

**Angus
Percentiles for Non-Parent Bulls**

Top %	Birth Wt.	Wean Wt.	Year Wt.	Mat. Milk	Direct CE	Mat. CE	Doc.	Carcass EPDs			
								Carc. Wt.	Marb.	REA	Fat
1%	-2.8	78	136	37	16	16	32	67	1.37	1.05	-0.050
2%	-2.3	74	130	35	15	15	31	63	1.25	0.98	-0.043
3%	-1.9	72	126	34	14	14	29	61	1.17	0.94	-0.038
4%	-1.7	71	124	33	14	14	29	59	1.11	0.90	-0.035
5%	-1.5	69	121	33	13	14	28	58	1.07	0.87	-0.032
10%	-0.8	65	114	30	12	13	25	53	0.92	0.78	-0.022
15%	-0.4	62	109	29	11	12	24	49	0.83	0.72	-0.015
20%	0.0	60	105	28	10	11	22	47	0.76	0.67	-0.010
25%	0.3	58	102	27	9	11	21	45	0.70	0.63	-0.006
30%	0.5	56	99	26	9	10	20	43	0.65	0.60	-0.002
35%	0.8	55	97	26	8	10	19	41	0.61	0.56	0.001
40%	1.0	53	94	25	8	10	18	39	0.57	0.53	0.005
45%	1.2	52	92	24	7	9	16	37	0.53	0.50	0.008
50%	1.4	51	89	24	6	9	15	36	0.50	0.47	0.011
55%	1.6	49	87	23	6	8	14	34	0.47	0.44	0.014
60%	1.8	48	85	23	5	8	13	32	0.43	0.42	0.017
65%	2.0	46	82	22	5	8	12	31	0.40	0.39	0.020
70%	2.2	45	79	21	4	7	11	29	0.36	0.35	0.024
75%	2.5	43	76	21	3	6	9	27	0.33	0.32	0.028
80%	2.8	41	73	20	3	6	8	25	0.29	0.28	0.032
85%	3.1	39	69	19	2	5	6	22	0.24	0.24	0.037
90%	3.5	36	63	18	0	4	3	19	0.19	0.18	0.043
95%	4.2	31	54	16	-2	2	-1	13	0.11	0.10	0.052

Percentiles for \$ Indexes are on the next page.

Angus
Percentiles for Non-Parent Bulls

Top %	\$Value Indexes					
	\$W	\$F	\$G	\$QG	\$YG	\$B
1%	79.27	107.19	57.55	51.14	12.95	177.61
2%	75.67	99.00	54.64	48.45	11.96	170.67
3%	73.22	94.01	52.91	46.88	11.28	166.33
4%	71.36	90.33	51.57	45.86	10.81	162.96
5%	69.81	87.38	50.44	44.73	10.36	159.93
10%	64.23	77.42	46.65	41.59	9.08	150.02
15%	60.54	70.77	44.08	39.17	8.10	143.04
20%	57.70	65.62	41.92	37.46	7.37	137.46
25%	55.31	61.26	40.04	35.77	6.72	132.68
30%	53.22	57.35	38.39	34.45	6.11	128.26
35%	51.34	53.81	36.82	33.05	5.59	124.09
40%	49.58	50.46	35.33	31.64	5.02	120.09
45%	47.91	47.19	33.91	30.18	4.58	116.29
50%	46.28	44.02	32.53	29.02	4.11	112.52
55%	44.70	40.76	31.18	27.77	3.53	108.69
60%	43.07	37.61	29.78	26.55	3.02	104.83
65%	41.35	34.26	28.39	25.18	2.43	100.77
70%	39.57	30.67	26.95	23.87	1.84	96.44
75%	37.65	26.62	25.41	22.51	1.15	91.87
80%	35.38	22.28	23.68	20.69	0.40	86.69
85%	32.73	16.97	21.61	18.71	-0.60	80.49
90%	29.18	9.73	18.99	16.14	-1.90	72.70
95%	23.64	-1.74	15.03	11.99	-3.86	60.53

Charolais
Percentiles for Non-Parent Bulls

Top %	Birth Wt.	Wean Wt.	Year Wt.	Mat. Milk	Direct CE	Mat. CE	Carcass EPDs			\$ Index	
							Carc. Wt.	Marb.	REA	Fat	TSI
1%	-4.9	49.5	89.7	21.1	14.7	12.0	40.5	0.42	1.15	-0.025	233.36
2%	-4.2	47.0	85.2	19.7	13.6	11.3	37.8	0.39	1.09	-0.023	229.06
3%	-3.8	45.5	82.4	18.8	12.9	10.8	36.3	0.37	1.06	-0.020	226.35
4%	-3.5	44.4	80.3	18.1	12.4	10.5	35.1	0.35	1.03	-0.019	224.33
5%	-3.2	43.5	78.6	17.6	12.0	10.2	34.3	0.34	1.01	-0.018	222.82
6%	-3.0	42.7	77.2	17.1	11.6	10.0	33.3	0.33	0.99	-0.017	221.52
7%	-2.8	42.0	75.9	16.7	11.3	9.8	32.6	0.32	0.97	-0.016	220.28
8%	-2.6	41.3	74.7	16.3	11.0	9.6	32.0	0.31	0.96	-0.015	219.22
9%	-2.4	40.8	73.7	16.0	10.7	9.5	31.4	0.30	0.94	-0.014	218.31
10%	-2.3	40.3	72.7	15.7	10.4	9.3	30.9	0.29	0.93	-0.013	217.45
15%	-1.7	38.0	68.9	14.4	9.4	8.7	28.6	0.26	0.88	-0.010	213.90
20%	-1.3	36.3	65.8	13.3	8.6	8.1	26.9	0.24	0.84	-0.007	211.19
25%	-0.9	34.8	63.2	12.5	8.0	7.7	25.2	0.21	0.80	-0.004	208.78
30%	-0.6	33.6	61.0	11.7	7.4	7.3	23.9	0.19	0.77	-0.002	206.71
35%	-0.4	32.4	58.9	11.0	6.8	6.9	22.5	0.18	0.75	0.000	204.73
40%	-0.1	31.2	56.9	10.3	6.3	6.5	21.4	0.16	0.72	0.002	202.87
45%	0.1	30.2	55.0	9.6	5.8	6.1	20.2	0.14	0.69	0.004	201.10
50%	0.4	29.1	53.2	8.9	5.3	5.8	19.1	0.13	0.67	0.006	199.33
55%	0.6	28.0	51.4	8.2	4.8	5.4	18.0	0.11	0.65	0.008	197.57
60%	0.8	27.0	49.4	7.5	4.3	5.0	16.9	0.10	0.62	0.010	195.78
65%	1.1	25.9	47.4	6.8	3.7	4.5	15.5	0.08	0.59	0.012	193.96
70%	1.3	24.7	45.4	6.1	3.1	4.0	14.3	0.07	0.57	0.014	192.07
75%	1.6	23.4	43.1	5.3	2.5	3.5	12.9	0.05	0.54	0.017	189.98
80%	1.9	21.9	40.5	4.4	1.7	2.9	11.1	0.04	0.50	0.020	187.75
85%	2.2	20.1	37.3	3.3	0.7	2.1	8.9	0.02	0.47	0.023	184.99
90%	2.7	17.7	33.2	2.0	-0.6	0.9	6.0	-0.01	0.41	0.027	181.52
95%	3.4	13.9	26.3	0.0	-2.6	-1.0	1.4	-0.04	0.33	0.032	175.88
100%	10.4	-13.7	-20.0	-13.9	-25.1	-15.0	-30.3	-0.27	-0.28	0.061	131.73

Hereford
Percentiles for Non-Parent Bulls

Top %	Birth Wt.	Wean Wt.	Year Wt.	Mat. Milk	Dir. CE	Mat. CE	Carcass EPDs			\$ Indexes			
							Carc. Wt.	Marb.	REA	Fat	BMI\$	BIIS	CHBS
1%	-1.4	70	113	37	12.3	9.2	85	0.43	0.76	-0.036	32	27	37
2%	-0.8	68	109	35	11.1	8.2	83	0.38	0.70	-0.036	31	26	36
3%	-0.4	66	107	34	10.3	7.6	81	0.34	0.66	-0.036	30	26	35
4%	-0.2	65	105	33	9.8	7.2	79	0.32	0.64	-0.026	30	25	34
5%	0.0	64	104	32	9.3	6.9	78	0.30	0.62	-0.026	29	25	34
10%	0.8	61	99	30	7.6	5.7	75	0.25	0.56	-0.016	28	24	32
15%	1.3	59	96	29	6.5	5.0	72	0.21	0.52	-0.016	27	23	32
20%	1.6	58	93	28	5.6	4.4	71	0.19	0.49	-0.016	26	22	31
25%	2.0	56	91	27	4.8	3.9	69	0.17	0.47	-0.006	25	22	30
30%	2.2	55	89	26	4.1	3.4	68	0.15	0.44	-0.006	25	21	30
35%	2.5	54	87	25	3.5	3.0	67	0.13	0.42	-0.006	24	21	30
40%	2.7	53	86	25	2.9	2.6	66	0.12	0.40	0.004	24	20	29
45%	2.9	52	84	24	2.3	2.3	65	0.11	0.38	0.004	23	20	29
50%	3.1	51	82	23	1.7	1.9	63	0.09	0.37	0.004	23	19	28
55%	3.3	50	81	23	1.1	1.5	62	0.08	0.35	0.004	22	19	28
60%	3.5	49	79	22	0.5	1.1	61	0.07	0.33	0.014	21	18	28
65%	3.7	48	78	21	-0.1	0.7	60	0.06	0.31	0.014	21	18	27
70%	4.0	47	76	21	-0.7	0.3	59	0.05	0.29	0.014	20	18	27
75%	4.2	46	74	20	-1.4	-0.2	58	0.03	0.26	0.024	20	17	26
80%	4.5	45	72	19	-2.2	-0.7	56	0.02	0.24	0.024	19	16	26
85%	4.9	43	69	18	-3.1	-1.3	54	0.00	0.20	0.034	18	16	25
90%	5.3	41	66	17	-4.2	-2.1	52	-0.02	0.16	0.044	17	15	25
95%	6.0	38	61	15	-5.9	-3.4	49	-0.05	0.10	0.054	15	13	23
100%	14.0	-5	-15	-1	-18.2	-14.8	-3	-0.72	-0.46	0.164	3	4	3

Red Angus
Percentiles for Non-Parent Bulls

Top %	Birth Wt.	Wean. Wt.	Year. Wt.	Mat. Milk	Dir. CE	Mat. CE	Carcass EPDs				\$ Indexes		
							Carc. Wt.	Marb.	REA	Fat	Yield Grade	HB	GM
1%	-7.0	81	131	29	16	10	49	0.83	0.45	-0.05	-0.15	189	55
2%	-6.4	79	126	28	14	10	46	0.78	0.41	-0.04	-0.13	180	55
3%	-6.0	77	123	27	14	9	44	0.75	0.38	-0.04	-0.12	174	54
4%	-5.7	75	121	26	13	9	42	0.73	0.36	-0.04	-0.11	170	54
5%	-5.5	74	119	26	13	9	41	0.71	0.34	-0.03	-0.10	166	54
10%	-4.7	70	113	24	11	8	36	0.65	0.28	-0.03	-0.07	154	53
15%	-4.2	68	108	23	10	7	33	0.60	0.24	-0.02	-0.05	146	52
20%	-3.8	66	105	23	9	7	31	0.57	0.21	-0.02	-0.04	139	52
25%	-3.4	64	102	22	9	7	29	0.54	0.18	-0.01	-0.02	134	51
30%	-3.1	63	99	21	8	6	27	0.51	0.16	-0.01	-0.01	129	51
35%	-2.8	61	97	21	8	6	26	0.49	0.13	-0.01	0.00	124	51
40%	-2.5	60	94	20	7	6	24	0.46	0.11	-0.01	0.01	120	50
45%	-2.3	58	92	20	7	5	23	0.44	0.09	0.00	0.02	115	50
50%	-2.0	57	90	19	6	5	21	0.42	0.07	0.00	0.03	111	50
55%	-1.7	56	88	18	5	5	19	0.40	0.05	0.00	0.04	107	49
60%	-1.5	54	86	18	5	4	18	0.38	0.03	0.01	0.05	103	49
65%	-1.2	53	83	17	4	4	16	0.35	0.01	0.01	0.06	98	49
70%	-0.9	51	81	17	4	4	15	0.33	-0.02	0.01	0.07	94	48
75%	-0.6	50	78	16	3	3	13	0.30	-0.04	0.01	0.08	89	48
80%	-0.2	48	75	15	3	3	11	0.27	-0.07	0.02	0.10	83	48
85%	0.2	46	72	15	2	3	9	0.24	-0.10	0.02	0.11	76	47
90%	0.7	44	67	14	1	2	6	0.19	-0.14	0.03	0.13	68	47
95%	1.5	40	61	12	-1	1	1	0.13	-0.20	0.03	0.16	56	46

\$ Indexes:

HB = HerdBuilder

GM = GridMaster

Simmental
Percentiles for Purebred Simmentals

Top %	Birth Wt.	Wean. Wt.	Year. Wt.	Mat. Milk	Dir. CE	Mat. CE	Doc.	Carcass EPDs				\$ Indexes		
								Carc. Wt.	Marb	REA	Fat	Yield Grade	API	TI
1%	-2.4	85.8	131.1	32.7	18.4	15.7	15.2	53.8	0.49	1.17	-0.100	-0.49	163.73	86.19
2%	-1.9	83.3	126.8	31.4	17.4	14.9	14.7	50.9	0.45	1.12	-0.094	-0.46	159.11	84.28
3%	-1.6	81.7	124.1	30.5	16.8	14.3	14.4	49.0	0.42	1.09	-0.091	-0.45	156.19	83.07
4%	-1.4	80.5	122.1	29.9	16.3	13.9	14.2	47.6	0.40	1.07	-0.088	-0.44	153.99	82.16
5%	-1.2	79.5	120.4	29.4	15.9	13.6	14.0	46.5	0.39	1.05	-0.086	-0.43	152.20	81.42
10%	-0.5	76.2	114.7	27.6	14.5	12.4	13.3	42.5	0.33	0.98	-0.079	-0.40	146.07	78.87
15%	-0.1	73.9	110.9	26.4	13.6	11.6	12.9	39.9	0.30	0.94	-0.074	-0.38	141.93	77.16
20%	0.3	72.1	107.8	25.4	12.9	11.0	12.5	37.8	0.27	0.90	-0.070	-0.37	138.63	75.79
25%	0.6	70.6	105.2	24.6	12.3	10.5	12.2	36.0	0.24	0.87	-0.067	-0.35	135.81	74.63
30%	0.9	69.2	102.8	23.9	11.7	10.0	11.9	34.4	0.22	0.84	-0.063	-0.34	133.26	73.57
35%	1.1	68.0	100.7	23.2	11.2	9.5	11.7	32.9	0.20	0.82	-0.061	-0.33	130.92	72.60
40%	1.3	66.7	98.6	22.5	10.7	9.1	11.5	31.4	0.18	0.80	-0.058	-0.32	128.68	71.67
45%	1.6	65.6	96.6	21.9	10.3	8.7	11.2	30.1	0.16	0.77	-0.056	-0.31	126.53	70.78
50%	1.8	64.4	94.6	21.3	9.8	8.3	11.0	28.7	0.14	0.75	-0.053	-0.30	124.40	69.90
55%	2.0	63.2	92.6	20.7	9.3	7.9	10.8	27.3	0.12	0.73	-0.050	-0.29	122.27	69.02
60%	2.3	62.1	90.6	20.1	8.9	7.5	10.5	26.0	0.10	0.70	-0.048	-0.28	120.12	68.13
65%	2.5	60.8	88.5	19.4	8.4	7.1	10.3	24.5	0.08	0.68	-0.045	-0.27	117.88	67.20
70%	2.7	59.6	86.4	18.7	7.9	6.6	10.1	23.0	0.06	0.66	-0.043	-0.26	115.54	66.23
75%	3.0	58.2	84.0	18.0	7.3	6.1	9.8	21.4	0.04	0.63	-0.040	-0.25	112.99	65.18
80%	3.3	56.7	81.4	17.2	6.7	5.6	9.5	19.6	0.01	0.60	-0.036	-0.23	110.17	64.01
85%	3.7	54.9	78.3	16.2	6.0	5.0	9.1	17.5	-0.02	0.56	-0.032	-0.22	106.87	62.64
90%	4.1	52.6	74.5	15.0	5.1	4.2	8.7	14.9	-0.05	0.52	-0.027	-0.20	102.73	60.93
95%	4.8	49.3	68.8	13.2	3.7	3.0	8.0	10.9	-0.11	0.45	-0.020	-0.17	96.60	58.39

**Simmental
Percentiles for Hybrid Simmentals**

Top %	Birth Wt.	Wean. Wt.	Year. Wt.	Mat. Milk	Dir. CE	Mat. CE	Doc.	Carcass EPDs				\$ Indexes		
								Carc. Wt.	Marb	REA	Fat	Yield Grade	API	TI
1%	-4.4	86.5	138.7	32.0	21.7	14.4	16.1	56.2	0.87	1.08	-0.117	-0.51	179.55	92.21
2%	-3.8	83.8	133.8	30.8	20.5	13.5	15.5	52.9	0.80	1.02	-0.108	-0.48	173.08	89.61
3%	-3.5	82.0	130.7	29.9	19.8	12.9	15.2	50.9	0.76	0.99	-0.102	-0.45	168.98	87.97
4%	-3.2	80.7	128.3	29.3	19.2	12.5	14.9	49.3	0.73	0.96	-0.097	-0.44	165.90	86.73
5%	-3.0	79.6	126.4	28.8	18.8	12.1	14.7	48.1	0.71	0.94	-0.094	-0.42	163.39	85.73
10%	-2.2	75.9	119.9	27.1	17.2	10.9	13.9	43.8	0.62	0.87	-0.081	-0.38	154.78	82.28
15%	-1.7	73.4	115.6	26.0	16.2	10.1	13.4	40.8	0.57	0.82	-0.072	-0.34	148.98	79.95
20%	-1.3	71.4	112.1	25.1	15.3	9.5	13.0	38.5	0.52	0.78	-0.065	-0.32	144.36	78.10
25%	-0.9	69.7	109.1	24.3	14.6	8.9	12.6	36.5	0.49	0.75	-0.060	-0.30	140.40	76.51
30%	-0.6	68.1	106.4	23.6	14.0	8.4	12.3	34.7	0.45	0.71	-0.054	-0.28	136.82	75.08
35%	-0.3	66.7	103.9	22.9	13.4	8.0	12.0	33.1	0.42	0.69	-0.050	-0.26	133.55	73.77
40%	0.0	65.4	101.5	22.3	12.8	7.5	11.7	31.5	0.39	0.66	-0.045	-0.24	130.40	72.50
45%	0.2	64.1	99.3	21.7	12.2	7.1	11.5	30.0	0.36	0.64	-0.040	-0.23	127.39	71.30
50%	0.5	62.8	97.0	21.1	11.7	6.7	11.2	28.5	0.33	0.61	-0.036	-0.21	124.40	70.10
55%	0.8	61.5	94.7	20.5	11.2	6.3	10.9	27.0	0.30	0.58	-0.032	-0.19	121.41	68.90
60%	1.0	60.2	92.5	19.9	10.6	5.9	10.7	25.5	0.27	0.56	-0.027	-0.18	118.40	67.70
65%	1.3	58.9	90.1	19.3	10.0	5.4	10.4	23.9	0.24	0.53	-0.022	-0.16	115.25	66.43
70%	1.6	57.5	87.6	18.6	9.4	5.0	10.1	22.3	0.21	0.51	-0.018	-0.14	111.98	65.12
75%	1.9	55.9	84.9	17.9	8.8	4.5	9.8	20.5	0.17	0.48	-0.012	-0.12	108.40	63.69
80%	2.3	54.2	81.9	17.1	8.1	3.9	9.4	18.5	0.14	0.44	-0.007	-0.10	104.44	62.10
85%	2.7	52.2	78.4	16.2	7.2	3.3	9.0	16.2	0.09	0.40	0.000	-0.08	99.82	60.25
90%	3.2	49.7	74.1	15.1	6.2	2.5	8.5	13.2	0.04	0.35	0.009	-0.04	94.02	57.92
95%	4.0	46.0	67.6	13.4	4.6	1.3	7.7	8.9	-0.05	0.28	0.022	0.00	85.41	54.47

Hybrid Simmental percentiles should be used for SimAngus bulls.