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Olsen NRSP Data Released

Below are the results of the National Reference Sire Program (NRSP) from the 2011-born calves at Olsen Ranch, Harrisburg, Neb. This group was another impressive set of calves.

The entire pen of calves — 424 head — graded 88% Choice or Prime and the artificial insemination (AI)-sired calves from the young sires graded 89.5% Choice or Prime. You will notice from the data that they did this with an average feed-to-gain ratio (F/G) of about 5.5 on one set and 6.5 on the other.

These calves were fed in the same yard using the same diet and implant protocol; we just moved them through the GrowSafe system in two groups so that we could get as much data as possible. That is why you will see two different F/G ratios and approximately the same number of progeny from each sire at each feeding period. Remember that the lower ratio for F/G is better. Really, this was another great set of cattle that were predominately Hereford genetics.

The Olsens collected DNA on all the steers which will be 50k or 770k genotyped through the U.S. Department of Agriculture feed efficiency project that has been led by Jerry Taylor at the University of Missouri.

In addition, the phenotypic data is being sent to Mike MacNeil, who is working on a feed intake trait. Dorian Garrick will do the research on looking at markers for feed intake and, in the future, will provide us a marker panel that we can use to help predict feed intake. **HW**

Table 1: 2011-born steer calves at Olsen Ranch

Sire name	Hot wt.	HCW %	Marble	Marble %	%CH	REA	REA %	Backfat	Backfat %	USDA YG	CYG	CYG %	June F/G ratio	Sept F/G ratio	BW Ratio	WW Ratio	YW Ratio
BRP R5 of P26 5N ET	838.4	93.3	463	96.8	81.3	12.2	93.2	0.52	84.8	3.1	3.6	95.3	104.8%	99.6%	99	101	100
DR MRF Complete 774 UR04 ET	892.8	99.3	417	87.0	69.6	12.7	97.2	0.66	107.4	3.4	4.0	105.5	95.9%	99.6%	99	98	99
DS 1045 Advance 3575N	859.7	95.6	560	117.0	100.0	12.9	98.5	0.68	110.7	3.2	3.9	102.1	97.1%		100	94	94
EF Beef N093 Professional W485	930.2	103.5	542	113.3	95.7	13.3	101.5	0.75	121.9	3.6	4.2	110.5	100.8%	110.9%	100	105	103
CSU Ram Dominator 4203	860.4	95.7	481	100.4	87.1	13.0	99.4	0.54	87.0	3.0	3.5	91.5	99.2%	98.1%	97	96	95
Huth the Babe W903 ET	913.9	101.7	466	97.3	96.3	13.4	102.8	0.64	103.2	3.2	3.8	100.0	96.3%	98.0%	96	102	101
JET Mr X910	902.7	100.4	493	103.0	88.9	13.2	101.0	0.62	100.2	3.2	3.7	99.4	106.5%	108.1%	99	101	102
DS Beef 9059	938.4	104.4	461	96.4	88.2	13.9	106.7	0.60	97.4	3.0	3.5	93.8	97.7%	103.2%	100	102	100
KCF Bennett R413 U620	883.9	98.3	442	92.3	83.3	12.7	96.9	0.51	82.6	3.1	3.6	94.8	99.1%	94.8%	104	101	100
KJ HVH 33N Redeem 485T ET	873.8	97.2	464	96.9	94.7	13.0	99.4	0.66	106.9	3.4	3.8	101.0	103.7%	109.5%	99	104	104
L1 Domino 07546	877.2	97.6	504	105.4	91.3	14.0	106.9	0.55	89.0	2.8	3.3	87.2	100.2%	96.3%	99	104	104
SHF Wonder M326 W18 ET	941.9	104.8	499	104.3	100.0	13.2	100.9	0.63	102.8	3.4	3.9	104.5	96.2%	97.5%	100	98	101
UPS Domino 3027	907.0	100.9	477	99.7	93.3	13.4	102.9	0.69	112.8	3.3	3.9	102.8	100.5%	87.5%	96	96	96
Whitehawk 2013 Beefmaker 912X	936.7	104.2	487	101.8	88.0	12.2	93.2	0.66	107.0	3.8	4.3	113.6	100.0%	110.7%	101	103	106
CK Mr Harland L008	906.6	100.9	458	95.6	91.7	13.0	99.1	0.58	94.0	3.3	3.8	99.6		97.6%	108	100	102

Table 2: EPDs for 2011 NRSP bulls tested at Olsen Ranch

Reg. #	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
42653939	BRP R5 OF P26 5N ET	5.8	0.30	2.8	0.82	54	0.76	93	0.78	3	0.5	29	3.5	0.26	95	0.61	2.2	0.45	-0.015	0.62	0.20	0.63	0.41	0.68	41	25	38	3
42905254	DR MRF Complete 774 UR04 ET	1.7	0.23	2.4	0.70	50	0.61	85	0.63	22	0.23	47	1.0	0.18	96	0.35	1.4	0.21	0.005	0.25	0.16	0.28	0.24	0.24	24	17	22	27
42394633	DS 1045 Advance 3575N	0.0	0.15	3.4	0.75	40	0.68	80	0.71	18	0.35	39	0.3	0.16	147	0.53	0.7	0.18	0.066	0.57	0.75	0.54	0.82	0.65	24	15	22	34
43032128	EF Beef N093 Professional W485	1.9	0.21	2.7	0.70	65	0.62	97	0.64	29	0.21	62	4.0	0.16	98	0.38	0.6	0.41	0.054	0.37	0.48	0.40	0.39	0.35	18	16	12	35
42531422	CSU Ram Dominator 4203	4.2	0.40	-0.5	0.89	27	0.85	53	0.86	17	0.72	31	2.9	0.34	35	0.72	1.0	0.51	-0.045	0.76	0.08	0.76	0.25	0.81	24	21	24	20
43045999	Huth The Babe W903 ET	4.5	0.19	1.6	0.73	52	0.64	80	0.65	21	0.21	47	5.9	0.15	67	0.36	1.1	0.34	0.049	0.38	0.23	0.40	0.16	0.35	23	20	19	24
42996814	JET Mr X910	5.1	0.18	1.7	0.73	59	0.64	96	0.65	27	0.22	57	2.9	0.15	89	0.38	1.3	0.25	0.020	0.29	0.47	0.32	0.32	0.26	25	20	20	34
41149734	DS Beef 9059	2.5	0.39	2.0	0.90	42	0.87	70	0.87	12	0.79	33	0.8	0.37	80	0.73	0.9	0.63	-0.053	0.77	0.84	0.78	0.20	0.81	25	18	24	29
42955456	KCF Bennett R413 U620	0.5	0.16	4.9	0.74	61	0.64	98	0.67	23	0.21	53	1.7	0.14	106	0.4	2.3	0.43	-0.013	0.41	0.44	0.42	0.42	0.38	36	19	34	38
42834201	KJ HVH 33N Redeem 485T ET	0.5	0.28	2.7	0.80	71	0.72	110	0.72	15	0.35	50	2.6	0.20	116	0.54	1.2	0.41	0.053	0.48	0.81	0.48	0.43	0.44	27	16	22	40
42813264	L1 Domino 07546	4.0	0.24	1.7	0.74	38	0.64	67	0.65	24	0.19	43	-2.1	0.17	57	0.43	0.3	0.37	0.017	0.32	0.33	0.34	0.36	0.29	15	16	13	25
42991698	SHF Wonder M326 W18 ET	2.1	0.24	1.9	0.73	49	0.64	91	0.62	15	0.24	40	3.7	0.20	100	0.37	1.6	0.27	-0.006	0.37	0.67	0.38	0.23	0.34	29	19	27	30
42426386	UPS Domino 3027	11.3	0.62	-1.5	0.92	47	0.89	77	0.89	37	0.77	60	5.1	0.52	59	0.79	1.0	0.80	0.005	0.69	0.42	0.71	0.35	0.70	24	26	18	32
42980919	Whitehawk 2013 Beefmaker 912X	6.3	0.22	3.5	0.64	64	0.54	110	0.57	31	0.18	63	-0.5	0.17	111	0.36	1.5	0.34	0.011	0.30	0.40	0.32	0.02	0.27	22	19	17	31
43016347	CK Mr Harland L008	4.1	0.23	4.5	0.74	46	0.59	88	0.60	32	0.19	54	2.3	0.18	78	0.37	1.1	0.30	0.027	0.26	0.09	0.30	0.44	0.25	21	18	17	29

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, 2013**
- 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