

Charollais Breed Benchmark 2019 – 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	0.38	0.32	0.23	0.13	0.03	-0.06	-0.12
Maternal Ability EBV (kg)	Milk / Care	-0.68	-0.45	-0.07	0.36	0.79	1.17	1.4
Litter Size Born EBV (%)	Prolificacy	-0.08	-0.06	-0.03	0	0.03	0.06	0.08
Litter Size Reared EBV (%)	Prolificacy/Care	-0.09	-0.07	-0.04	-0.01	0.02	0.05	0.07
Eight Week Weight EBV (kg)	Growth	-0.63	-0.26	0.36	1.06	1.76	2.38	2.75
Scan Weight EBV (kg)	Growth	-1.79	-0.8	0.86	2.7	4.54	6.2	7.19
Muscle Depth EBV (mm)*	Muscling	-0.8	-0.46	0.1	0.73	1.36	1.92	2.26
Fat Depth EBV (mm)*	Finish	-0.67	-0.53	-0.3	-0.04	0.22	0.45	0.59
Lean Weight EBV (kg)*	Muscling	-0.19	-0.09	0.06	0.24	0.42	0.57	0.67
Fat Weight EBV (kg)*	Finish	-0.65	-0.54	-0.36	-0.16	0.04	0.22	0.33
Gigot Muscularity EBV (mm)*	Muscling	-2.82	-2.23	-1.22	-0.11	1	2.01	2.6
Mature Size EBV (Shearling Weight) (kg)	Ewe efficiency	-3.14	-2.09	-0.34	1.61	3.56	5.31	6.36
FEC - Faecal Egg Count EBV	Health	0.2	0.14	0.03	-0.08	-0.19	-0.3	-0.36
CT Muscle Area EBV (mm ²)*	Muscling	-1.71	-1.03	0.11	1.38	2.65	3.79	4.47
CT Intramuscular Fat % EBV (%)*	Meat quality	-0.25	-0.21	-0.14	-0.07	0	0.07	0.11
Total Spine Length EBV (cm)*	Carcase length	-17.96	-14.98	-9.99	-4.44	1.11	6.1	9.08
Total Spine Vertebrae Count EBV (vertebra)	Carcase length	-0.49	-0.4	-0.27	-0.11	0.05	0.18	0.27
Thoracic Length EBV (cm)*	Carcase length	-5.86	-4.58	-2.43	-0.04	2.35	4.5	5.78
Thoracic Vertebrae Count EBV (vertebra)	Carcase length	-0.12	-0.1	-0.06	-0.02	0.02	0.06	0.08
Lumbar Length EBV (cm)*	Carcase length	-13.74	-11.62	-8.07	-4.13	-0.19	3.36	5.48
Lumbar Vertebrae Count EBV (vertebra)	Carcase length	-0.17	-0.14	-0.09	-0.04	0.01	0.06	0.09
Terminal Sire Index	Profitable slaughter lambs	132	156	195	240	284	324	348
Maternal Index	Profitable ewes	132	152	187	225	264	298	319

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