



by Shane Bedwell, chief operating officer and director of breed improvement

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# NRSP Data Release from Olsen Ranch

Below are the National Reference Sire Program (NRSP) results from 2014-born calves at Olsen Ranch in Harrisburg, Neb.

I had the opportunity to visit Olsen's the first part of December, and, I must say, I was impressed with the pride and dedication that Art and Douglas have in this program. Hereford breeders should take great comfort in knowing there is not a more comprehensive and real-world test that is being conducted in the industry.

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 our goal is to identify young sires that can positively affect the marketplace and give seedstock and commercial breeders alike proof that Hereford genetics are profitable. Likewise, proven sires are evaluated in this test to further validate their values and to give the young sires comparison with the Hereford population.

### 2014 Olsen Ranch results

Also printed here are the expected progeny differences (EPDs) for sires used, along with the phenotypes of progeny

evaluated in the test. Also listed are intake and gain data that were calculated on test cattle. These data along with the rest of the phenotypes will be used in the Pan-American Cattle Evaluation (PACE), and, in addition, the AHA has all of the feedlot cattle genotyped to help with the genomic training and validation.

In most cases the phenotypic data aligned very well with the EPDs of sires, but not perfectly, which is not out of line. It is important to remember that EPDs are the best indicators of potential performance, but it is only when progeny data is added that we begin to realize the genetic potential, particularly of young sires.

Genomic-enhanced EPDs are definitely an effective tool that adds reliability to EPDs for young sires, but it is still important to continue to collect data to prove efficacy of traits – specifically looking at new economically relevant traits like carcass weight (CW), dry matter intake (DMI), Sustained Cowherd Fertility (SCF) and Heifer Calving Rate (HCR).

Because of the continued efforts of breeders turning in data on these and established traits, Hereford genetics will continue to benefit the bottom line of commercial cow-calf and feedlot owners.

In summary, of the 334 evaluated on test, 325 graded Choice or better with 46.4% being upper two-thirds Choice and 1.5% being Prime. Only nine cattle graded Select, which goes to show the improvements the breed has made and the continued focus of Olsen Ranch. On average, test cattle consumed 26 lb. per day on a dry matter basis, gained 4.7 lb. per day and converted at 5.5:1.

For those breeders interested in participating in the NRSP, please refer to the nomination form or visit [Hereford.org/NRSP](http://Hereford.org/NRSP). Nominations are due March 1. **HW**

## 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, 2016**
- **Furnish 75 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 Shane Bedwell 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 **HW**

Table 1: 2015 Olsen feed efficiency Group 2 - Sept. 21 - Dec. 1

| Sire name                    | Avg. DMI    | Rank | ADG         | Rank | Adj. F:G    | Rank | F:G         | Rank | Final Wt. (lb.) |
|------------------------------|-------------|------|-------------|------|-------------|------|-------------|------|-----------------|
| DS Beef 9059                 | 23.2        | 5    | 5.15        | 5    | 4.51        | 5    | 4.62        | 7    | 992             |
| DTF North Star M326 0X26 ET  | 22.2        | 1    | 4.69        | 13   | 4.78        | 11   | 4.75        | 9    | 1,016           |
| EFBeef U208 Sure Bet Z002    | 24.1        | 12   | 4.72        | 12   | 5.16        | 13   | 5.22        | 13   | 1,002           |
| HH Advance 1193Y ET          | 23.5        | 10   | 5.26        | 3    | 4.50        | 4    | 4.48        | 5    | 1,027           |
| JDH Victor 719T 33Z ET       | 23.8        | 11   | 5.34        | 1    | 4.49        | 3    | 4.40        | 1    | 1,049           |
| KJ TMG 236X Tebow 646Z       | 23.0        | 3    | 5.08        | 7    | 4.56        | 6    | 4.47        | 4    | 1,040           |
| L1 Domino 07546              | 22.9        | 2    | 5.32        | 2    | 4.34        | 1    | 4.43        | 2    | 1,002           |
| Loewen C&L LHF 33N Regal 74Z | 23.1        | 4    | 5.07        | 8    | 4.57        | 7    | 4.46        | 3    | 1,046           |
| OR 3575 Husker N162 ET       | 25.3        | 13   | 5.10        | 6    | 4.98        | 12   | 4.81        | 10   | 1,058           |
| OR 3575 Husker N166 ET       | 23.3        | 6    | 5.26        | 4    | 4.43        | 2    | 4.53        | 6    | 1,003           |
| RST 0124 Times A Wastin 2107 | 23.3        | 7    | 5.05        | 9    | 4.62        | 8    | 4.63        | 8    | 1,015           |
| SHF Manning W18 Z22          | 23.4        | 8    | 4.95        | 11   | 4.74        | 10   | 4.83        | 11   | 991             |
| SHF Master Piece P20 Z18     | 23.4        | 9    | 4.96        | 10   | 4.73        | 9    | 4.86        | 12   | 987             |
| <b>Grand Average</b>         | <b>23.4</b> |      | <b>5.08</b> |      | <b>4.64</b> |      | <b>4.64</b> |      | <b>1,017</b>    |

Table 2: 2015 Olsen feed efficiency Group 1 - June 26 - Sept. 7

| Sire name              | Avg. DMI    | Rank | ADG         | Rank | Adj. F:G    | Rank | F:G         | Rank | Final Wt. (lb.) |
|------------------------|-------------|------|-------------|------|-------------|------|-------------|------|-----------------|
| CSU Ram Dominator 4203 | 28.3        | 3    | 4.68        | 1    | 6.05        | 1    | 6.03        | 1    | 1,469           |
| Genoas Bonanza 11051   | 29.9        | 5    | 4.66        | 2    | 6.46        | 4    | 6.34        | 4    | 1,482           |
| SHF Major W193 Z149    | 28.8        | 4    | 4.50        | 3    | 6.42        | 2    | 6.23        | 2    | 1,494           |
| SHF Zeppelin 023R Z109 | 27.2        | 1    | 4.27        | 5    | 6.56        | 5    | 6.51        | 5    | 1,468           |
| TH 122 711 Victor 719T | 28.1        | 2    | 4.40        | 4    | 6.46        | 3    | 6.30        | 3    | 1,494           |
| <b>Grand Average</b>   | <b>28.5</b> |      | <b>4.49</b> |      | <b>6.43</b> |      | <b>6.32</b> |      | <b>1,482</b>    |

Table 3: 2014-born steer calves at Olsen Ranch

| Sire name                    | No. progeny | BW ratio | WW ratio | No. harvested | HCW   | HCW ratio | Marb score | Marb ratio | REA  | REA ratio | Fat  | Fat ratio | CYG | CYG ratio |
|------------------------------|-------------|----------|----------|---------------|-------|-----------|------------|------------|------|-----------|------|-----------|-----|-----------|
| <b>Bulls used on cows</b>    |             |          |          |               |       |           |            |            |      |           |      |           |     |           |
| DS Beef 9059                 | 44          | 101      | 99       | 19            | 824.4 | 99%       | 578        | 96%        | 13.3 | 105%      | 0.55 | 86%       | 3.3 | 88%       |
| DTF North Star M326 0X26 ET  | 49          | 101      | 102      | 13            | 804.2 | 97%       | 579        | 96%        | 12.7 | 100%      | 0.53 | 82%       | 3.3 | 89%       |
| EFBeef U208 Sure Bet Z002    | 47          | 98       | 100      | 24            | 812.7 | 98%       | 583        | 97%        | 12.8 | 101%      | 0.61 | 95%       | 3.5 | 95%       |
| HH Advance 1193Y ET          | 49          | 104      | 102      | 21            | 848.6 | 102%      | 582        | 97%        | 13.0 | 103%      | 0.61 | 95%       | 3.6 | 97%       |
| JDH Victor 719T 33Z ET       | 41          | 101      | 102      | 25            | 878.6 | 106%      | 606        | 102%       | 13.0 | 102%      | 0.68 | 106%      | 3.9 | 105%      |
| KJ TMG 236X Tebow 646Z       | 45          | 99       | 100      | 22            | 834.3 | 101%      | 572        | 95%        | 12.9 | 102%      | 0.64 | 100%      | 3.6 | 98%       |
| L1 Domino 07546              | 42          | 102      | 96       | 20            | 825.9 | 100%      | 625        | 106%       | 12.5 | 99%       | 0.69 | 107%      | 3.9 | 104%      |
| Loewen C&L LHF 33N Regal 74Z | 29          | 103      | 103      | 16            | 831.6 | 100%      | 570        | 95%        | 12.8 | 101%      | 0.65 | 101%      | 3.7 | 99%       |
| OR 3575 Husker N162 ET       | 19          | 92       | 101      | 8             | 863.8 | 104%      | 674        | 115%       | 12.3 | 97%       | 0.87 | 136%      | 4.5 | 122%      |
| OR 3575 Husker N166 ET       | 43          | 101      | 99       | 19            | 815.4 | 98%       | 564        | 93%        | 12.6 | 99%       | 0.62 | 96%       | 3.6 | 98%       |
| RST 0124 Times A Wastin 2107 | 44          | 102      | 102      | 29            | 826.1 | 100%      | 600        | 100%       | 12.9 | 102%      | 0.61 | 95%       | 3.5 | 95%       |
| SHF Manning W18 Z22          | 51          | 99       | 105      | 21            | 804.5 | 97%       | 600        | 101%       | 11.6 | 92%       | 0.73 | 114%      | 4.2 | 112%      |
| SHF Master Piece P20 Z18     | 26          | 96       | 97       | 18            | 819.1 | 99%       | 660        | 113%       | 12.1 | 96%       | 0.70 | 109%      | 4.0 | 107%      |
| <b>Bulls used on heifers</b> |             |          |          |               |       |           |            |            |      |           |      |           |     |           |
| CSU Ram Dominator 4203       | 21          | 102      | 97       | 9             | 871.7 | 98%       | 661        | 103%       | 13.3 | 102%      | 0.58 | 81%       | 3.5 | 88%       |
| Genoas Bonanza 11051         | 46          | 95       | 99       | 24            | 894.8 | 101%      | 690        | 108%       | 12.6 | 97%       | 0.79 | 111%      | 4.3 | 109%      |
| SHF Major W193 Z149          | 14          | 99       | 105      | 7             | 898.3 | 101%      | 625        | 96%        | 12.9 | 99%       | 0.73 | 102%      | 4.1 | 103%      |
| SHF Zeppelin 023R Z109       | 42          | 102      | 98       | 17            | 891.6 | 100%      | 648        | 101%       | 13.4 | 103%      | 0.72 | 102%      | 3.9 | 98%       |
| TH 122 711 Victor 719T       | 45          | 100      | 102      | 22            | 887.2 | 100%      | 589        | 90%        | 13.1 | 100%      | 0.66 | 93%       | 3.8 | 96%       |

**Table 4: EPDs for 2014 NRSP bulls tested at Olsen Ranch**

| Sire name                    | Reg. no. | CE<br>EPD | CE<br>ACC | BW<br>EPD | BW<br>ACC | WW<br>EPD | WW<br>ACC | YW<br>EPD | YW<br>ACC | MM<br>EPD | MM<br>ACC | MG<br>EPD | MCE<br>EPD | MCE<br>ACC | MCW<br>EPD | MCW<br>ACC | UDDR<br>EPD | UDDR<br>ACC | TEAT<br>EPD | TEAT<br>ACC | SC<br>EPD | SC<br>ACC | CW<br>EPD | CW<br>ACC | FAT<br>EPD | FAT<br>ACC | REA<br>EPD | REA<br>ACC | MARB<br>EPD | MARB<br>ACC | BMI | CEZ | BII | CHB |
|------------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-------------|-------------|-----|-----|-----|-----|
| <b>Bulls used on cows</b>    |          |           |           |           |           |           |           |           |           |           |           |           |            |            |            |            |             |             |             |             |           |           |           |           |            |            |            |            |             |             |     |     |     |     |
| DS Beef 9059                 | 41149734 | 2.1       | 0.47      | 2.0       | 0.90      | 43        | 0.87      | 70        | 0.88      | 13        | 0.82      | 35        | 0.6        | 0.45       | 78         | 0.76       | 1.31        | 0.77        | 1.22        | 0.76        | 1.0       | 0.64      | 68        | 0.81      | -0.056     | 0.80       | 0.83       | 0.82       | 0.18        | 0.84        | 26  | 18  | 25  | 29  |
| DTF North Star M326 OX26 ET  | 43081683 | 1.3       | 0.34      | 1.3       | 0.70      | 52        | 0.60      | 81        | 0.54      | 11        | 0.28      | 37        | 2.7        | 0.31       | 84         | 0.42       | 1.23        | 0.29        | 1.24        | 0.28        | 1.5       | 0.35      | 59        | 0.40      | 0.018      | 0.38       | 0.40       | 0.38       | 0.23        | 0.34        | 29  | 18  | 27  | 27  |
| EFBeef U208 Sure Bet Z002    | 43286241 | 7.7       | 0.31      | -1.0      | 0.70      | 56        | 0.59      | 92        | 0.51      | 20        | 0.19      | 49        | 5.0        | 0.26       | 73         | 0.40       | 1.40        | P           | 1.45        | P           | 1.8       | 0.35      | 63        | 0.38      | 0.032      | 0.30       | 0.55       | 0.32       | 0.36        | 0.27        | 34  | 25  | 29  | 34  |
| HH Advance 1193Y ET          | 43173225 | 1.6       | 0.33      | 2.7       | 0.74      | 55        | 0.66      | 68        | 0.65      | 23        | 0.32      | 50        | 0.9        | 0.29       | 75         | 0.43       | 1.63        | 0.31        | 1.75        | 0.31        | 1.2       | 0.30      | 57        | 0.46      | -0.055     | 0.46       | 0.50       | 0.46       | 0.05        | 0.42        | 24  | 17  | 23  | 28  |
| JDH Victor 719T 33Z ET       | 43294080 | 3.9       | 0.33      | 0.9       | 0.68      | 60        | 0.57      | 90        | 0.50      | 31        | 0.22      | 61        | 1.2        | 0.28       | 79         | 0.39       | 1.29        | P           | 1.27        | P           | 1.1       | 0.23      | 66        | 0.35      | -0.006     | 0.34       | 0.44       | 0.36       | 0.12        | 0.31        | 21  | 18  | 16  | 31  |
| KJ TMG 236X Tebow 646Z       | 43319521 | 3.9       | 0.37      | 0.0       | 0.73      | 59        | 0.63      | 92        | 0.59      | 29        | 0.23      | 58        | 6.6        | 0.31       | 86         | 0.43       | 1.27        | P           | 1.30        | P           | 1.7       | 0.32      | 65        | 0.43      | -0.034     | 0.35       | 0.48       | 0.37       | 0.25        | 0.33        | 30  | 21  | 25  | 35  |
| L1 Domino 07546              | 42813264 | 4.9       | 0.30      | 1.6       | 0.80      | 38        | 0.73      | 66        | 0.71      | 25        | 0.37      | 44        | -2.2       | 0.23       | 64         | 0.47       | 1.02        | 0.37        | 1.05        | 0.36        | -0.1      | 0.46      | 53        | 0.57      | -0.021     | 0.49       | 0.95       | 0.52       | 0.51        | 0.55        | 16  | 16  | 13  | 33  |
| Loewen C&L LHF 33N Regal 74Z | 43272651 | 3.2       | 0.34      | 2.5       | 0.71      | 61        | 0.61      | 99        | 0.51      | 25        | 0.25      | 55        | 3.0        | 0.29       | 102        | 0.40       | 1.32        | P           | 1.32        | P           | 1.6       | 0.26      | 65        | 0.38      | -0.001     | 0.30       | 0.61       | 0.39       | 0.04        | 0.39        | 26  | 19  | 22  | 30  |
| OR 3575 Husker N162 ET       | 43268578 | 4.5       | 0.29      | -1.6      | 0.58      | 44        | 0.47      | 81        | 0.46      | 26        | 0.20      | 48        | 2.5        | 0.25       | 110        | 0.39       | 1.23        | P           | 1.26        | P           | 1.1       | 0.19      | 66        | 0.33      | 0.099      | 0.30       | 0.37       | 0.31       | 0.79        | 0.27        | 27  | 20  | 23  | 33  |
| OR 3575 Husker N166 ET       | 43268582 | 3.1       | 0.29      | 0.4       | 0.64      | 40        | 0.53      | 72        | 0.46      | 23        | 0.20      | 43        | 2.0        | 0.25       | 105        | 0.37       | 1.23        | P           | 1.26        | P           | 0.9       | 0.19      | 62        | 0.32      | 0.067      | 0.25       | 0.29       | 0.27       | 0.68        | 0.23        | 24  | 19  | 22  | 29  |
| RST 0124 Times A Wastin 2107 | 43290227 | 4.3       | 0.32      | 0.9       | 0.69      | 66        | 0.59      | 114       | 0.56      | 27        | 0.19      | 60        | 2.8        | 0.26       | 108        | 0.41       | 0.87        | P           | 0.87        | P           | 1.1       | 0.40      | 78        | 0.41      | -0.036     | 0.35       | 0.51       | 0.36       | 0.28        | 0.31        | 24  | 18  | 17  | 41  |
| SHF Manning W18 Z22          | 43275470 | 7.0       | 0.37      | -2.3      | 0.75      | 41        | 0.67      | 79        | 0.60      | 25        | 0.23      | 45        | 4.6        | 0.30       | 59         | 0.41       | 1.17        | P           | 1.12        | P           | 1.7       | 0.38      | 54        | 0.42      | 0.007      | 0.38       | 0.18       | 0.39       | 0.45        | 0.35        | 31  | 24  | 28  | 30  |
| SHF Master Piece P20 Z18     | 43275434 | 6.3       | 0.36      | -1.6      | 0.69      | 49        | 0.59      | 75        | 0.54      | 24        | 0.23      | 48        | 3.4        | 0.31       | 67         | 0.42       | 1.27        | P           | 1.28        | P           | 1.9       | 0.38      | 50        | 0.40      | 0.025      | 0.35       | 0.21       | 0.36       | 0.48        | 0.32        | 34  | 24  | 32  | 31  |
| <b>Bulls used on heifers</b> |          |           |           |           |           |           |           |           |           |           |           |           |            |            |            |            |             |             |             |             |           |           |           |           |            |            |            |            |             |             |     |     |     |     |
| CSU Ram Dominator 4203       | 42531422 | 3.2       | 0.49      | -0.2      | 0.9       | 29        | 0.87      | 49        | 0.88      | 22        | 0.79      | 36        | 3.6        | 0.43       | 11         | 0.78       | 1.11        | 0.77        | 1.15        | 0.76        | 1.0       | 0.55      | 25        | 0.81      | -0.054     | 0.81       | 0.02       | 0.82       | 0.25        | 0.85        | 23  | 20  | 23  | 20  |
| Genoas Bonanza 11051         | 43174342 | 8.8       | 0.41      | -4.7      | 0.83      | 47        | 0.77      | 76        | 0.76      | 27        | 0.24      | 51        | 7.9        | 0.32       | 84         | 0.47       | 1.14        | 0.33        | 1.22        | 0.32        | 2.0       | 0.53      | 56        | 0.58      | 0.039      | 0.56       | -0.03      | 0.58       | 0.42        | 0.60        | 35  | 27  | 30  | 29  |
| SHF Major W193 Z149          | 43275408 | 9.2       | 0.31      | -2.2      | 0.66      | 54        | 0.55      | 80        | 0.55      | 18        | 0.19      | 45        | 3.5        | 0.26       | 78         | 0.41       | 1.40        | P           | 1.41        | P           | 0.9       | 0.40      | 62        | 0.41      | 0.031      | 0.39       | 0.31       | 0.39       | 0.33        | 0.35        | 26  | 24  | 20  | 31  |
| SHF Zeppelin 023R Z109       | 43276666 | 7.0       | 0.33      | 0.2       | 0.7       | 44        | 0.57      | 69        | 0.54      | 28        | 0.23      | 50        | 4.6        | 0.28       | 58         | 0.41       | 1.20        | P           | 1.23        | P           | 0.7       | 0.39      | 58        | 0.41      | 0.068      | 0.35       | 0.09       | 0.36       | 0.36        | 0.33        | 20  | 21  | 15  | 24  |
| TH 122 711 Victor 719T       | 42800895 | 7.7       | 0.76      | 0.5       | 0.94      | 61        | 0.92      | 88        | 0.91      | 28        | 0.81      | 59        | -2.4       | 0.68       | 71         | 0.82       | 1.34        | 0.85        | 1.45        | 0.84        | 1.4       | 0.83      | 66        | 0.80      | -0.015     | 0.72       | 0.32       | 0.74       | 0.11        | 0.70        | 24  | 20  | 21  | 32  |

**2016 National Reference Sire Feedlot and Carcass Testing Program Nomination Form**

Ranch Name \_\_\_\_\_ Contact person \_\_\_\_\_

Address \_\_\_\_\_

Phone No. \_\_\_\_\_ E-mail: \_\_\_\_\_

**Test Bull Information:** Name and Registration No. \_\_\_\_\_

Name and Registration No. \_\_\_\_\_

\*I acknowledge that any information or samples I provide to the AHA or through AHA programs may be used by the AHA for any purpose. \_\_\_\_\_

Signature

Send application by **March 1, 2016** to:  
 American Hereford Association  
 Shane Bedwell  
 P.O. Box 014059  
 Kansas City, MO 64101-0059

For more information, visit [Hereford.org/nrsp](http://Hereford.org/nrsp)  
 or contact Shane Bedwell at 816-842-3757  
 or [sbedwell@hereford.org](mailto:sbedwell@hereford.org).