

## Hampshire Down Breed Benchmark 2020 – National Terminal Sire Evaluation

Estimated Breeding Value	Attribute	Bottom 5%	Bottom 10%	Bottom 25%	Average	Top 25%	Top 10%	Top 5%
Birth Weight EBV (kg)	Birth Weight	0.33	0.29	0.21	0.12	0.03	-0.05	-0.09
Maternal Ability EBV (kg)	Milk / Care	-0.31	-0.19	0.01	0.23	0.45	0.65	0.77
Litter Size Born EBV (%)	Prolificacy	-0.06	-0.04	-0.01	0.02	0.05	0.08	0.1
Litter Size Reared EBV (%)	Prolificacy/Care	-0.06	-0.04	-0.01	0.02	0.05	0.08	0.1
Eight Week Weight EBV (kg)	Growth	-0.48	-0.16	0.38	0.98	1.58	2.12	2.44
Scan Weight EBV (kg)	Growth	-1.49	-0.63	0.81	2.41	4.01	5.45	6.31
Muscle Depth EBV (mm)*	Muscling	-1.04	-0.78	-0.33	0.16	0.65	1.1	1.36
Fat Depth EBV (mm)*	Finish	-0.65	-0.53	-0.33	-0.11	0.11	0.31	0.43
Lean Weight EBV (kg)*	Muscling	-0.29	-0.2	-0.07	0.09	0.25	0.38	0.47
Fat Weight EBV (kg)*	Finish	-0.57	-0.46	-0.28	-0.08	0.12	0.3	0.41
Gigot Muscularity EBV (mm)*	Muscling	-3.22	-2.6	-1.57	-0.42	0.73	1.76	2.38
Mature Size EBV (Shearling Weight) (kg)	Ewe efficiency	-3.52	-2.43	-0.62	1.4	3.42	5.23	6.32
FEC - Faecal Egg Count EBV	Health	0.12	0.09	0.03	-0.04	-0.11	-0.17	-0.2
CT Muscle Area EBV (mm <sup>2</sup> )*	Muscling	-1.39	-0.85	0.05	1.06	2.07	2.97	3.51
CT Intramuscular Fat % EBV (%)*	Meat quality	-0.17	-0.14	-0.09	-0.04	0.01	0.06	0.09
Total Spine Length EBV (cm)*	Carcase length	-23.63	-19.52	-12.64	-4.99	2.66	9.54	13.65
Total Spine Vertebrae Count EBV (vertebra)	Carcase length	-0.48	-0.39	-0.26	-0.01	0.06	0.19	0.28
Thoracic Length EBV (cm)*	Carcase length	-12.52	-10.24	-6.43	-2.19	2.05	5.86	8.14
Thoracic Vertebrae Count EBV (vertebra)	Carcase length	-0.13	-0.1	-0.06	-0.01	0.04	0.08	0.11
Lumbar Length EBV (cm)*	Carcase length	-9.31	-7.69	-4.98	-1.97	1.04	3.75	5.37
Lumbar Vertebrae Count EBV (vertebra)	Carcase length	-0.13	-0.11	-0.07	-0.03	0.01	0.05	0.07
Terminal Sire Index	Profitable slaughter lambs	<b>52</b>	<b>74</b>	<b>110</b>	<b>150</b>	<b>190</b>	<b>226</b>	<b>248</b>
Maternal Index	Profitable ewes	<b>68</b>	<b>85</b>	<b>114</b>	<b>147</b>	<b>179</b>	<b>208</b>	<b>226</b>

**Rebasing** - EBVs and indexes have been rebased and are expressed relative to the average animal in 2010.

### Weight adjusted traits

Please note that all traits marked \* are now weight adjusted. This means that EBVs are a better prediction of carcass composition at a fixed weight.

Example: A ram with a muscle depth EBV of +2mm is estimated to produce lambs with loin depths 1mm deeper at a fixed weight than a ram with an EBV of 0