 | 0.22 | 0.19 | 0.17 |
| Return per lamb sold finished (£) | 83.12 | 73.24 | 67.74 | 83.12 | 73.18 | 67.36 |
| Return per lamb sold store (£) | 57.97 | 54.44 | 49.82 | 57.97 | 55.87 | 39.99 |
| Reared lambs sold finished (%) | 37 | 25 | 19 | 37 | 26 | 18 |
| Reared lambs sold store (%) | 4 | 15 | 5 | 4 | 15 | 9 |
| Reared lambs sold breeding (%) | 11 | 4 | 1 | 11 | 5 | 0 |
| Reared lambs transferred to other enterprises (%) | 48 | 55 | 75 | 48 | 55 | 73 |
| Lamb weight produced per forage hectare (kg/ha) | 326 | 249 | 200 | 326 | 256 | 175 |
| Total FW ewe concentrate use (kg per ewe) | 11 | 14 | 24 | 11 | 15 | 17 |
| Total DM ewe concentrate use (kg per ewe) | 9 | 12 | 20 | 9 | 13 | 15 |
| Average ewe concentrate cost (£ per tonne) | 193 | 247 | 170 | 193 | 239 | 181 |
| Total FW forage (kg per ewe) | 36 | 86 | 88 | 36 | 90 | 64 |
| Total DM forage (kg per ewe) | 19 | 32 | 35 | 19 | 33 | 26 |
| Creep feed per lamb reared (kg per lamb) | 0 | 4 | 3 | 0 | 4 | 3 |
| Number of weeks housed | 0 | 3 | 1 | 0 | 3 | 1 |
| Stocking rate (LU per ha) | 1.0 | 0.9 | 0.8 | 1.0 | 0.9 | 0.7 |
| Total forage area allocated to enterprise (ha) | 244 | 206 | 90 | 244 | 203 | 96 |
| Inorganic nitrogen use (kg per ha) | 0 | 2 | 5 | 0 | 2 | 5 |
| Labour use - paid hours per ewe | 1.1 | 1.1 | 1.4 | 1.1 | 1.1 | 1.4 |
| Labour use - unpaid hours per ewe | 0.8 | 1.2 | 2.3 | 0.8 | 1.3 | 1.9 |