



## Breeding ewes cost of production ranked by total economic margin, per ewe put to the ram

  Breeding ewes - cost of production		2021/22 (Lambing 2022)			2022/23 (Lambing 2023)			Change YOY for middle 50%
		Top 25%	Middle 50%	Bottom 25%	Top 25%	Middle 50%	Bottom 25%	
KPIs	Cost of production per lamb reared (£/kg)	1.89	2.42	3.97	1.91	2.99	5.29	24%
	Lambs reared per 100 ewes put to the ram (%)	154.46	138.67	137.57	142.59	133.29	132.79	-4%
	Daily liveweight gain for reared lambs (kg/day)	0.24	0.20	0.22	0.21	0.20	0.18	0%
Enterprise detail	Number of ewes put to ram	986	621	161	833	525	197	-15%
	Total forage area allocated to enterprise (ha)	108	102	32	134	97	85	-5%
Technical performance	Ewe to ram ratio	44.22	47.26	34.15	52.70	40.35	30.43	-15%
	Scanning %	180	166	163	172	166	157	0%
	Empty ewes %	3.31	4.55	9.47	5.92	4.92	6.54	8%
	Age at sale (days)	152	171	184	169	165	188	-4%
	Weight produced per forage hectare (kg/ha lwt)	507	286	284	307	242	93	-15%
	Non-forage feed fed DM (kg/hd)	12.85	16.90	83.19	8.48	32.60	39.45	93%
	Harvested forage fed DM (kg/hd)	66.67	72.35	55.17	53.96	67.76	86.99	-6%
	Creep feed fed (kg/hd)	6.37	6.60	3.41	1.08	10.43	12.54	58%
Income (£/ewe put to the ram)	Total income	170	129	135	151	132	108	2%
Variable costs (£/ewe put to the ram)	Vet and medicine	9.42	9.93	16.77	7.29	8.72	11.63	-12%
	Bedding	2.12	0.77	1.86	1.29	1.32	1.29	71%
	<b>Total variable costs excluding feed</b>	<b>37.61</b>	<b>41.34</b>	<b>54.37</b>	<b>32.33</b>	<b>39.40</b>	<b>55.83</b>	<b>-5%</b>
	Purchased feed including minerals	7.33	10.99	40.69	5.67	17.80	21.82	62%
	Homegrown forage variable costs	6.40	5.58	11.64	3.51	7.05	5.01	26%
	<b>Total feed and forage costs</b>	<b>18.20</b>	<b>19.07</b>	<b>53.36</b>	<b>14.17</b>	<b>27.40</b>	<b>37.51</b>	<b>44%</b>
Overhead costs (£/ewe)	Total labour	26.04	23.77	59.04	22.16	28.45	54.09	20%
	Total administration costs	3.74	5.72	15.25	3.84	5.33	13.35	-7%

put to the ram)	Total machinery and equipment	12.45	15.35	25.16	9.77	17.70	30.49	15%
	Total property and energy costs	4.49	4.27	9.05	3.80	5.19	10.71	22%
	<b>Total overheads</b>	<b>61.24</b>	<b>66.37</b>	<b>135.00</b>	<b>58.92</b>	<b>82.18</b>	<b>145.07</b>	<b>24%</b>
Full cost of production and net margin	<b>Full economic cost of production (£/ewe put to the ram)</b>	<b>117.05</b>	<b>126.78</b>	<b>242.73</b>	<b>105.42</b>	<b>148.99</b>	<b>238.40</b>	<b>18%</b>
	<b>Full economic net margin (£/ewe put to the ram)</b>	<b>53.44</b>	<b>2.10</b>	<b>-107.49</b>	<b>45.32</b>	<b>-17.29</b>	<b>-130.31</b>	<b>£ -19.39 / ewe put to the ram</b>