

Results from Olsen Ranch

2018-born calves results from NRSP partner Olsen Ranch's test herd.



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Below are the National Reference Sire Program (NRSP) results from 2018-born calves at Olsen Ranch in Harrisburg, Neb. The cow base used at Olsen Ranch for the NRSP is a commercial Hereford herd, and this is Olsen's 21st anniversary of providing phenomenal results. Because of the American Hereford Association's (AHA) partnerships with various test herds like Olsen's, breeders can make better-informed decisions relative to traits of interest.

Ultimately, the AHA's goal is to identify young sires that can positively affect the marketplace, giving seedstock and commercial breeders alike proof that Hereford genetics

are profitable. Likewise, proven sires are evaluated in this test to further validate their values, providing more reliable data for comparing young sires to the Hereford population.

2018 results

Listed in Table 1, you will find the phenotypic averages by sire group for dry matter intake (DMI) and average daily gain (ADG). Likewise, Table 2 lists the complete performance results from birth to harvest by sire group. It is important to note there are two distinct groups that were analyzed separately, as the first-calf heifers were managed differently from the mature cows; consequently, two separate

contemporary groups were formed, and data should only be compared within a group.

Table 3 showcases the phenotypic averages of each group to complement Tables 1 and 2. In regard to the progeny averages, both groups of cattle performed well. Two separate progeny tests were run to measure DMI and ADG, where the progeny out of the heifers were on test for 75 days, and the progeny out of the cows were on test for 79 days.

The progeny group out of the cows converted especially well but were also lighter when compared to the group out of the heifers. In terms of end product merit, both groups of cattle graded in the upper end of average Choice, as 74% of the cattle graded upper 2/3 Choice and higher, but impressively, they achieved this exceptional quality grade while offering a remarkable combined calculated yield grade of 3.3. Anymore, finding the combination of these two is rare, and I think this outcome speaks not only for the focus on marbling for which Olsen Ranch has selected but also for the known strengths of Hereford cattle staying trimmer when pushed to a heavier weight.

Regarding hot carcass weight, you will observe a notable difference between the two groups, and this can be explained by the favorable nutrition advantage the first-calf heifers had after calving when compared to that of the mature cows. Again, because of this, the progeny groups out of the first-calf heifers were placed in different contemporary groups than the progeny groups out of the cows for all phenotypes except birth weight (BW).

Sire reg. no.	Sire name	No. head	DMI	Rank	ADG	Rank	F:G	Rank	Adj. F:G	Rank
Bulls used on heifers										
43603037	Churchill Kickstart 501C ET	12	24.4	1	4.2	3	5.9	1	6.0	1
43594696	Huth FTF Torque C002	7	26.9	3	4.2	2	6.5	4	6.3	3
43268575	OR 3575 Husker N151 ET	7	27.0	4	4.4	1	6.2	2	6.1	2
43676217	SHF Deadbolt 001A D163	10	24.6	2	3.9	4	6.4	3	6.5	4
Bulls used on cows										
43616719	/S Peerless 55000 ET	14	23.8	12	4.3	2	5.6	4	5.6	4
43720603	/S Revolution 66128	15	22.5	5	3.9	12	5.8	11	6.1	12
43724674	BR Belle Air 6011	12	22.5	3	4.2	3	5.4	2	5.3	2
43268007	CL 1 Domino 215Z	18	23.1	8	4.0	8	5.7	10	5.5	3
43683964	EFBEEF B20 X51 D804	24	22.2	2	3.9	11	5.7	8	5.9	11
43289496	FTF Prime Product 226Z	7	22.7	6	4.3	1	5.2	1	4.8	1
43694844	KCF Bennett Relevant D67 ET	15	23.3	10	4.1	5	5.7	7	5.7	6
43662452	KCF Bennett X51 C558	16	22.9	7	4.1	6	5.6	6	5.7	7
43268578	OR 3575 Husker N162 ET	7	23.7	11	4.1	7	5.9	12	5.8	9
43624399	Schu-Lar Conversion 501 ET	18	22.5	4	3.9	9	5.7	9	5.8	8
43591689	Schu-Lar Selection 16C	19	21.4	1	3.9	10	5.4	3	5.6	5
43676151	SHF D-Day 001A D04 ET	11	23.3	9	4.2	4	5.6	5	5.8	10

Sire reg. no.	Sire name	No. head	BW ratio	WW ratio	YW ratio	No. harvested	MARB score	MARB ratio	% Choice	% Upper 2/3 Choice	% Prime	HCW	HCW ratio	REA	REA ratio	FAT	FAT ratio	CYG	CYG ratio
Bulls used on heifers																			
43603037	Churchill Kickstart 501C ET	33	98	97	99	16	509	90	88	50	0	822	98	13.1	97	0.60	97	3.45	102
43594696	Huth FTF Torque C002	46	106	104	103	13	566	100	100	69	8	875	105	13.6	101	0.68	110	3.69	108
43268575	OR 3575 Husker N151 ET	27	107	99	100	9	632	112	100	89	22	862	103	14.1	104	0.71	114	3.53	104
43676217	SHF Deadbolt 001A D163	41	107	99	98	17	584	103	100	88	12	809	97	13.5	100	0.53	85	3.06	90
Bulls used on cows																			
43616719	/S Peerless 55000 ET	44	103	98	102	17	498	87	94	41	6	771	104	12.6	101	0.60	108	3.42	106
43720603	/S Revolution 66128	41	94	94	94	19	557	97	100	79	0	706	95	12.5	101	0.47	84	2.86	88
43724674	BR Belle Air 6011	37	102	101	100	14	615	108	100	79	21	749	101	12.0	97	0.64	114	3.58	111
43268007	CL 1 Domino 215Z	48	100	104	105	21	600	105	100	86	14	790	107	12.5	101	0.60	107	3.51	109
43683964	EFBEEF B20 X51 D804	41	96	101	98	25	557	97	92	72	8	707	96	12.0	97	0.61	108	3.35	104
43289496	FTF Prime Product 226Z	39	102	104	102	9	576	101	89	68	11	779	105	12.6	101	0.52	93	3.24	100
43694844	KCF Bennett Relevant D67 ET	42	97	101	100	16	582	102	88	75	19	744	101	12.6	101	0.55	98	3.17	98
43662452	KCF Bennett X51 C558	45	100	100	99	17	575	101	94	71	18	731	99	12.8	103	0.53	94	2.99	93
43268578	OR 3575 Husker N162 ET	30	102	103	104	10	660	115	100	90	40	787	106	13.2	106	0.64	114	3.37	104
43624399	Schu-Lar Conversion 501 ET	54	98	100	100	22	571	100	95	86	5	725	98	12.7	102	0.49	88	2.92	90
43591689	Schu-Lar Selection 16C	50	97	98	99	25	563	98	100	72	8	725	98	12.0	97	0.53	95	3.23	100
43676151	SHF D-Day 001A D04 ET	50	97	98	100	15	566	99	100	80	7	728	98	11.8	95	0.53	95	3.31	103

	Bulls used on heifers	Bulls used on cows
DMI	25.4	22.8
ADG	4.2	4.1
F:G	6.1	5.6
MARB score	566	572
% Choice	96	96
% Upper 2/3 Choice	73	75
% Prime	9	11
HCW	837	740
FAT	0.62	0.56
REA	13.5	12.4
CYG	3.40	3.23

Printed in Table 4 are the expected progeny differences (EPDs) for the sires used in the Olsen test, and they include all of the observed postweaning phenotypes and are reflective of the genetic evaluation released on Jan. 13, 2020. I would encourage you to study the genetic profiles of the sires used and to find a bull that will work in your program. In my opinion, there are several bulls that will satisfy multiple economically relevant traits.

The AHA is always interested in building on the already impressive group of NRSP test herds. The NRSP serves as a key catalyst tool for the AHA's genetic evaluation and certainly leverages the value of Hereford genetics for the commercial industry.

The major benefit of being a test herd is gaining access to progressive germ plasm from some of the leading Hereford herds in the U.S. The semen is donated to the test herd, and along with this, a \$2,500 fee is paid to the test herd per bull used. Progeny management is left up to the discretion of the individuals who own the test herd. The only requirement is the AHA wants complete phenotypes collected from birth to harvest. If you are interested in becoming a test herd for the AHA, please contact Shane Bedwell at sbedwell@hereford.org.

For those breeders interested in nominating a sire for the 2020 NRSP, please visit Hereford.org/NRSP, or contact sbedwell@hereford.org as nominations are due March 1.

I would also like to congratulate the spring 2020 Gold and Platinum TPR™ (Total Performance Records) breeders for their commitment to providing valuable information to continue improving the breed. This spring marks the first recognition of our Platinum TPR breeders. Please see Pages 10 and 12 to view the outstanding breeders who achieved Gold and Platinum status. **HW**

Table 4: EPDs for 2018 NRSP bulls tested at Olsen Ranch (as of 1/13/2020)

Reg. No.	Sire Name	CE EPD	CE ACC	BW EPD	BW ACC	WW EPD	WW ACC	YW EPD	YW ACC	DMI EPD	DMI ACC	SC EPD	SC ACC	SCF EPD	SCF ACC	MM EPD	MM ACC	MG EPD
Bulls used on heifers																		
43603037	Churchill Kickstart 501C ET	4.6	0.65	-0.1	0.90	57	0.83	88	0.82	-0.3	0.30	1.0	0.68	21.4	0.31	16	0.44	45
43594696	Huth FTF Torque C002	4.4	0.56	3.8	0.82	80	0.73	117	0.67	0.5	0.29	1.5	0.52	21.9	0.21	21	0.30	61
43268575	OR 3575 Husker N151 ET	8.4	0.50	0.9	0.76	47	0.66	79	0.67	-0.1	0.57	1.1	0.33	20.7	0.17	19	0.36	42
43676217	SHF Deadbolt 001A D163	4.2	0.51	3.4	0.73	62	0.63	96	0.61	-0.2	0.29	1.2	0.47	13.5	0.15	27	0.23	58
Bulls used on cows																		
43616719	/S Peerless 55000 ET	5.1	0.47	3.2	0.80	62	0.69	95	0.67	0.4	0.43	2.5	0.48	20.0	0.17	24	0.26	55
43720603	/S Revolution 66128	13.2	0.49	-1.4	0.78	55	0.66	82	0.64	-0.2	0.45	1.3	0.45	21.6	0.22	20	0.25	48
43724674	BR Belle Air 6011	-0.5	0.57	2.1	0.84	58	0.74	96	0.69	0.0	0.36	2.6	0.48	15.7	0.20	35	0.24	64
43268007	CL 1 Domino 215Z	3.7	0.72	2.1	0.92	74	0.87	118	0.86	0.4	0.45	1.4	0.74	10.1	0.35	25	0.65	62
43683964	EFBEEF B20 X51 D804	4.9	0.41	1.1	0.71	63	0.60	99	0.59	0.1	0.46	1.6	0.41	21.0	0.14	23	0.19	55
43289496	FTF Prime Product 226Z	5.8	0.56	1.2	0.84	62	0.76	97	0.75	-0.1	0.55	1.8	0.51	24.5	0.24	38	0.46	69
43694844	KCF Bennett Relevant D67 ET	12.1	0.44	-0.5	0.76	59	0.66	95	0.65	0.4	0.43	1.2	0.44	20.9	0.18	24	0.24	53
43662452	KCF Bennett X51 C558	8.0	0.45	1.6	0.73	63	0.62	98	0.59	0.3	0.43	1.1	0.39	22.5	0.19	19	0.25	50
43268578	OR 3575 Husker N162 ET	10.6	0.39	0.8	0.81	56	0.74	97	0.74	0.4	0.64	1.4	0.35	21.0	0.18	26	0.34	54
43624399	Schu-Lar Conversion 501 ET	10.6	0.42	0.7	0.75	60	0.65	90	0.63	0.1	0.54	0.9	0.38	18.0	0.17	15	0.24	45
43591689	Schu-Lar Selection 16C	12.8	0.46	-1.2	0.77	58	0.66	92	0.64	0.0	0.51	1.0	0.46	21.5	0.20	18	0.26	47
43676151	SHF D-Day 001A D04 ET	14.2	0.45	-0.6	0.72	62	0.63	99	0.61	0.1	0.38	1.3	0.45	16.4	0.16	27	0.26	58

Reg. No.	Sire Name	MCE EPD	MCE ACC	MCW EPD	MCW ACC	UDDER EPD	UDDER ACC	TEAT EPD	TEAT ACC	CWT EPD	CWT ACC	FAT EPD	FAT ACC	REA EPD	REA ACC	MARB EPD	MARB ACC	BMI	BII	CHB	GE-EPDs
Bulls used on heifers																					
43603037	Churchill Kickstart 501C ET	3.0	0.46	102	0.52	1.6	0.67	1.7	0.69	57	0.43	0.033	0.45	0.33	0.42	-0.38	0.43	396	442	96	yes
43594696	Huth FTF Torque C002	1.0	0.30	116	0.40	1.8	0.49	1.8	0.51	102	0.44	0.093	0.44	0.46	0.42	0.04	0.43	456	554	135	yes
43268575	OR 3575 Husker N151 ET	6.2	0.30	33	0.54	1.1	0.59	1.3	0.61	76	0.49	0.133	0.47	0.68	0.49	0.66	0.48	449	553	117	yes
43676217	SHF Deadbolt 001A D163	3.1	0.25	67	0.39	1.4	0.47	1.5	0.46	58	0.43	0.003	0.44	0.46	0.42	0.34	0.44	325	416	107	yes
Bulls used on cows																					
43616719	/S Peerless 55000 ET	2.4	0.28	79	0.40	1.7	0.49	1.7	0.51	85	0.52	0.053	0.50	0.54	0.52	-0.18	0.51	398	460	117	yes
43720603	/S Revolution 66128	7.4	0.27	98	0.38	1.6	0.45	1.4	0.47	60	0.52	-0.027	0.49	0.83	0.50	0.39	0.51	460	549	115	yes
43724674	BR Belle Air 6011	1.3	0.26	89	0.33	1.2	0.5	1.2	0.47	68	0.46	0.093	0.47	0.36	0.44	0.60	0.45	372	480	108	yes
43268007	CL 1 Domino 215Z	9.1	0.58	126	0.50	1.3	0.76	1.4	0.78	98	0.55	0.113	0.56	0.37	0.51	0.54	0.55	312	429	139	yes
43683964	EFBEEF B20 X51 D804	2.1	0.21	97	0.35	1.2	0.42	1.2	0.42	64	0.54	0.113	0.52	0.39	0.52	0.42	0.54	431	536	96	yes
43289496	FTF Prime Product 226Z	5.7	0.38	82	0.44	1.3	0.63	1.3	0.65	78	0.59	-0.017	0.56	0.59	0.57	0.39	0.56	517	618	136	yes
43694844	KCF Bennett Relevant D67 ET	8.2	0.23	92	0.38	1.4	0.43	1.4	0.44	78	0.54	0.063	0.51	0.59	0.52	0.44	0.53	443	543	117	yes
43662452	KCF Bennett X51 C558	4.1	0.26	121	0.38	1.4	0.46	1.4	0.47	72	0.50	0.033	0.47	0.85	0.49	0.36	0.50	471	568	115	yes
43268578	OR 3575 Husker N162 ET	5.5	0.27	117	0.50	1.0	0.59	1.1	0.60	99	0.66	0.143	0.63	0.94	0.65	1.00	0.64	506	639	147	yes
43624399	Schu-Lar Conversion 501 ET	5.3	0.25	115	0.38	1.6	0.46	1.6	0.46	49	0.54	0.033	0.50	0.57	0.51	0.36	0.52	379	473	86	yes
43591689	Schu-Lar Selection 16C	10.6	0.26	78	0.40	1.4	0.48	1.3	0.48	68	0.53	0.063	0.51	0.22	0.51	0.51	0.52	446	552	110	yes
43676151	SHF D-Day 001A D04 ET	8.0	0.24	93	0.40	1.5	0.44	1.5	0.44	72	0.53	0.023	0.49	-0.01	0.5	0.44	0.50	371	473	116	yes

