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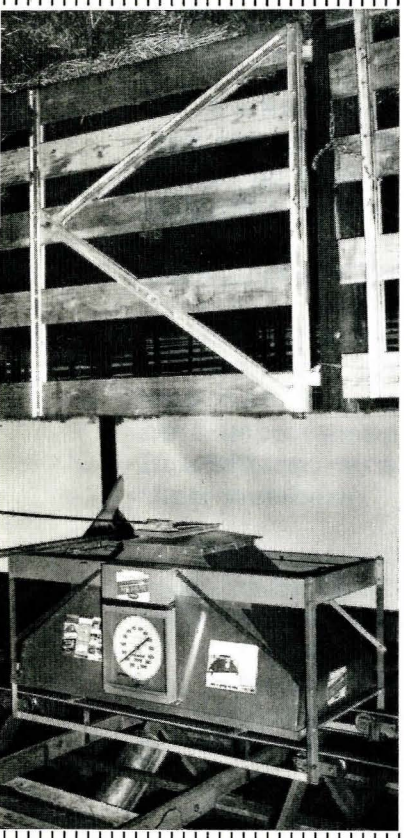
RESULTS OF... OGALLALA AND SCHUYLER BEEF TESTING STATIONS



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RESULTS OF OGALLALA AND SCHUYLER BEEF TESTING STATIONS

By Leo E. Lucas[1]
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INTRODUCTION

The first central station for testing bulls in Nebraska was established at Ogallala in the fall of 1963. This station was located in Mueller's feed yard about 1 1/2 miles south of Ogallala. The second central station for testing bulls was established about one mile west of Schuyler on Highway 30 in the fall of 1964. This station, unlike the first, was built especially for testing bulls. Bulls are fed in pens of five, allowing a measure of feed efficiency on a pen basis.

One of the main features of a central station is its educational value. Through visits to the station and at field days, breeders and producers can see differences in performance between animals that have been generally treated alike. Some of these differences can be attributed to heredity. Cattlemen, as a result, have an opportunity to become acquainted with performance programs available for use in their herd.

Where at least five or more bulls are tested from a herd at one time, the information from the station provides genetic comparisons between herds and sires. However, the major emphasis on herd improvement must come through herd improvement programs conducted on the farm or ranch.

Herd Improvement

Programs for herd improvement on farm or ranch have been available through the University of Nebraska Cooperative Extension Service since 1955. Since the program was started in 1955, there has been a continuous growth in number of cattlemen using herd improvement programs. Some 280 breeder-producers used this program in 1965. In addition, most breed associations have herd improvement programs available for their members.

The key issue in herd improvement centers around selection for traits of economic importance and the use of objective measurements to measure these traits. It is generally agreed that the major economic traits are (1) fertility or reproductive performance, (2) mothering or nursing ability, (3) conformation as it contributes to carcass value and longevity, (4) rate of gain and (5) feed efficiency. Breeders and producers should be discouraged from selecting traits of lesser importance since this will reduce progress for more important traits.

The measures for these traits include records of birth date, weaning weight and score, and yearling weight and score. These records give objective measures of the economic traits with the exception of carcass value and desirability. Carcass value and desirability can be measured through the use of ultrasonics and/or actual carcass cut-out information. Steer and heifer calves are accepted at the stations for measuring feedlot gains and carcass information on a sire basis.

1/ The author acknowledges the help of Fred Schmidt, County Agent, Keith-Arthur Counties; Ervin Schleicher, County Agent, Thedford District; Paul Johnson and Rollie Langenmeier of Schuyler, for collecting data for this publication.

Central Stations

Whether animals are performance tested on the farm or at a station, differences in environment (management, location, feeding, disease, etc.) exist between herds and stations. This makes it very difficult to compare records between herds or stations. Therefore, when comparisons are made between animals, they should be made between animals treated as nearly alike as possible. Comparisons should not be made between bulls tested at Ogallala and Schuyler stations.

The bulls were received at both stations in November of 1965. After a conditioning period of 30 days, bulls were started on test. The bulls at Ogallala were started on December 17th, and the Schuyler bulls on December 14th. The bull test ended at each location after 140 days. Data were collected at the end of test. Following is a description and definition of traits measured. Read these definitions carefully as several have been changed during the past year to conform with a national move to standardize records.

Adjusted 205-Day Weaning Weight: This is an adjusted weight recorded on the ranch which takes into account difference in age of calf and age of dam. All weaning weights are adjusted to 205 days and to a mature cow standard (5-10 years of age).

Adjusted Weaning Weight Ratio: A ratio which compares the weight of one calf with the average of all calves of same sex treated alike in a herd and weaned during the same period. For example, if a calf has an adjusted weaning weight of 520 pounds and the herd adjusted average is 400 pounds, the ratio is 130--520÷400. This means the weaning weight is 30 percent above the average of the group.

Daily Gain On Test: The daily gain on test was measured over a 140-day period starting in December and ending in May. All bulls were in a conditioning period for 30 days before beginning of test.

Gain On Test Ratio: This ratio was computed within breeds at each station. The average Shorthorn or Angus or Hereford bull at each station will have a ratio of 100. A bull with a ratio of 110 indicates a bull which has gained 10% more than the average of that breed at the station.

Weight Per Day of Age: Weight per day of age is determined by dividing weight at end of test by days in age.

Weight Per Day of Age Ratio: This ratio was also computed within breed at each station. The average bull for each breed at a station would have a ratio of 100. A ratio of 95 states that the bull was 5% below average for weight per day of age within the breed and station.

Feed Efficiency: At the Schuyler station feed efficiency is measured on a pen basis. If a breeder enters a pen of five bulls, he receives an average feed efficiency for the entry of five. Breeders entering less than five bulls receive an average feed efficiency based on the bulls in the lot. When evaluating feed efficiency remember heavier bulls will tend to be less efficient than younger bulls. Therefore, compare bulls within the same weight ranges.

Final Score: It is the final score placed on the bull by the committee at the end of the test. The system used for grading is the standard procedure used in farm and ranch performance testing. The scoring range is:

17 - 15	fancy
12 - 10	choice
11 - 9	good
8 - 6	medium

For more detailed information, obtain a copy of Extension Circular 63-209 and insert of changes from your County Extension agent.

Final Weight: This is the scale weight at the end of the 140-day test.

Fat Thickness: This trait is determined by measuring fat thickness at 12-13 rib with ultrasonic machine. Since bulls tend to have more fat at heavier weights, review final weight when examining fat thickness.

Western Nebraska Testing Station, Mueller Feedlot, Ogallala

Name and Address	Breed	Bull Sta.#	Birth Date	Adj. 205 Day Wean Wt.	Wean Wt. Ratio	Daily Gain on Test	Gain on Test Ratio	Wt. Per Day of Age	Wt. Per Day of Age Ratio	Final Score	Final Wt.	Fat Thick-Ness
Wayne Miller	Hereford	104	1/6	445	93	3.05	120	2.21	98	13.7	1070	.30
Ringgold, Nebr.	Hereford	105	1/12	530	111	2.89	114	2.43	108	12.7	1160	.26
Andrews Livestock Co.	Hereford	106	3/5	475	117	2.93	115	2.37	105	11.7	1010	.30
Fowling Route	Hereford	107	3/17	445	110	3.04	120	2.29	102	10.3	950	.26
Alliance, Nebr.	Hereford	108	4/3	440	109	2.82	111	2.22	99	12.0	880	.28
	Hereford	109	3/29	435	107	3.18	125	2.36	105	12.0	950	.36
	Hereford	110	5/21	535	132	2.54	100	2.44	108	11.7	850	.30
	Hereford	111	3/30	470	116	2.79	110	2.27	101	12.7	910	.28
Royce Williams	Hereford	112	3/15	470	112	2.36	93	2.15	96	12.0	895	.20
Haigler, Nebr.	Hereford	113	3/20	420	100	2.46	97	2.12	94	11.3	870	.30
	Hereford	114	5/25	420	100	2.18	86	2.07	92	9.7	715	.10
	Hereford	115	5/3	470	112	2.39	94	2.07	92	10.3	760	.18
	Hereford	116	3/11	505	120	2.36	93	2.00	89	11.7	840	.24
	Hereford	117	3/8	410	98	2.57	101	1.96	87	12.3	830	.22
	Hereford	118	1/15	390	93	2.39	94	1.98	88	12.0	940	.26
	Hereford	119	5/26	460	110	2.96	116	2.37	105	12.0	815	.18
	Hereford	120	1/22	390	93	1.93	76	1.83	81	12.7	855	.20
	Hereford	121	5/27	480	114	2.28	90	2.16	96	11.3	740	.12
	Hereford	122	4/13	420	100	2.39	94	2.07	92	12.0	800	.20
	Hereford	123	5/28	400	95	2.64	104	2.21	98	12.3	755	.20
	Hereford	124	2/1	440	105	2.57	101	2.14	95	12.0	980	.24
	Hereford	125	2/3	400	95	2.68	106	2.12	94	12.3	965	.32
	Hereford	126	5/4	475	113	2.21	87	2.13	95	11.0	780	.20
	Hereford	127	2/2	395	94	2.32	91	1.88	84	12.3	860	---
Lyle R. Phipps	Hereford	128	3/26	500	100	2.57	101	2.36	105	13.0	955	.16
Whitman, Nebr.	Hereford	129	3/13	540	108	2.43	96	2.54	113	13.0	1060	.32
	Hereford	130	3/1	465	93	1.96	77	2.06	92	12.3	885	.24
	Hereford	131	3/5	495	99	2.57	101	2.45	109	14.3	1045	.22
	Hereford	132	3/8	530	106	2.07	81	2.33	104	12.3	985	.18
	Hereford	133	3/12	520	104	2.46	97	2.41	107	14.0	1010	.26

Western Nebraska Testing Station, Mueller Feedlot, Ogallala

Name and Address	Breed	Bull Sta.#	Birth Date	Adj. 205 Day Wean Wt.	Wean Wt. Ratio	Daily Gain on Test	Gain on Test Ratio	Wt. Per Day of Age	Wt. Per Day of Age Ratio	Final Score	Final Wt.	Fat Thick-Ness
Lyle R. Phipps (cont.)	Hereford	134	3/5	530	106	2.32	91	2.46	109	13.7	1090	.22
	Hereford	135	3/26	550	110	2.64	104	2.54	113	12.7	1030	.20
	Hereford	136	3/6	545	109	2.61	103	2.64	117	13.7	1120	.20
	Hereford	137	3/8	450	90	1.82	72	2.00	89	12.3	845	.14
Maurice Staples Arthur, Nebr.	Hereford	140	3/23	530	110	2.39	94	2.30	102	12.3	985	.24
	Hereford	141	3/12	470	98	2.43	96	2.24	100	12.7	940	.28
	Hereford	142	3/31	470	98	2.43	96	2.19	97	12.0	875	.22
	Hereford	143	4/11	455	94	2.04	80	2.12	94	11.0	825	.16
	Hereford	144	4/20	490	102	2.50	98	2.33	104	13.0	885	.22
F. E. Messersmith & Sons Alliance, Nebr	Hereford	145	2/9	530	112	2.68	106	2.23	99	13.0	1005	.20
	Hereford	146	2/5	505	107	2.57	101	2.36	105	11.0	1070	.28
	Hereford	147	2/16	510	108	3.00	118	2.33	104	12.7	1030	.28
	Hereford	148	2/10	530	112	2.54	100	2.18	97	11.7	980	.20
	Hereford	149	2/19	520	110	2.57	101	2.30	102	12.3	1010	.22
	Hereford	150	2/19	505	107	2.71	107	2.35	104	11.7	1035	.24
	Hereford	151	2/24	520	110	2.64	104	2.25	100	12.3	980	.22
	Hereford	152	3/2	530	112	2.86	113	2.42	108	11.7	1040	.18
	Hereford	153	3/2	495	104	2.46	97	2.18	97	12.0	935	.24
	Hereford	154	3/22	520	110	2.71	107	2.27	101	11.3	930	.22
	Hereford	155	3/25	540	114	3.04	120	2.50	111	12.7	1015	.24
	Hereford	156	3/31	480	101	2.50	98	2.30	102	12.7	920	.18
	Hereford	157	4/7	520	110	2.75	108	2.48	110	12.7	975	.26
	Hereford	158	4/7	510	108	2.68	106	2.40	107	12.3	945	.26
	Hereford	159	4/8	605	127	3.11	122	2.60	116	11.0	1020	.12
T. R. Christensen Raymond, Nebr.	Hereford	160	2/8	430	102	2.11	83	1.95	87	12.0	880	.12
	Hereford	161	4/6	445	106	2.43	96	2.19	97	12.3	840	.16
	Hereford	162	2/13	470	112	2.32	91	2.39	106	13.0	1045	.22
	Hereford	163	2/6	440	105	2.20	87	2.05	91	12.0	930	.18

Western Nebraska Testing Station, Mueller Feedlot, Ogallala

Name and Address	Breed	Bull Sta.#	Birth Date	Adj. 205 Day Wean Wt.	Wean Wt. Ratio	Daily Gain on Test	Gain On Test Ratio	Wt. Per Day of Age	Wt. Per Day of Age Ratio	Final Score	Final Wt.	Fat Thick-Ness
Ed Bullington Tryon, Nebr.	Hereford	165	3/30	445	114	2.57	101	2.16	96	12.0	865	.26
	Hereford	166	3/31	410	106	2.90	114	1.88	84	11.7	750	---
	Hereford	167	4/30	470	121	2.39	94	2.22	99	11.7	820	---
Tom Melcher Page, Nebr.	Hereford	168	3/7	430	94	2.79	110	2.12	94	12.3	900	.12
Harold Melcher Page, Nebr.	Hereford	169	3/4	435	100	1.96	77	1.86	83	11.7	795	.22
	Hereford	170	3/14	445	102	2.50	98	2.19	97	12.7	915	.22
	Hereford	171	3/15	490	112	2.61	103	2.28	101	12.3	950	.22
	Hereford	172	3/24	460	106	2.39	94	2.20	98	12.7	895	.18
Howard Bodifield Ericson, Nebr.	Hereford	173	3/2	560	---	2.82	111	2.58	115	14.0	1105	.22
	Hereford	174	3/21	595	---	2.39	94	2.45	109	13.7	1005	.20
	Hereford	175	3/26	540	---	1.86	73	2.07	92	11.7	840	.22
	Hereford	176	3/16	540	---	2.36	93	2.33	104	12.7	965	.18
Dunn Bros. Harrison, Nebr.	Hereford	177	4/12	450	106	2.79	110	2.33	104	11.7	905	.18
	Hereford	178	4/12	495	116	3.00	118	2.56	114	12.3	995	.20
	Hereford	179	3/26	430	101	2.64	104	2.26	100	12.7	915	.30
W. R. Gladman Alma, Nebr.	Hereford	186	3/13	450	110	2.61	103	2.21	98	12.7	925	.34
	Hereford	187	3/15	420	102	2.18	86	1.98	88	12.0	825	.24
	Hereford	188	3/18	430	105	2.39	94	2.05	91	12.0	845	.24
	Hereford	189	4/6	460	112	2.82	111	2.26	100	13.0	890	---
	Hereford	190	4/23	540	132	2.86	113	2.51	112	12.7	945	.30
Don Cox Mullen, Nebr.	Hereford	191	3/28	475	108	2.93	115	2.38	106	11.7	960	.28
	Hereford	192	3/7	515	116	2.79	110	2.42	108	12.3	1025	.26

Western Nebraska Testing Station, Mueller Feedlot, Ogallala

Name and Address	Breed	Bull Sta.#	Birth Date	Adj. 205 Day Wean Wt.	Wean Wt. Ratio	Daily Gain on Test	Gain on Test Ratio	Wt. Per Day of Age	Wt. Per Day of Age Ratio	Final Score	Final Wt.	Fat Thick-Ness
Hereford Average	80 Head					2.54	100	2.25	100	12.2	929	.23
John B. McIntosh	Polled Heref.	138	4/12	525	106	3.00	112	2.42	101	12.0	940	.26
Broken Bow, Nebr.	Polled Heref.	139	4/7	465	94	3.00	112	2.35	98	11.3	925	.22
Rex & Ken Chase	Polled Heref.	180	3/16	520	---	2.68	100	2.43	101	12.7	1010	.26
Elsmere, Nebr.	Polled Heref.	181	3/28	485	---	3.25	122	2.62	109	12.0	1055	.30
	Polled Heref.	182	4/2	540	---	2.68	100	2.58	108	13.3	1025	.24
	Polled Heref.	183	4/14	480	---	2.50	94	2.37	99	12.0	915	.20
	Polled Heref.	184	4/1	470	---	2.04	76	2.07	86	12.3	825	---
	Polled Heref.	185	3/15	555	---	2.54	95	2.55	106	14.0	1060	.30
	Polled Heref.	193	3/26	480	---	2.57	96	2.32	97	13.3	940	.28
	Polled Heref.	194	3/31	520	---	2.43	91	2.34	98	13.7	935	---
Polled Hereford Ave.	10 Head					2.67	100	2.40	100	12.7	963	.21
Steve Haumont	Charolais	195	4/5	545	96	3.11	98	2.84	99	12.3	1120	.12
Sargent, Nebr.	Charolais	196	4/12	665	118	2.82	89	3.02	105	11.0	1170	.14
	Charolais	197	4/15	665	118	2.96	94	3.05	106	12.0	1175	.12
Howard Furgeson	Charolais	54	4/21	530	---	3.32	105	2.70	94	11.7	1025	.14
Beaver Lake Cattle Co.	Charolais	546	4/24	495	---	3.57	113	2.79	97	11.0	1050	.16
Valentine, Nebr.												
Charolais Average	5 Head					3.16	100	2.88	100	11.6	1108	.14
Clyde Licking	Angus	202	3/13	475	---	2.82	118	2.28	104	12.7	955	.40
Seneca, Nebr.	Angus	203	3/22	480	---	2.46	102	2.09	96	10.7	855	---
	Angus	204	4/6	430	---	2.25	94	2.02	93	12.0	795	.20

Western Nebraska Testing Station, Mueller Feedlot, Ogallala

Name and Address	Breed	Bull Sta.#	Birth Date	Adj. 205 Day Wean Wt.	Wean Wt. Ratio	Daily Gain on Test	Gain on Test Ratio	Wt. Per Day of Age	Wt. Per Day of Age Ratio	Final Score	Final Wt.	Fat Thick-Ness
Hanke Farms	Angus	206	3/8	400	103	2.04	85	1.94	89	10.0	820	.26
Archer, Nebr.	Angus	207	3/28	405	104	2.57	107	2.16	99	12.7	870	.28
	Angus	208	4/8	420	108	2.61	109	2.24	103	12.7	880	.34
	Angus	209	1/24	405	104	2.46	102	2.09	96	11.3	975	.24
Kermit Paxton	Angus	513	4/8	515	113	2.04	85	2.07	95	10.7	810	.16
Stapleton, Nebr.	Angus	216	1/28	425	94	1.64	68	1.95	89	11.7	900	.22
	Angus	217	4/29	450	99	2.21	92	2.14	98	10.3	795	.26
	Angus	218	5/19	605	133	2.79	116	2.54	117	11.7	890	.40
	Angus	219	3/26	---	---	2.36	98	2.58	118	14.0	1045	.32
William Schluntz	Angus	221	3/8	460	111	2.43	101	2.04	94	12.0	865	.26
Republican City,	Angus	222	2/20	440	106	1.93	80	1.85	85	11.7	810	.28
Nebr.	Angus	223	4/13	500	121	2.11	88	2.09	96	12.3	810	.34
	Angus	224	3/23	455	110	2.11	88	1.99	91	10.7	810	.22
	Angus	225	2/18	490	118	2.61	109	2.14	98	12.0	945	.26
Leland Bohmont	Angus	6	3/15	481	109	2.79	116	2.21	101	12.3	920	.30
Martell, Nebr.	Angus	92	3/21	500	113	2.50	104	2.28	105	12.3	935	.32
	Angus	8	2/1	480	109	2.61	109	2.27	104	12.3	1040	.38
	Angus	93	4/6	525	119	2.68	112	2.41	111	12.0	950	.28
	Angus	9	2/14	460	104	2.43	101	2.10	96	11.7	935	.20
Leonard C. Brown	Angus	21	2/12	530	113	2.00	83	2.23	102	13.3	995	.32
St. Francis, Kansas	Angus	57	1/17	445	95	2.00	83	2.01	92	13.0	950	---
	Angus	59	1/24	430	91	2.29	95	2.16	99	13.7	1005	.32
Elmer Stone	Angus	792	3/20	465	108	2.46	102	2.20	101	11.7	905	.26
Palmer, Nebr.	Angus	661	3/14	480	111	2.71	113	2.45	112	12.0	1020	.36
	Angus	684	3/17	440	102	2.54	106	2.16	99	11.7	895	.34
	Angus	675	2/19	415	96	2.79	116	2.31	106	13.0	1115	.28

Western Nebraska Testing Station, Mueller Feedlot, Ogallala

Name and Address	Breed	Bull Sta.#	Birth Date	Adj. 205 Day Wean Wt.	Wean Wt. Ratio	Daily Gain on Test	Gain on Test Ratio	Wt. Per Day of Age	Wt. Per Day of Age Ratio	Final Score	Final Wt.	Fat Thick-Ness
Elmer Stone (cont.)	Angus	671	3/12	445	103	2.61	109	2.26	104	11.7	945	.34
	Angus	893	4/8	455	105	2.25	94	2.03	93	11.3	795	.30
	Angus	678	3/3	430	100	2.14	89	2.03	93	11.0	870	.24
	Angus	655	3/8	445	103	2.18	91	2.04	94	11.7	865	.20
	Angus	777	3/15	520	121	2.71	113	2.45	112	11.3	1020	.22
	Angus	855	4/4	460	107	2.93	122	2.36	108	12.7	935	.26
Angus Average	35 Head					2.40	100	2.18	100	11.9	912	.28
Station Average	130 Head					2.54	100	2.27	100	12.1	934	.24

Eastern Nebraska Testing Station, Schuyler

Name and Address	Breed	Bull Sta.#	Birth Date	Adj. 205 Day Wean Wt.	Wean Wt. Ratio	Daily Gain on Test	Gain on Test Ratio	Wt. Per Day of Age	Wt. Per Day of Age Ratio	Feed Eff.	Final Score	Final Wt.	Fat Thick-Ness
Harold Melcher	Hereford	30	4/6	580	130	3.14	106	2.76	110		13.0	1080	.28
Page, Nebr.	Hereford	31	4/2	485	109	2.93	99	2.45	97		13.5	970	.38
	Hereford	32	3/24	535	120	3.03	102	2.56	102		13.0	1035	.26
	Hereford	33	3/7	515	115	2.71	91	2.48	98		13.0	1045	.40
	Hereford	34	3/3	485	109	3.07	103	2.41	96	7.45	14.0	1025	.38
Joseph A. Heese	Hereford	68	4/16	510	114	2.75	92	2.37	94		11.0	905	.24
Hartington, Nebr.	Hereford	69	5/2	525	118	3.18	107	2.60	103	7.96	11.0	950	.24
Hereford Average	7 Head					2.97	100	2.52	100	7.60	12.6	1001	.31
George Boucher	Charolais	54	4/26	---	---	2.96	92	2.63	87		11.5	980	.14
Ravenna, Nebr.	Charolais	55	5/8	---	---	3.57	111	2.96	98		12.0	1065	.12
	Charolais	56	4/18	---	---	3.53	110	3.14	104		14.0	1195	.24
	Charolais	57	5/2	---	---	3.21	100	3.32	110		13.0	1215	.26
	Charolais	58	6/2	---	---	2.82	88	3.10	102	7.96	12.5	1040	.34
Charolais Average	5 Head					3.22	100	3.03	100	7.96	12.6	1099	.22
Tom Holt	Galloway	12	3/23	450	---	2.39	89	1.98	93		10.5	805	.14
Route 2	Galloway	13	3/30	440	---	3.00	111	2.28	107	8.60	13.0	910	.22
Eureka, Kansas													
Galloway Average	2 Head					2.70	100	2.13	100	8.60	11.8	858	.18
Henry Buss & Son	Shorthorn	14	3/15	550	124	2.64	100	2.61	100	8.77	12.0	1080	.34
Tangle-Tree Farm													
Route 1													
Columbus, Nebr.													

Eastern Nebraska Testing Station, Schuyler

Name and Address	Breed	Bull Sta.#	Birth Date	Adj. 205 Day Wean Wt.	Wean Wt. Ratio	Daily Gain on Test	Gain On Test Ratio	Wt. Per Day Of Age	Wt. Per Day of Age Ratio	Feed Eff.	Final Score	Final Wt.	Fat Thick Ness
Rueben Peterson Neb. Artf. Breeders Box 800 Fremont, Nebr.	Red Angus	11	3/13	---	---	2.82	100	2.48	100	8.22	13.0	1030	.32
Richard Bruner	Angus	1	5/23	410	99	2.18	82	2.07	92		11.5	715	.26
Rt. 2, Box 86-A	Angus	2	5/8	465	112	2.21	83	2.26	101		12.0	815	.28
David City, Nebr.	Angus	3	5/26	450	108	2.28	85	2.25	100		13.0	770	.38
	Angus	4	6/2	420	101	2.64	99	2.33	104		12.0	780	.28
	Angus	5	5/2	460	111	2.18	82	2.17	97	8.29	12.5	795	.30
Donald Meilike	Angus	6	3/22	425	---	2.32	87	2.15	96		12.0	875	.36
Route 1	Angus	7	3/27	427	---	2.14	80	1.92	86		12.0	775	.26
Norfolk, Nebr.	Angus	8	4/3	425	---	2.39	90	2.06	92		11.0	815	.36
	Angus	9	4/5	415	---	2.25	84	1.91	85		11.5	750	.22
	Angus	10	4/19	430	---	2.39	90	2.18	97	8.59	12.5	825	.28
Otto Biere	Angus	15	3/31	510	101	2.50	94	2.36	105		13.0	940	.26
Route 2	Angus	16	3/11	585	111	2.21	83	2.49	111		12.5	1040	.24
Auburn, Nebr.	Angus	17	3/13	507	100	2.28	85	2.15	96		12.5	895	.24
	Angus	18	3/12	570	113	2.78	104	2.65	118		13.0	1105	.32
	Angus	19	1/3	510	101	2.28	85	2.30	103	9.31	14.0	1115	.30
Langemeier & Wagner	Angus	20	4/10	---	---	2.96	111	2.20	98		12.5	855	.32
1303 Colfax	Angus	21	4/18	---	---	3.00	112	2.06	92		11.5	785	.20
Schuyler, Nebr.	Angus	22	5/29	---	---	2.21	83	1.86	83		10.5	630	.14
	Angus	23	3/19	---	---	2.89	108	2.02	90		10.5	830	.22
	Angus	24	4/2	---	---	2.32	87	1.77	79	6.81	11.0	700	.14
Langemeier & Wagner	Angus	25	3/18	---	---	2.61	98	1.69	75		11.5	695	.24
1303 Colfax	Angus	26	3/28	---	---	2.46	92	1.90	85		12.5	760	.34
Schuyler, Nebr.	Angus	27	5/20	---	---	1.96	73	1.74	78		10.5	605	.18
	Angus	28	4/13	---	---	2.25	84	1.75	78		11.0	675	.18
	Angus	29	5/15	---	---	2.36	88	1.90	85	7.43	11.5	670	.22

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Bill & Jan Corbin	Angus	35	4/23	627	---	3.54	132	2.92	130		13.5	1095	.30
Star Route	Angus	36	4/19	599	---	3.11	116	2.60	116		13.0	985	.26
Eureka, Kansas	Angus	37	5/6	---	---	3.39	127	2.61	116		11.5	945	.20
	Angus	38	4/26	---	---	3.00	112	2.54	113		12.0	945	.22
	Angus	39	4/2	517	---	3.36	126	2.54	113	7.69	12.5	1005	.34
Marvin Folken & Son	Angus	40	4/2	---	---	3.28	123	2.28	102		12.0	905	.32
Richland, Nebr.	Angus	41	4/27	---	---	3.07	115	2.21	99		11.5	820	.34
	Angus	42	4/7	---	---	3.07	115	2.28	102		12.5	890	.30
	Angus	43	4/10	---	---	3.32	124	2.46	110		12.5	955	.30
	Angus	44	4/15	---	---	2.82	106	2.10	94	7.05	12.0	805	.28
James Cummings	Angus	45	5/10	---	---	2.64	99	2.58	115		12.0	925	.28
Route 2	Angus	46	4/7	415	102	2.69	101	2.31	103		12.0	905	.30
Columbus, Nebr.	Angus	47	3/16	450	111	1.89	71	2.14	96		11.5	885	.28
	Angus	48	4/12	370	91	2.50	94	2.12	95		11.5	820	.24
	Angus	49	3/25	330	81	2.29	86	1.97	88	8.44	10.5	795	.26
Laflin Bros.	Angus	50	4/7	527	105	2.64	99	2.60	116		13.0	1015	.34
Crab Orchard, Nebr.	Angus	51	4/11	480	95	2.46	92	2.29	102	9.09	13.0	885	.20
Frank Berg Kiron, Iowa	Angus	52	5/15	---	---	3.39	127	2.78	124	6.71	12.0	980	.22
Jack Todd Brunswick, Nebr.	Angus	53	5/8	550	132	2.71	101	2.53	113	8.39	13.0	910	.28
Ervin E. Bergt	Angus	64	3/4	---	---	2.43	91	2.13	95		12.0	905	.30
Shell Creek Farms	Angus	65	3/23	---	---	2.61	98	2.29	102		12.5	930	.22
Route 2	Angus	66	3/24	---	---	2.96	111	2.53	113		13.5	1025	.32
Schuyler, Nebr.	Angus	67	3/30	---	---	2.86	107	2.54	113	8.16	13.0	1015	.32

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Russ Vanderkolk	Angus	70	2/8	395	103	2.75	103	2.00	89		12.5	900	.26
Bellwood, Nebr.	Angus	71	2/12	405	105	2.50	94	1.98	88	8.30	12.0	880	.24
Russ Vanderkolk	Angus	72	5/9	440	115	3.21	120	2.53	113		12.0	910	.28
Bellwood, Nebr.	Angus	73	5/9	415	108	2.89	108	2.32	104		12.5	835	.28
	Angus	74	5/19	400	104	2.89	108	2.35	105		12.5	820	.24
	Angus	75	5/22	430	112	2.89	108	2.31	103		11.0	800	.20
	Angus	76	5/29	470	122	2.86	107	2.40	107	7.19	12.5	815	.24
	Angus	77	2/19	---	---	2.82	106	2.21	99		13.5	950	.24
	Angus	78	3/7	---	---	3.36	126	2.03	91		11.0	855	.26
	Angus	79	3/12	---	---	2.96	111	2.16	96		13.0	900	.32
	Angus	80	4/4	---	---	2.68	100	2.18	97		11.5	860	.28
	Angus	81	2/27	---	---	2.82	106	2.17	97	7.91	13.0	935	.38
William Drahota	Angus	59	2/7	409	---	2.46	92	2.00	89		12.0	900	.32
Flying D Farms	Angus	60	1/4	439	---	2.64	99	2.27	101		13.0	1100	.28
Route 3	Angus	61	2/9	429	---	2.86	107	2.33	104		13.5	1045	.34
Columbus, Nebr.	Angus	62	1/6	474	---	2.57	96	2.42	108		14.5	1165	.34
	Angus	63	2/2	444	---	2.36	88	2.04	91	8.93	12.5	930	.22
Angus Average	65 Head					2.67	100	2.24	100	8.04	12.2	881	.27
Station Average	81 Head					2.73	100	2.32	100	8.02	12.3	908	.27