

Charollais 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	0.39	0.33	0.24	0.14	0.04	-0.05	-0.11
Maternal Ability EBV (kg)	Milk / Care	-0.64	-0.4	-0.01	0.43	0.87	1.26	1.5
Litter Size Born EBV (%)	Prolificacy	-0.08	-0.06	-0.03	0	0.03	0.06	0.08
Litter Size Reared EBV (%)	Prolificacy/Care	-0.08	-0.06	-0.03	0	0.03	0.06	0.08
Eight Week Weight EBV (kg)	Growth	-0.58	-0.2	0.43	1.13	1.83	2.46	2.84
Scan Weight EBV (kg)	Growth	-1.55	-0.56	1.11	2.97	4.83	6.5	7.49
Muscle Depth EBV (mm)*	Muscling	-0.78	-0.43	0.15	0.8	1.45	2.03	2.38
Fat Depth EBV (mm)*	Finish	-0.74	-0.6	-0.35	-0.07	0.21	0.46	0.6
Lean Weight EBV (kg)*	Muscling	-0.22	-0.13	0.04	0.22	0.4	0.57	0.66
Fat Weight EBV (kg)*	Finish	-0.67	-0.55	-0.36	-0.14	0.08	0.27	0.39
Gigot Muscularity EBV (mm)*	Muscling	-2.7	-2.08	-1.05	0.1	1.25	2.28	2.9
Mature Size EBV (Shearling Weight) (kg)	Ewe efficiency	-2.66	-1.65	0.03	1.9	3.77	5.45	6.46
FEC - Faecal Egg Count EBV	Health	0.17	0.12	0.02	-0.09	-0.2	-0.3	-0.35
CT Muscle Area EBV (mm ²)*	Muscling	-1.21	-0.6	0.41	1.54	2.67	3.68	4.29
CT Intramuscular Fat % EBV (%)*	Meat quality	-0.22	-0.19	-0.13	-0.06	0.01	0.07	0.1
Total Spine Length EBV (cm)*	Carcase length	-20.7	-17.38	-11.83	-5.66	0.51	6.06	9.38
Total Spine Vertebrae Count EBV (vertebra)	Carcase length	-0.53	-0.45	-0.3	-0.14	0.02	0.17	0.25
Thoracic Length EBV (cm)*	Carcase length	-7.95	-6.47	-3.99	-1.24	1.51	3.99	5.47
Thoracic Vertebrae Count EBV (vertebra)	Carcase length	-0.16	-0.13	-0.09	-0.04	0.01	0.05	0.08
Lumbar Length EBV (cm)*	Carcase length	-13.48	-11.44	-8.03	-4.24	-0.45	2.96	5
Lumbar Vertebrae Count EBV (vertebra)	Carcase length	-0.2	-0.17	-0.11	-0.05	0.01	0.07	0.1
Terminal Sire Index	Profitable slaughter lambs	68	93	135	182	229	271	296
Maternal Index	Profitable ewes	56	79	119	162	206	245	269

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