



Olsen NRSP Results Announced

The American Hereford Association (AHA) National Reference Sire Program (NRSP) continues to be one of the greatest assets breeders have to test and evaluate young sires.

Table 1 shows the final report from Olsen Ranch on the 2010-born calves. Some things that need to be mentioned about this data:

1) There is a separation of sires because U001 and 2U were used exclusively on heifers and 4203 was used in both the heifer and cow program. So, the progeny from these bulls were fed in a different 70-day feed intake trial, and, thus, there are some differences in feed-to-gain (F/G). You will notice that average is different from the larger group. However, the cattle were all slaughtered on the same day, so we used the same averages for carcass traits. Obviously, this will be accounted for in the genetic analysis.

2) The 54U bull was used at both Olsen Ranch and Stahly Ranch. His dual use will allow us to link these two test herds. The final performance of 54U at Stahly Ranch was printed in the November 2011 *Hereford World* on Page 6.

Valuable data

The NRSP data is so important to identify young sires that will make a difference in the breed, but this information is also important for other reasons.

We collect DNA on all NRSP progeny, and this DNA is being used in the U.S. Department of Agriculture (USDA)-funded National Program for Genetic Improvement of Feed Efficiency in Beef Cattle Project (*BeefEfficiency.org*) that is looking at genes that might affect feed efficiency.

In addition, we are using this data to work on a genetic analysis for feed efficiency. We also will genotype the sires used in this test to continue to discover and validate genetic markers for all measurable traits for the Hereford specific panel.

This has been another interesting test. Most all of these bulls are artificial

insemination (AI) permitted, and you should study them as you make some spring breeding decisions.

The entire set of steers graded 81%

Choice, and you will notice an excellent average F/G. Basically, this was another very strong set of cattle that performed well at all stages of production.

If you would like to test cattle in the GrowSafe system at Olsen Ranch, please contact Art or Douglas Olsen at 308-641-1273 or 308-673-5597. **HW**

Table 1: 2010-born steer calves at Olsen Ranch

Reg #	Sire name	HCW	Ratio	Marb	Ratio	REA	Ratio	BFAT	Ratio	CYG	Ratio	Crx Count	% Choice	70-day DM F/G	BW Ratio	WW Ratio	YW Ratio
42653939	BRP R5 of P26 5N ET	908	102	470	102	13.5	99	0.57	96	3.6	100	19	90	5.42	103	100	101
42965733	C&L Salute 966R 1U	942	105	412	90	13.8	102	0.68	113	3.9	108	11	64	5.29	102	103	104
42884873	Whitehawk 157K Beefmaker 896U	912	102	470	102	13.9	102	0.59	98	3.5	98	24	75	5.29	101	106	104
42394633	DS 1045 Advance 3575N	949	106	493	107	14.1	104	0.68	114	3.7	105	8	100	5.08	99	101	101
42910051	H5 408 Domino 8252 1ET	906	101	424	92	13.4	99	0.66	110	3.8	107	21	76	5.06	106	100	99
42531422	CSU Ram Dominator 4203	866	97	455	99	13.1	97	0.57	95	3.5	99	52	83	5.15	98	97	97
42703677	Jet Mr X624	912	102	510	111	13.5	99	0.61	102	3.7	104	23	96	5.38	104	102	101
41149734	DS Beef 9059	926	104	450	98	14.1	104	0.54	90	3.4	95	11	73	4.99	101	100	99
43064935	Koanui Rocket 0219	924	103	424	92	13.6	100	0.58	98	3.6	102	19	63	5.25	99	103	103
42906070	R 157K North Star 54U	920	103	444	98	13.8	102	0.64	107	3.7	104	19	90	5.33	98	102	101
42894861	SHF Vision R117 U38	871	98	457	100	13.9	103	0.57	95	3.2	92	31	77	5.17	95	102	97
42817055	Sparks Trend 2007	967	108	434	95	13.9	102	0.64	107	3.8	108	19	63	5.26	103	107	105
	Average	894	-	459	-	13.5	-	0.60	-	3.6	-	-	-	5.23	-	-	-

Bulls used on heifers

42914977	Huth P093 Progressive U001	826	92	501	109	13.4	99	0.59	98	3.3	94	24	92	6.41	93	98	86
42892522	Sparks Domino 2U	828	93	467	102	13.2	98	0.61	101	3.4	96	21	91	5.82	100	92	87
42531422	CSU Ram Dominator 4203	866	97	455	99	13.1	97	0.57	95	3.5	99	52	83	5.98	98	97	97
	Average	894	-	459	-	13.5	-	0.60	-	3.6	-	-	-	6.11	-	-	-

Table 2: EPDs for 2010 NRSP bulls tested at Olsen Ranch

Sire name	CE EPD	CE Acc	BW EPD	BW Acc	WW EPD	WW Acc	YW EPD	YW Acc	MM EPD	MM Acc	M&G 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 \$
BRP R5 of P26 5N ET	3.9	0.23	3.3	0.80	51	0.70	96	0.72	17	0.27	42	4.4	0.20	110	0.31	1.9	0.38	-0.003	0.56	0.31	0.56	0.39	0.62	33	22	30	33
C&L Salute 966R 1U	2.3	0.13	1.4	0.59	52	0.33	78	0.34	30	0.15	56	-0.2	0.11	94	0.09	1.0	0.12	0.017	0.19	0.21	0.19	0.03	0.18	17	15	14	22
Whitehawk 157K Beefmaker 896U	4.5	0.20	2.3	0.66	52	0.48	85	0.45	34	0.21	60	3.5	0.18	99	0.09	1.5	0.31	-0.009	0.30	0.32	0.31	0.51	0.28	28	21	24	36
DS 1045 Advance 3575N	0.4	0.08	3.0	0.73	40	0.64	79	0.67	11	0.18	31	1.3	0.08	101	0.04	0.6	0.16	0.064	0.54	0.64	0.5	0.81	0.62	25	16	23	33
H5 408 Domino 8252 1ET	0.1	0.19	5.3	0.70	57	0.53	89	0.55	30	0.23	59	-0.4	0.17	97	0.18	0.8	0.49	0.056	0.42	0.34	0.41	0.20	0.39	15	13	12	26
CSU Ram Dominator 4203	3.2	0.33	-0.3	0.88	35	0.82	58	0.83	5	0.53	23	2.0	0.26	42	0.23	1.2	0.48	-0.031	0.73	0.12	0.73	0.22	0.79	28	20	28	22
Jet Mr X624	3.9	0.12	3.3	0.69	58	0.50	95	0.51	24	0.18	53	2.2	0.10	101	0.10	1.0	0.35	0.025	0.31	0.34	0.32	0.35	0.29	22	18	18	33
DS Beef 9059	3.1	0.35	2.0	0.89	41	0.85	69	0.86	12	0.74	33	0.9	0.33	71	0.26	0.9	0.63	-0.049	0.75	0.80	0.77	0.16	0.8	25	19	23	27
Koanui Rocket 0219	2.1	0.04	0.1	0.68	36	0.38	56	0.37	9	0.03	27	0.8	0.02	-	-	0.0	0.13	0.028	0.16	0.03	0.17	0.09	0.14	12	15	11	15
R 157K North Star 54U	6.5	0.17	1.6	0.70	47	0.57	70	0.59	31	0.22	54	2.8	0.15	64	0.05	1.0	0.37	-0.007	0.34	0.58	0.36	0.02	0.32	20	21	17	24
SHF Vision R117 U38	4.4	0.23	-0.5	0.76	53	0.62	68	0.63	22	0.17	49	4.5	0.16	64	0.13	1.2	0.50	-0.032	0.45	0.37	0.45	0.45	0.42	30	21	26	35
Sparks Trend 2007	4.6	0.20	2.5	0.75	59	0.58	91	0.56	21	0.17	50	0.5	0.13	91	0.06	0.7	0.31	0.007	0.37	0.28	0.37	0.22	0.34	19	17	15	31

Bulls used on heifers

Huth P093 Progressive U001	9.3	0.15	-3.5	0.66	42	0.42	58	0.43	26	0.18	47	2.3	0.13	34	0.14	1.6	0.33	0.016	0.29	0.09	0.29	0.30	0.27	30	26	28	25
Sparks Domino 2U	6.9	0.14	0.1	0.63	52	0.38	74	0.39	27	0.19	53	2.2	0.12	86	0.18	1.2	0.19	0.023	0.25	0.34	0.25	0.31	0.23	26	22	22	30
CSU Ram Dominator 4203	3.2	0.33	-0.3	0.88	35	0.82	58	0.83	5	0.53	23	2.0	0.26	42	0.23	1.2	0.48	-0.031	0.73	0.12	0.73	0.22	0.79	28	20	28	22

American Hereford Association National Reference Sire Program

Responsibilities of Test Herd:

- Select from nominated bulls
- Contact bull owner for semen shipping instructions
- Breed 55-60 cows at a random mating across genotypes
- Breed 30 cows to one reference sire that has been tested in previous years (at the cost of the test herd, semen and shipping at a commercial rate)
- Provide complete data on National Reference Sire Program (NRSP) forms
- Breeding data: Cow ID, specific breed makeup (based on percent), age of cow at breeding time, date bred and sire used
- Birth data: Calf ID, date of birth, weight and calving ease score
- Weaning data: Calf ID, date weaned and weight
- Interim data: Calf ID, date, weight
- Carcass data: Calf ID, carcass weight, marbling score, fat thickness, ribeye area, internal fat and yield grade
- Test herd must provide at least 55% conception rate
- Test herd must retain ownership or partnership at 50% or greater on cattle until they have been harvested

Test Herd Cost:

- All costs will be covered by test herd
- Test herd will pay for the reference sire semen for the 30 cows, and shipping semen will be priced at a commercial rate, data collection will be paid by test herd on all cattle

Responsibilities of Bull Owner:

- Nominate bulls for test sire
- Nominate bulls to American Hereford Association (AHA) by **March 1, 2012**
- Furnish 60 straws of semen and pay shipping cost to test herds
- Pay fees as required

Bull Owner Cost:

- Semen and shipment of semen
- Pay the test herd fee per bull tested when semen is shipped — contact Jack Ward for details

Responsibilities of AHA:

- Receive data and report all data back to bull owner and to test herd

AHA Cost:

There will be no cost to the test herd or the bull owner for the data reporting done by the AHA

Benefits of Test Sires:

- Obtaining high accuracy carcass EPDs (expected progeny differences)
- Obtaining performance data compared to other sires tested in herd contemporaries
- Opportunity to market semen as a NRSP reference sire, after nominated and selected
- Opportunity to test sires next to the top Hereford genetics in the breed

For an application go to Hereford.org/NRSP or contact AHA at 816-842-3757