

# Simplot First Year Results Released



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In spring 2011, the American Hereford Association (AHA) entered into a research project with Simplot Livestock Co., Grand View, Idaho. The goal of the project is to document the long-term value of Hereford genetics utilized in the commercial cow herd with an emphasis on calving ease (CE), moderate milk and moderate mature size with as much carcass trait emphasis as possible.

For more about the Simplot project, see the cover story in the October 2012 *Hereford World* or visit [Hereford.org/simplot](http://Hereford.org/simplot).

In the first year of the project, Hereford bulls were bred to heifers that were

predominately an Angus cross. This was a total artificial insemination (AI) program, so high-accuracy CE Hereford bulls were selected and used along with high-accuracy Angus sires for comparison.

Even though the long-term goal of the project is to measure the maternal effect, Simplot has collected CE, birth weight, weaning weight, feedlot and carcass performance data. In addition, feed intake information was collected on a portion of the steer progeny.

All of the data will be used in the National Cattle Evaluation (NCE), and DNA has been collected on all

of the steer progeny and is part of the collaborated research between the AHA and the U.S. Department of Agriculture (USDA) on feed efficiency. All of the progeny were DNA sire identified.

Currently, the second set of calves is on the ground, and in the third year, the project has expanded beyond a heifer project into utilizing some of the cows at Simplot.

Below are results of the first year's test. This project has been funded by breeder support and the Hereford Research Foundation along with Simplot Livestock Co. **HW**

**Table 1: 2012-born calves at Simplot**

Sire name	Registration number	BW ratio	Avg. calf vigor	Avg. CE	WW ratio	F/G	HCW ratio	MARB ratio	REA ratio
/S 3027 Domino 8502U	42907988	106.00	1.00	1.19	104.00	5.33	101.00	90.00	96.00
BAR JZ Traditions Legend 463S	42693193	107.00	1.00	1.08	104.00	5.23	101.00	101.00	98.00
HUTH P093 Progressive U001	42914977	102.00	1.00	1.12	94.00	5.40	99.00	99.00	105.00
HUTH R002 Puckerator W002	43022870	106.00	1.05	1.24	107.00	5.30	95.00	101.00	103.00
KCF Bennett 9126J S100	42681148	102.00	1.00	1.07	106.00	5.60	100.00	92.00	102.00
TH 122 71I Victor 719T	42800895	95.00	1.13	1.25	104.00	5.06	101.00	112.00	99.00
TH 49U 719T Sheyenne 3X	43101191	98.00	1.00	1.18	99.00	5.31	106.00	112.00	107.00
UPS Domino 3027	42426386	97.00	1.11	1.04	108.00	5.18	101.00	102.00	100.00
Angus		99.00	1.02	1.05	98.00	5.34	98.00	103.00	99.00

**Table 2: EPDs of bulls used at Simplot**

Sire name	CE EPD	CE ACC	BW EPD	BW ACC	WW EPD	WW ACC	YW EPD	YW ACC	MM EPD	MM ACC	MG EPD	MCE EPD	MCE ACC	MCW EPD	MCW ACC	SC EPD	SC ACC	FAT EPD	FAT ACC	REA EPD	REA ACC	MARB EPD	MARB ACC	BMI	CEZ	BII	CHB
/S 3027 Domino 8502U	8.4	0.34	-1.8	0.69	42	0.61	72	0.60	38	0.27	59	5.2	0.29	41	0.47	1.4	0.43	-0.013	0.36	0.39	0.38	0.20	0.34	25	24	21	26
BAR JZ Traditions Legend 463S	7.1	0.43	0.0	0.75	44	0.63	70	0.62	17	0.31	39	1.9	0.35	37	0.47	0.4	0.38	0.089	0.35	0.03	0.37	0.33	0.34	18	20	14	22
HUTH P093 Progressive U001	11.9	0.34	-3.8	0.76	36	0.67	62	0.68	24	0.24	42	3.2	0.29	5	0.44	1.9	0.42	0.033	0.47	-0.10	0.48	0.57	0.49	36	29	33	28
HUTH R002 Puckerator W002	4.1	0.31	3.5	0.72	65	0.63	105	0.64	17	0.23	50	0.8	0.27	160	0.44	0.8	0.46	0.009	0.45	0.02	0.45	0.29	0.41	21	17	15	35
KCF Bennett 9126J S100	8.4	0.35	-1.6	0.66	42	0.60	83	0.57	40	0.26	61	4.0	0.31	90	0.44	1.7	0.40	0.030	0.40	-0.11	0.41	0.37	0.36	26	24	21	27
TH 122 71I Victor 719T	9.7	0.63	0.1	0.91	65	0.87	89	0.86	23	0.48	55	-0.5	0.48	109	0.60	1.4	0.69	-0.005	0.59	0.58	0.60	-0.14	0.57	25	23	20	29
TH 49U 719T Sheyenne 3X	11.6	0.32	-5.1	0.62	52	0.50	73	0.49	25	0.19	51	1.8	0.26	84	0.38	1.0	0.21	0.021	0.29	0.47	0.30	-0.10	0.25	21	25	16	23
UPS Domino 3027	11.3	0.66	-1.5	0.93	47	0.90	77	0.90	36	0.79	60	5.2	0.56	60	0.81	1.1	0.82	0.011	0.73	0.44	0.74	0.33	0.74	25	26	19	31