

Simplot Data Release



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In 2011 the American Hereford Association (AHA) and Simplot Livestock Co. partnered on a research project to document the benefits of using calving-ease Hereford sires in a large-scale predominately Angus heifer program.

Calving ease and calf vigor are two significant traits in the cattle industry. A live calf that is born unassisted and gets up and nurses right away is important in any calving environment but is critical in a heifer program.

In Table 1 you will find the results of the 2013-born calves. This project was initially designed to use

Hereford sires on virgin heifers, but it has extended into some cows as well. The calves were all DNA sire identified, and data were collected by the Simplot cowboys and feedlot staff at all levels of production including feed intake. A few things to recognize with this data:

- 1) All of the data will be used in the Pan-American Cattle Evaluation (PACE) even though the females were crossbred because there is a minimum of 70 straws of semen used on each sire and the females are randomly mated.
- 2) A high-accuracy Angus sire is used along with the Hereford sires for comparison.
- 3) Enhancer has been a heavily used Hereford bull for years at Simplot, so the number of calves sired by him are far greater than other sires; thus, some of the ratios may look a little out of balance because of the number of progeny from each sire.
- 4) The Angus-sired calves were not fed in the GrowSafe system for individual feed intake.
- 5) All of the data reported are raw with

Table 1: 2013-born calves at Simplot

Sire name	Registration number	BW ratio	Avg. CE	Calf vigor	WW ratio	YW ratio	MB ratio	REA ratio	Avg. YG	Avg. F/G	Avg. RFI
/S Bulls Eye 0652	43095040	100	1.00	1.00	95	98	107	102	3.52	4.62	0.12
UPS Domino 3027	42426386	102	1.00	1.00	115	100	103	105	3.35	4.33	0.05
H5 408 Domino 7100	42801050	109	1.00	1.00	98	100	74	75	2.78	4.69	-0.18
NJW 98S Durango 44U	42892264	104	1.00	1.00	101	90	80	105	3.31	4.84	-0.30
Huth Enhancer 2D	23801448	100	1.05	1.04	98	104	99	98	3.58	4.87	0.24
Jet Mr L513	42602896	96	1.00	1.00	92	89	95	109	3.41	4.42	-0.30
NJW 98S R117 Ribeye 88X	43094146	97	1.00	1.00	100	97	109	100	3.51	4.78	-0.05
Huth Signature X083	43120819	96	1.00	1.00	99	92	123	93	3.62	5.12	0.62
SHF Vision R117 U38	42894861	97	1.00	1.00	96	89	100	108	3.43	4.32	-0.37
N Bar Prime Time D806	AAA 12557724	96	1.00	1.15	104	94	110	105	3.98		

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 BULLS EYE 0652	6.6	0.33	-0.5	0.66	53	0.55	82	0.55	31	0.23	57	7.3	0.29	44	0.42	1.4	0.45	0.046	0.38	0.37	0.38	0.17	0.35	25	23	20	26
UPS DOMINO 3027	11.4	0.68	-1.2	0.93	47	0.91	77	0.91	36	0.82	60	7.0	0.60	60	0.83	1.1	0.84	0.011	0.77	0.40	0.78	0.30	0.77	25	27	18	30
H5 408 DOMINO 7100	7.4	0.48	-0.6	0.84	55	0.78	80	0.79	42	0.46	70	4.3	0.38	44	0.53	1.9	0.6	0.148	0.58	0.20	0.58	0.04	0.56	23	23	18	18
NJW 98S DURANGO 44U	8.0	0.54	0.3	0.89	56	0.84	90	0.83	31	0.41	59	5.6	0.41	95	0.59	1.0	0.68	-0.023	0.56	0.43	0.56	-0.06	0.52	20	22	14	28
HUTH ENHANCER 2D	6.1	0.62	-0.6	0.89	36	0.85	55	0.84	20	0.81	38	-2.2	0.61	36	0.73	0.7	0.63	0.043	0.59	-0.15	0.62	0.19	0.55	17	19	16	17
JET MR L513	4.1	0.37	-0.3	0.75	39	0.69	65	0.70	23	0.48	42	0.1	0.31	31	0.57	1.5	0.51	0.000	0.47	0.45	0.48	0.14	0.43	26	20	25	22
NJW 98S R117 RIBEYE 88X ET	4.2	0.42	1.4	0.84	61	0.73	87	0.73	30	0.25	61	6.7	0.33	102	0.43	0.9	0.54	-0.035	0.49	0.36	0.49	0.21	0.47	22	20	16	34
HUTH SIGNATURE X083	5.8	0.29	-1.5	0.61	45	0.51	80	0.54	25	0.19	48	3.2	0.25	90	0.41	2.2	0.41	0.014	0.40	0.22	0.41	0.37	0.37	34	24	32	29
SHF VISION R117 U38	4.9	0.46	0.6	0.85	52	0.80	64	0.81	19	0.51	45	5.2	0.36	65	0.63	1.2	0.71	-0.038	0.65	0.58	0.66	0.32	0.67	31	22	27	33

no dam or age adjustments. These adjustments will be made in the evaluation.

This project is starting its fourth year. There are 2014-born calves on the ground, and heifers and cows were bred in the spring of 2014. There are several goals with the project including the identification of Hereford sires that Simplot can utilize long-term in its program.

Genomic test sale lots early

Next, I would like to remind breeders to plan ahead for the sale season. If you plan to genotype animals and to provide genomic-enhanced expected progeny differences (GE-EPDs) in your sale catalogs, be sure to collect and to submit DNA in plenty of time.

Table 3 depicts the number of requests for DNA by month. As you will notice, the big months are the ones just before bull sales, and this

demand is consistent across breeds. Therefore, realize the lab may again get swamped with samples and there may be a longer period required to

receive results, so it might be good to get ahead of the testing by doing as many as possible earlier in the year. **HW**

Table 3: GE-EPD requests by month (June 2012 through November 2013)

