

Spring 2010 EPD Statistics and Trends

SPRING 2010 EPD STATISTICS

CURRENT SIRES OF 2008-2010 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	2,869	2,878	2,878	2,878	2,888	2,869	2,790	1,252	2,451	2,438	2,438	2,438	2,438	2,438
Average EPD	7.1	1.9	41.9	78.5	20.2	2.9	0.3	17.2	14.5	16.2	0.43	-0.08	-0.04	42.4
Standard Deviation	4.4	2.0	9.5	15.2	5.6	3.9	0.4	4.2	8.7	15.9	0.25	0.12	0.10	4.5
Min EPD	-10	-8.7	-3	25	-8	-14	-1.3	-4	-24	-53	-0.62	-0.53	-0.32	25
Max EPD	30	10.4	96	140	42	19	1.8	32	45	77	1.45	0.48	0.67	66

CURRENT DAMS OF 2008-2010 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	27,774	27,969	27,969	27,969	28,063	27,774	26,882	15,052	21,928	21,367	21,367	21,367	21,367	21,365
Average EPD	6.9	2.0	38.4	72.3	20.0	3.0	0.2	16.5	12.6	11.3	0.38	-0.08	-0.04	41.5
Standard Deviation	4.1	1.8	8.8	14.0	6.3	3.4	0.3	3.9	8.4	13.8	0.25	0.13	0.10	4.2
Min EPD	-8	-7.2	-1	15	-12	-13	-0.8	-1	-27	-44	-1.22	-0.45	-0.38	28
Max EPD	27	9.5	86	131	63	16	1.6	29	42	98	1.36	0.80	0.89	72

2008-2010 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	38,556	39,327	39,326	39,326	39,783	38,556	33,523	1,611	23,135	27,611	27,611	27,611	27,611	27,547
Average EPD	7.7	1.5	42.7	80.2	21.4	3.3	0.4	17.3	15.3	20.0	0.37	-0.02	0.01	44.4
Standard Deviation	3.9	1.9	8.4	13.5	5.1	3.0	0.3	3.7	7.8	13.3	0.30	0.16	0.14	5.2
Min EPD	-9	-8.1	-1	23	-8	-10	-1.0	5	-26	-51	-1.06	-0.40	-0.29	27
Max EPD	26	9.8	91	134	45	17	1.9	28	40	83	1.24	0.70	0.84	73

2008-2010 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	7,118	7,417	7,417	7,417	7,496	7,118	4,961	52	3,961	6,716	6,716	6,716	6,716	6,675
Average EPD	7.8	0.1	45.4	87.5	24.9	1.9	0.3	15.6	12.0	20.9	0.01	0.19	0.19	49.6
Standard Deviation	3.0	1.7	8.2	13.0	5.1	2.3	0.3	4.2	6.8	13.5	0.25	0.15	0.16	5.9
Min EPD	-6	-6.4	16	44	1	-8	-0.6	7	-17	-47	-0.90	-0.24	-0.25	33
Max EPD	24	6.9	78	134	43	12	1.3	24	33	83	0.79	0.70	0.84	73



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PERCENTILE BREAKDOWN CURRENT SIRES OF 2008–2010 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%	20	-3.8	66	117	35	12	1.3	26	35	58	1.02	-0.32	0.36	57
2%	18	-2.6	63	112	33	11	1.1	25	33	53	0.94	-0.28	0.21	53
3%	16	-2.2	61	109	31	10	1.0	24	31	49	0.90	-0.26	0.16	52
4%	16	-1.8	59	106	30	10	1.0	24	30	46	0.86	-0.25	0.13	50
5%	15	-1.5	58	104	30	9	0.9	24	29	45	0.83	-0.24	0.12	50
10%	13	-0.5	54	98	27	8	0.8	22	25	37	0.75	-0.21	0.08	48
20%	11	0.5	49	91	25	6	0.6	21	21	30	0.64	-0.17	0.03	46
30%	9	1.1	46	85	23	5	0.5	20	19	24	0.57	-0.14	-0.02	44
40%	8	1.6	44	81	21	4	0.4	19	17	18	0.50	-0.12	-0.04	43
50%	7	2.1	42	77	20	3	0.3	18	15	15	0.43	-0.10	-0.06	42
60%	6	2.5	40	74	19	2	0.2	17	13	11	0.37	-0.07	-0.08	41
70%	5	2.9	37	71	18	1	0.1	15	10	8	0.31	-0.03	-0.10	40
80%	4	3.4	34	67	16	0	0.0	14	8	4	0.24	0.01	-0.12	39
90%	2	4.2	30	60	14	-2	-0.1	12	4	-3	0.14	0.08	-0.16	37

PERCENTILE BREAKDOWN CURRENT DAMS OF 2008–2010 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	-2.6	59	106	36	11	1.0	25	31	45	0.92	-0.30	0.38	55
2%	16	-2.0	56	102	34	10	0.9	24	29	41	0.85	-0.28	0.26	52
3%	15	-1.7	55	100	32	10	0.9	24	28	38	0.81	-0.26	0.20	50
4%	15	-1.4	54	98	31	9	0.8	23	27	36	0.78	-0.25	0.16	49
5%	14	-1.2	53	96	31	9	0.8	23	26	35	0.76	-0.24	0.13	49
10%	12	-0.4	50	91	28	7	0.7	21	23	29	0.67	-0.21	0.06	47
20%	10	0.5	46	84	25	6	0.5	20	20	23	0.58	-0.17	0.01	44
30%	9	1.1	43	79	23	5	0.4	19	17	18	0.51	-0.15	-0.02	43
40%	8	1.6	41	76	21	4	0.3	18	15	14	0.44	-0.13	-0.04	42
50%	7	2.1	38	72	20	3	0.2	17	13	11	0.38	-0.11	-0.06	41
60%	6	2.5	36	69	18	2	0.1	16	11	7	0.33	-0.08	-0.07	40
70%	5	3.0	34	65	17	1	0.0	14	8	4	0.27	-0.05	-0.09	39
80%	4	3.5	31	61	15	0	0.0	13	6	0	0.20	-0.01	-0.11	38
90%	2	4.2	27	55	12	-1	-0.2	11	2	-6	0.09	0.07	-0.14	37

PERCENTILE BREAKDOWN 2008–2010 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%	19	-3.3	63	113	34	11	1.1	26	33	52	0.89	-0.25	0.50	61
2%	17	-2.6	61	109	33	10	1.0	25	31	48	0.84	-0.23	0.42	59
3%	16	-2.3	59	107	32	9	0.9	24	30	45	0.81	-0.22	0.39	57
4%	15	-2.0	58	105	31	9	0.9	24	29	43	0.79	-0.21	0.35	55
5%	15	-1.8	57	103	30	9	0.9	23	28	42	0.77	-0.20	0.32	54
10%	13	-1.0	54	98	28	7	0.8	22	26	37	0.71	-0.18	0.22	51
20%	11	-0.1	50	92	26	6	0.6	21	22	31	0.62	-0.14	0.09	48
30%	9	0.6	47	87	24	5	0.5	20	19	27	0.55	-0.11	0.04	46
40%	8	1.2	45	83	23	4	0.4	18	17	23	0.49	-0.09	0.00	45
50%	7	1.6	42	80	21	3	0.4	17	15	20	0.42	-0.06	-0.02	44
60%	6	2.1	41	76	20	2	0.3	16	13	16	0.36	-0.02	-0.05	43
70%	6	2.5	38	73	19	2	0.2	15	11	13	0.27	0.02	-0.07	42
80%	5	3.0	36	69	17	1	0.1	14	9	9	0.13	0.10	-0.09	40
90%	3	3.8	32	64	15	0	0.0	13	6	3	-0.06	0.22	-0.12	39

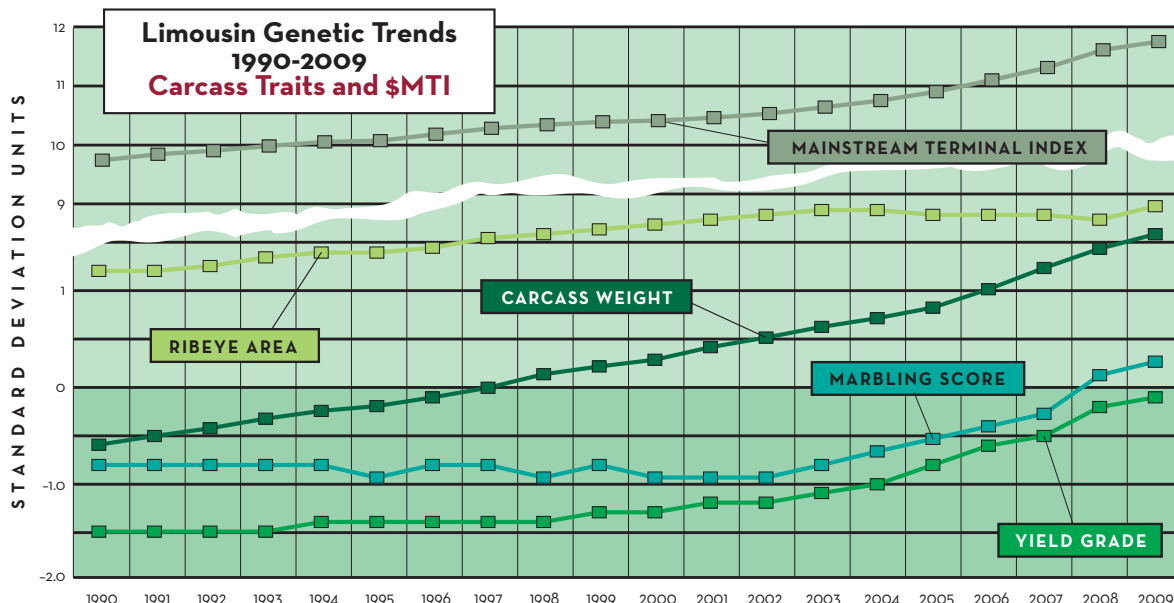
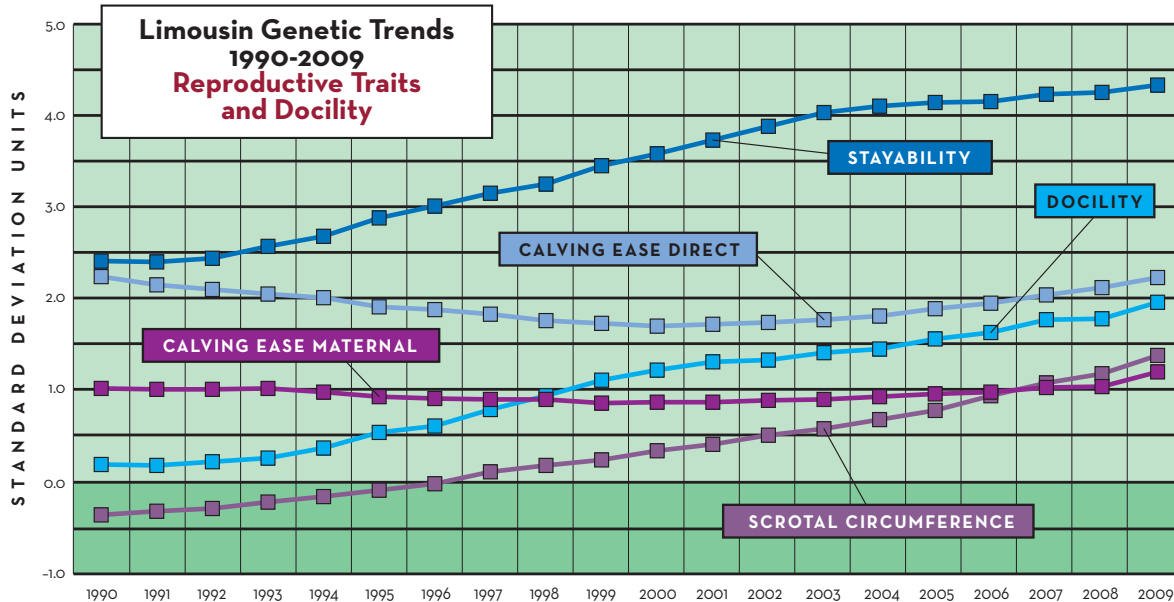
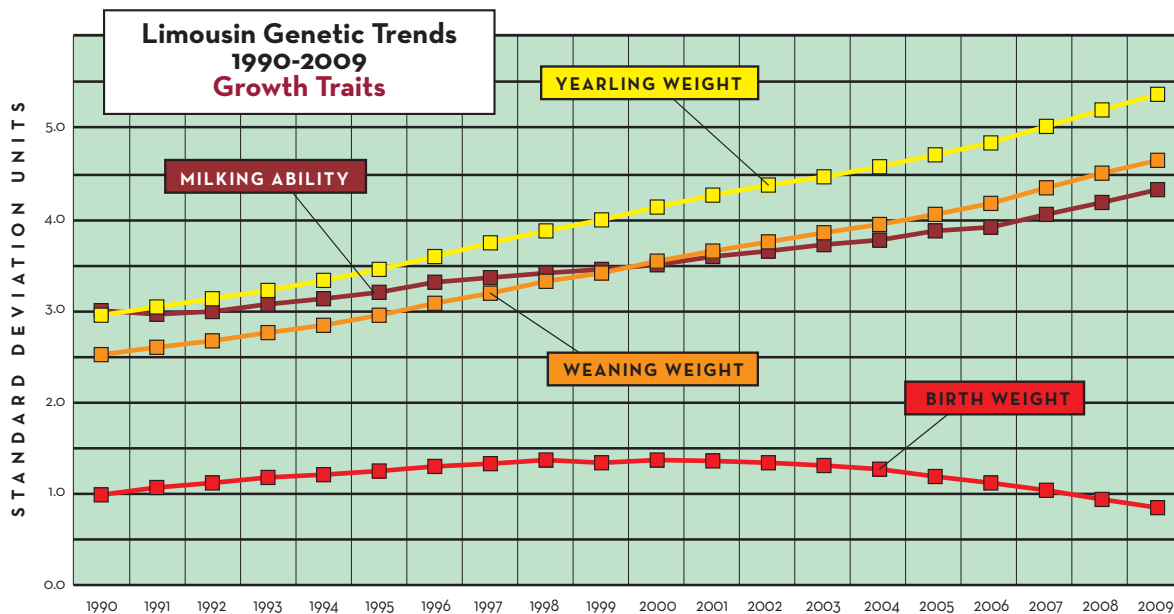
LIM-FLEX CALVES FOLLOW ON NEXT PAGE

PERCENTILE BREAKDOWN 2008–2010 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	-3.9	66	119	37	8	0.9	24	28	56	0.59	-0.13	0.60	64
2%	14	-3.4	63	115	36	7	0.9	24	26	52	0.51	-0.10	0.55	62
3%	14	-3.0	62	112	35	6	0.8	23	25	50	0.48	-0.07	0.53	62
4%	13	-2.8	60	111	34	6	0.8	23	25	47	0.45	-0.06	0.50	61
5%	13	-2.6	59	110	33	6	0.8	22	24	46	0.42	-0.04	0.47	60
10%	12	-2.0	56	105	31	5	0.7	22	21	39	0.34	0.00	0.40	58
20%	10	-1.2	52	99	29	4	0.5	19	18	32	0.21	0.07	0.32	54
30%	9	-0.7	50	94	28	3	0.5	18	15	27	0.13	0.11	0.26	52
40%	8	-0.2	47	91	26	2	0.4	17	13	23	0.07	0.15	0.22	51
50%	8	0.2	45	87	25	2	0.3	16	11	20	0.00	0.18	0.18	49
60%	7	0.6	43	84	24	1	0.3	15	10	17	-0.06	0.22	0.14	48
70%	6	1.0	41	80	22	1	0.2	14	8	14	-0.12	0.26	0.10	46
80%	5	1.5	39	77	21	0	0.1	11	7	10	-0.19	0.32	0.05	44
90%	4	2.2	35	71	19	-1	0.0	10	4	5	-0.29	0.39	-0.02	42

Limousin Genetic Trends – Average EPDs by Birth Year, 1990-2010

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
1990	7.96	1.65	23.56	45.04	15.16	3.02	-0.11	9.74	1.50	-7.92	0.25	-0.15	-0.06	37.11
1991	7.63	1.78	24.31	46.40	14.95	3.00	-0.10	9.71	1.38	-6.63	0.25	-0.15	-0.06	37.49
1992	7.47	1.87	25.05	47.73	15.14	3.00	-0.09	9.89	1.74	-5.65	0.26	-0.15	-0.06	37.71
1993	7.30	1.97	25.83	49.20	15.53	3.03	-0.07	10.41	2.07	-4.27	0.28	-0.15	-0.06	38.01
1994	7.15	2.02	26.63	50.77	15.82	2.90	-0.05	10.85	2.97	-3.16	0.29	-0.14	-0.06	38.27
1995	6.80	2.09	27.63	52.75	16.18	2.75	-0.03	11.69	4.38	-2.48	0.29	-0.14	-0.07	38.36
1996	6.66	2.18	28.82	54.87	16.74	2.70	-0.01	12.20	4.98	-1.28	0.30	-0.14	-0.06	38.75
1997	6.49	2.22	29.92	57.07	17.01	2.66	0.03	12.75	6.47	-0.04	0.32	-0.14	-0.06	39.14
1998	6.24	2.29	31.11	59.13	17.23	2.68	0.05	13.18	7.78	1.86	0.33	-0.14	-0.07	39.37
1999	6.13	2.25	31.99	60.96	17.43	2.54	0.07	14.00	9.15	2.88	0.34	-0.13	-0.06	39.55
2000	6.04	2.30	33.16	63.07	17.70	2.57	0.10	14.50	10.04	3.91	0.35	-0.13	-0.07	39.63
2001	6.11	2.27	34.20	65.05	18.16	2.57	0.12	15.11	10.85	5.59	0.36	-0.12	-0.07	39.84
2002	6.18	2.25	35.19	66.70	18.44	2.63	0.15	15.75	11.02	6.89	0.37	-0.12	-0.07	40.09
2003	6.29	2.20	36.06	68.16	18.82	2.68	0.17	16.33	11.64	8.37	0.38	-0.11	-0.06	40.53
2004	6.41	2.12	36.99	69.82	19.09	2.75	0.20	16.62	11.99	9.63	0.38	-0.10	-0.05	40.93
2005	6.72	1.99	38.00	71.84	19.58	2.84	0.23	16.79	12.90	11.08	0.37	-0.08	-0.04	41.51
2006	6.93	1.87	39.13	73.81	19.78	2.92	0.28	16.85	13.52	13.59	0.37	-0.06	-0.03	42.28
2007	7.25	1.73	40.69	76.60	20.49	3.06	0.32	17.18	14.69	16.56	0.37	-0.05	-0.02	43.05
2008	7.52	1.56	42.20	79.30	21.17	3.10	0.35	17.23	14.71	19.26	0.36	-0.02	0.01	44.22
2009	7.92	1.42	43.54	81.87	21.88	3.58	0.41	17.55	16.24	21.32	0.39	-0.01	0.02	44.75



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