

# FALL 2008 EPD STATISTICS & TRENDS

## FALL 2008 EPD STATISTICS

### SIRES OF 2006-2008 BORN CALVES

	CE Direct	Birth Weight	Weaning Weight	Yearling Weight	Milking Ability	CE Maternal	Scrotal Circum.	Stayability	Docility	Carcass Weight	Ribeye Area	Yield Grade	Marbling Score	\$MTI
Number of Sires	4,373	4,387	4,387	4,387	4,399	4,373	4,276	2,202	3,705	3,557	3,557	3,557	3,557	3,557
Average EPD	6.5	2.0	39.9	75.3	20.2	2.9	0.3	16.7	13.7	15.7	0.40	-0.07	-0.04	42.1
Standard Deviation	4.3	1.9	9.1	14.3	5.4	3.6	0.4	4.1	8.9	14.1	0.23	0.10	0.08	3.8
Min EPD	-9	-9.6	-2	17	-7	-14	-1.3	-9	-24	-53	-0.91	-0.51	-0.28	26
Max EPD	29	10.1	77	142	44	20	1.9	32	46	80	1.40	0.48	0.46	61

### DAMS OF 2006-2008 BORN CALVES

	CE Direct	Birth Weight	Weaning Weight	Yearling Weight	Milking Ability	CE Maternal	Scrotal Circum.	Stayability	Docility	Carcass Weight	Ribeye Area	Yield Grade	Marbling Score	\$MTI
Number of Dams	41,287	41,610	41,610	41,609	41,784	41,287	39,958	23,953	31,655	29,050	29,050	29,050	29,050	29,045
Average EPD	6.4	2.0	36.3	68.8	19.8	2.8	0.2	15.5	11.3	10.8	0.35	-0.08	-0.03	41.3
Standard Deviation	3.9	1.8	8.7	13.8	6.1	3.2	0.3	3.9	8.5	12.4	0.22	0.10	0.07	3.5
Min EPD	-9	-6.3	-1	11	-10	-13	-1.1	-1	-29	-51	-0.94	-0.51	-0.60	21
Max EPD	27	10.6	71	129	48	15	1.6	29	40	70	2.24	0.52	0.58	66

### 2006-2008 BORN CALVES

	CE Direct	Birth Weight	Weaning Weight	Yearling Weight	Milking Ability	CE Maternal	Scrotal Circum.	Stayability	Docility	Carcass Weight	Ribeye Area	Yield Grade	Marbling Score	\$MTI
Number of Calves	64,495	65,788	65,788	65,785	66,599	64,495	57,163	3,588	37,162	42,533	42,533	42,533	42,533	42,403
Average EPD	7.2	1.6	40.2	76.1	20.8	3.2	0.3	16.7	14.5	17.9	0.35	-0.03	0.00	43.4
Standard Deviation	3.7	1.8	8.2	13.3	4.8	2.9	0.3	3.5	7.6	13.2	0.25	0.12	0.10	4.1
Min EPD	-9	-8.2	-2	24	0	-9	-0.9	3	-22	-61	-1.27	-0.47	-0.33	26
Max EPD	28	10.6	76	144	43	15	2.0	29	43	101	1.76	0.65	0.62	66

### 2006-2008 BORN LIM-FLEX CALVES

	CE Direct	Birth Weight	Weaning Weight	Yearling Weight	Milking Ability	CE Maternal	Scrotal Circum.	Stayability	Docility	Carcass Weight	Ribeye Area	Yield Grade	Marbling Score	\$MTI
Number of Calves	6,586	6,933	6,933	6,933	7,028	6,586	4,242	107	3,199	6,193	6,193	6,193	6,193	6,168
Average EPD	7.8	0.0	42.8	83.8	24.2	2.4	0.3	13.7	11.9	17.3	0.04	0.12	0.14	47.5
Standard Deviation	2.9	1.6	8.2	13.7	5.1	2.4	0.3	4.3	6.3	12.5	0.24	0.11	0.12	4.8
Min EPD	-5	-8.0	12	34	3	-7	-0.7	6	-18	-48	-0.92	-0.32	-0.30	31
Max EPD	22	7.1	71	129	42	11	1.9	21	38	87	1.76	0.57	0.58	66



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### PERCENTILE BREAKDOWN SIRE OF 2006-2008 BORN CALVES

Upper Percentile Group	Calving Ease Direct	Birth Weight	Weaning Weight	Yearling Weight	Milking Ability	Calving Ease Maternal	Scrotal Circum.	Stayability	Docility	Carcass Weight	Ribeye Area	Yield Grade	Marbling Score	\$MTI
1%	18	-3.4	62	112	34	11	1.3	25	35	55	0.98	-0.31	0.21	52
2%	17	-2.3	60	107	31	10	1.1	24	31	49	0.88	-0.28	0.16	51
3%	16	-1.8	58	104	30	10	1.0	24	30	45	0.84	-0.26	0.13	50
4%	15	-1.4	57	102	30	9	0.9	24	29	43	0.82	-0.24	0.11	49
5%	14	-1.2	56	100	29	9	0.9	23	28	41	0.80	-0.23	0.10	49
10%	12	-0.4	52	94	27	7	0.7	22	25	34	0.69	-0.20	0.06	47
20%	10	0.6	47	87	25	6	0.6	20	21	26	0.59	-0.16	0.02	45
30%	8	1.2	44	82	23	5	0.4	19	19	21	0.52	-0.13	-0.01	44
40%	7	1.7	42	78	22	4	0.3	18	16	18	0.45	-0.10	-0.03	43
50%	6	2.1	40	75	20	3	0.2	17	14	14	0.39	-0.08	-0.04	42
60%	5	2.6	38	71	19	2	0.2	16	12	12	0.33	-0.06	-0.06	41
70%	4	3.0	35	68	18	1	0.1	15	10	9	0.27	-0.03	-0.08	40
80%	3	3.5	33	64	16	0	0.0	13	7	5	0.21	0.01	-0.09	39
90%	2	4.2	29	58	14	-1	-0.2	12	2	0	0.13	0.06	-0.13	38

### PERCENTILE BREAKDOWN DAMS OF 2006-2008 BORN CALVES

Upper Percentile Group	Calving Ease Direct	Birth Weight	Weaning Weight	Yearling Weight	Milking Ability	Calving Ease Maternal	Scrotal Circum.	Stayability	Docility	Carcass Weight	Ribeye Area	Yield Grade	Marbling Score	\$MTI
1%	17	-2.4	57	102	35	11	1.0	25	30	42	0.88	-0.30	0.22	51
2%	15	-1.9	54	98	33	10	0.9	24	28	38	0.81	-0.27	0.17	49
3%	14	-1.5	53	95	32	9	0.8	23	27	35	0.78	-0.25	0.13	48
4%	14	-1.2	52	93	31	9	0.8	22	26	33	0.74	-0.24	0.11	48
5%	13	-1.0	51	92	30	8	0.7	22	25	32	0.71	-0.23	0.10	47
10%	11	-0.3	48	86	28	7	0.6	21	22	27	0.62	-0.20	0.05	46
20%	9	0.6	44	80	25	5	0.4	19	19	21	0.52	-0.16	0.01	44
30%	8	1.2	41	76	23	4	0.3	18	16	17	0.46	-0.14	-0.01	43
40%	7	1.7	39	72	21	4	0.2	17	14	13	0.39	-0.12	-0.03	42
50%	6	2.1	36	69	20	3	0.2	16	11	10	0.34	-0.09	-0.04	41
60%	5	2.5	34	65	18	2	0.1	15	9	7	0.29	-0.07	-0.05	40
70%	4	3.0	32	62	17	1	0.0	14	7	4	0.24	-0.05	-0.07	39
80%	3	3.5	29	57	15	0	-0.1	12	4	1	0.18	-0.01	-0.09	38
90%	2	4.2	25	51	12	-1	-0.2	11	0	-4	0.09	0.04	-0.11	37

### PERCENTILE BREAKDOWN 2006-2008 BORN CALVES

Upper Percentile Group	Calving Ease Direct	Birth Weight	Weaning Weight	Yearling Weight	Milking Ability	Calving Ease Maternal	Scrotal Circum.	Stayability	Docility	Carcass Weight	Ribeye Area	Yield Grade	Marbling Score	\$MTI
1%	18	-2.9	59	108	33	11	1.1	25	32	49	0.89	-0.26	0.35	55
2%	16	-2.3	57	105	31	10	1.0	24	30	44	0.82	-0.23	0.28	53
3%	15	-1.9	56	102	30	9	0.9	24	29	42	0.79	-0.22	0.24	52
4%	14	-1.7	55	100	30	9	0.9	23	28	40	0.76	-0.21	0.21	51
5%	14	-1.5	54	99	29	8	0.8	23	27	39	0.73	-0.20	0.19	51
10%	12	-0.7	51	94	27	7	0.7	21	24	34	0.66	-0.17	0.12	49
20%	10	0.2	47	87	25	5	0.6	20	21	29	0.56	-0.13	0.06	47
30%	9	0.9	45	83	23	5	0.5	18	19	25	0.49	-0.10	0.03	45
40%	8	1.3	42	79	22	4	0.4	18	17	21	0.43	-0.08	0.00	44
50%	7	1.8	40	76	21	3	0.3	17	15	18	0.37	-0.05	-0.02	43
60%	6	2.2	38	72	20	2	0.2	16	13	14	0.31	-0.02	-0.04	42
70%	5	2.6	36	69	18	2	0.2	15	11	11	0.25	0.01	-0.06	41
80%	4	3.1	33	65	17	1	0.1	14	8	7	0.17	0.05	-0.08	40
90%	3	3.7	30	60	15	0	-0.1	13	5	2	0.03	0.13	-0.10	39

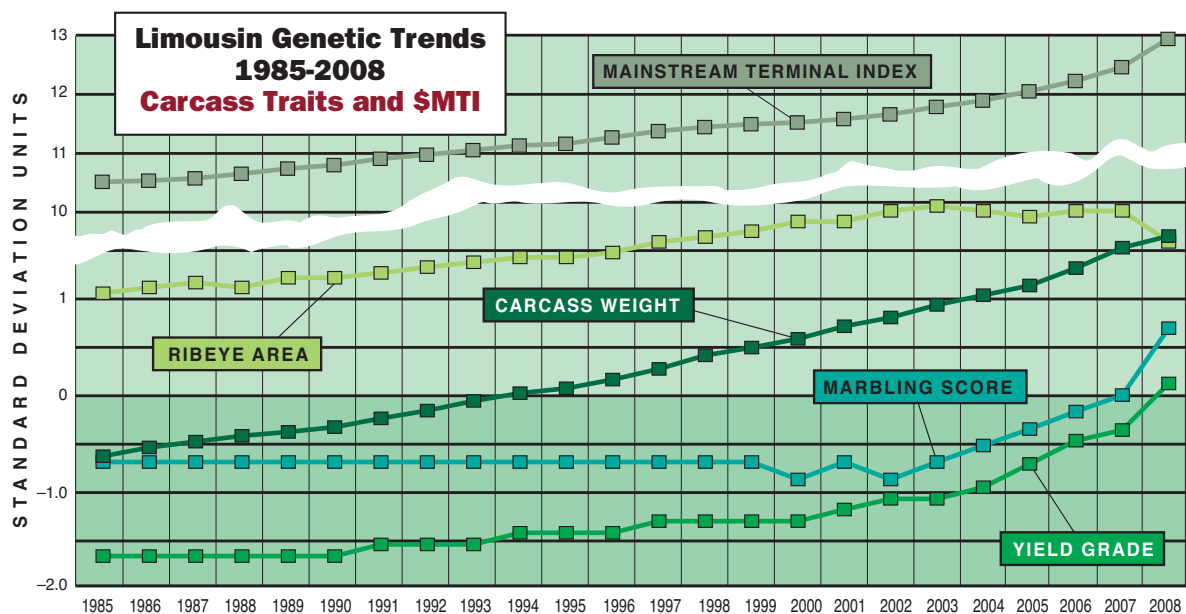
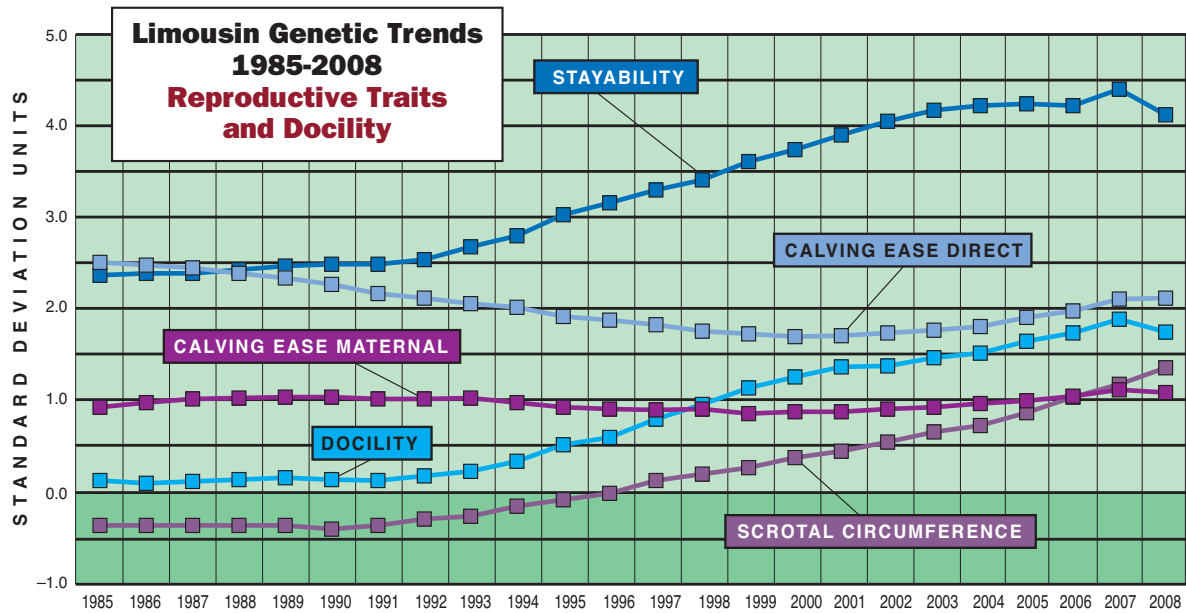
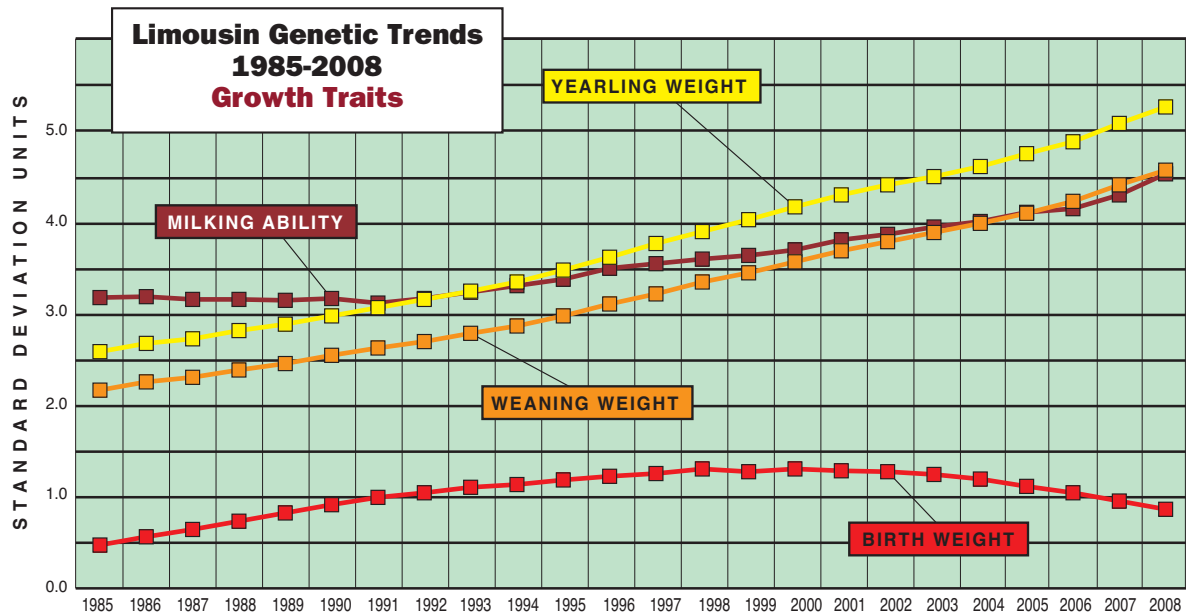
LIM-FLEX CALVES FOLLOW ON NEXT PAGE

### PERCENTILE BREAKDOWN 2006–2008 BORN LIM-FLEX CALVES

Upper Percentile Group	Calving Ease Direct	Birth Weight	Weaning Weight	Yearling Weight	Milking Ability	Calving Ease Maternal	Scrotal Circum.	Stayability	Docility	Carcass Weight	Ribeye Area	Yield Grade	Marbling Score	\$MTI
1%	15	-4.0	61	113	36	9	1.0	21	28	46	0.71	-0.14	0.44	59
2%	14	-3.4	59	110	34	8	0.9	21	25	42	0.58	-0.10	0.40	58
3%	14	-3.0	58	109	34	8	0.8	21	24	40	0.52	-0.08	0.39	57
4%	13	-2.8	57	107	33	7	0.8	21	23	39	0.48	-0.07	0.37	56
5%	13	-2.6	56	106	32	7	0.8	21	22	37	0.45	-0.06	0.36	56
10%	12	-1.9	53	101	31	5	0.7	21	20	33	0.35	-0.02	0.30	54
20%	10	-1.2	50	96	29	4	0.5	18	17	28	0.23	0.03	0.23	51
30%	9	-0.7	47	91	27	4	0.4	17	15	24	0.15	0.06	0.19	50
40%	8	-0.3	45	88	26	3	0.4	15	14	20	0.08	0.09	0.15	49
50%	8	0.0	43	84	24	2	0.3	14	12	17	0.03	0.12	0.12	47
60%	7	0.4	41	81	23	2	0.2	13	10	14	-0.02	0.15	0.10	46
70%	6	0.8	39	77	22	1	0.2	11	8	11	-0.08	0.18	0.07	45
80%	6	1.2	36	72	20	1	0.1	9	7	8	-0.14	0.22	0.04	44
90%	4	1.9	33	66	18	0	0.0	8	4	3	-0.22	0.27	0.01	42

### Limousin Genetic Trends – Average EPDs by Birth Year, 1985-2008

Year	Calving Ease Direct	Birth Weight	Weaning Weight	Yearling Weight	Milking Ability	Calving Ease Maternal	Scrotal Circum.	Stayability	Docility	Carcass Weight	Ribeye Area	Yield Grade	Marbling Score	\$MTI
1985	8.86	0.78	20.18	39.40	15.56	2.73	-0.10	9.26	1.09	-7.92	0.20	-0.14	-0.04	36.68
1986	8.73	0.94	20.99	40.72	15.64	2.87	-0.10	9.35	0.91	-6.75	0.21	-0.14	-0.04	36.76
1987	8.64	1.06	21.40	41.50	15.50	2.98	-0.10	9.37	1.02	-6.05	0.22	-0.14	-0.04	36.92
1988	8.42	1.21	22.20	42.88	15.46	3.01	-0.10	9.52	1.23	-5.21	0.21	-0.14	-0.04	37.18
1989	8.25	1.36	22.88	44.05	15.45	3.04	-0.10	9.66	1.38	-4.80	0.23	-0.14	-0.04	37.49
1990	7.99	1.52	23.65	45.35	15.52	3.05	-0.11	9.73	1.23	-4.16	0.23	-0.14	-0.04	37.71
1991	7.64	1.65	24.39	46.72	15.31	3.00	-0.10	9.73	1.14	-2.96	0.24	-0.13	-0.04	38.09
1992	7.46	1.73	25.12	48.04	15.51	2.99	-0.08	9.93	1.53	-2.07	0.25	-0.13	-0.04	38.33
1993	7.28	1.84	25.90	49.50	15.90	3.01	-0.07	10.48	1.89	-0.79	0.26	-0.13	-0.04	38.63
1994	7.13	1.89	26.69	51.06	16.20	2.88	-0.04	10.95	2.82	0.23	0.27	-0.12	-0.04	38.90
1995	6.78	1.96	27.67	53.04	16.58	2.73	-0.02	11.84	4.26	0.92	0.27	-0.12	-0.04	38.99
1996	6.63	2.04	28.86	55.18	17.14	2.68	0.00	12.35	4.91	2.06	0.28	-0.12	-0.04	39.38
1997	6.46	2.09	29.96	57.41	17.42	2.65	0.04	12.91	6.47	3.38	0.30	-0.11	-0.04	39.76
1998	6.21	2.16	31.16	59.49	17.64	2.66	0.06	13.34	7.79	5.20	0.31	-0.11	-0.04	40.01
1999	6.10	2.12	32.04	61.33	17.86	2.53	0.08	14.10	9.25	6.19	0.32	-0.11	-0.04	40.18
2000	5.99	2.16	33.23	63.48	18.15	2.57	0.11	14.63	10.19	7.25	0.34	-0.11	-0.05	40.29
2001	6.05	2.14	34.28	65.50	18.66	2.58	0.13	15.23	11.06	8.94	0.34	-0.10	-0.04	40.52
2002	6.13	2.12	35.27	67.15	18.97	2.68	0.16	15.82	11.20	10.06	0.36	-0.09	-0.05	40.77
2003	6.25	2.06	36.15	68.64	19.38	2.72	0.19	16.31	11.92	11.67	0.37	-0.09	-0.04	41.25
2004	6.40	1.98	37.10	70.33	19.66	2.84	0.21	16.48	12.28	12.87	0.36	-0.08	-0.03	41.63
2005	6.73	1.85	38.11	72.41	20.13	2.94	0.25	16.56	13.34	14.18	0.35	-0.06	-0.02	42.17
2006	6.99	1.74	39.30	74.43	20.37	3.08	0.30	16.51	14.03	16.47	0.36	-0.04	-0.01	42.83
2007	7.43	1.58	40.99	77.40	21.11	3.27	0.34	17.21	15.27	19.13	0.36	-0.03	0.00	43.66
2008	7.48	1.43	42.50	80.19	22.22	3.19	0.39	16.09	14.16	20.53	0.30	0.01	0.04	45.36



Standard Units = Mean EPD for each trait by year divided by the overall standard deviation of the EPDs for the trait.