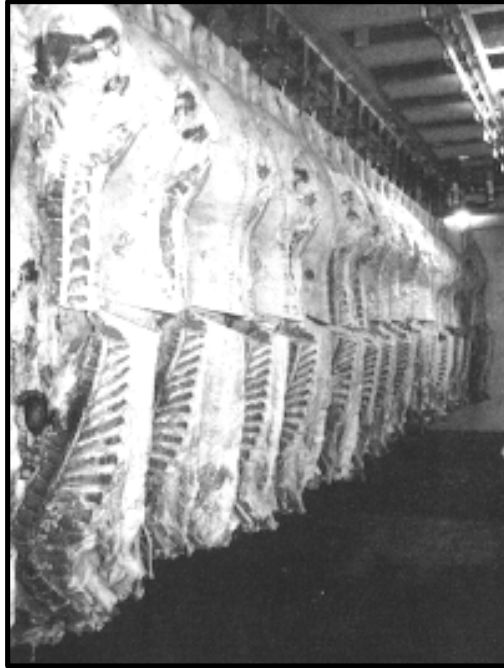


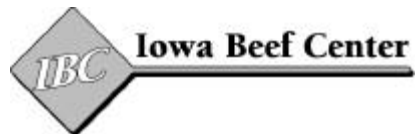
**IOWA BEEF TENDERNESS  
AND CARCASS EVALUATION PROJECT**

*August Progress Report*



**A sire progeny testing program for Iowa cattle producers.**

**Coordinated and partially funded  
by the**



**in cooperation with the  
TRI-COUNTY  
STEER CARCASS  
FUTURITY**

**1999-2000 Iowa Beef Center and Tri-County Steer Carcass Futurity Board**  
**Iowa Beef Tenderness and Carcass Evaluation Project - Chambers Feedlot**

TCSCF Tag	Producer	Sire Name	Birth Date	12/1/99				Hot				Yield Grade	% Retail Product	Marbling Score	Quality Grade	Instron Shear Force, lbs.	Shear Ratio		
				Del. Wt.	Final Wt.	On Test ADG	ADG Ratio	Carcass Wt.	Dress %	Fat Cover	Ribeye Area							% KPH	
318	Duane Warden	Ironwood Emulation T54 020	22-Mar	670	1226	3.55	108	750	61.2%	0.50	10.7	2.0	3.58	68.93	SM 10	Choice -	5.06	88	
319	Duane Warden	Ironwood Emulation T54 020	22-Mar	704	1080	2.15	65	642	59.4%	0.20	12.2	1.5	1.84	75.82	SL 20	Select -	7.24	126	
947	Duane Warden	Ironwood Emulation T54 020	8-May	512	1108	4.27	130	695	62.7%	0.45	12.4	2.5	2.80	70.02	MT 0	Choice	7.39	129	
956	Duane Warden	Ironwood Emulation T54 020	30-Mar	594	1090	3.31	101	674	61.8%	0.50	10.9	2.5	3.32	68.31	SM 20	Choice -	5.87	102	
934	Duane Warden	Ironwood Emulation T54 020	1-Apr	690	1256	3.76	114	787	62.7%	0.60	11.2	2.5	3.91	66.69	SM 20	Choice -	5.05	88	
954	Duane Warden	Ironwood Emulation T54 020	4-Apr	664	1212	3.80	115	735	60.6%	0.40	12.6	2.5	2.76	71.02	MT 0	Choice	6.18	108	
918	Duane Warden	Ironwood Emulation T54 020	28-Mar	552	1140	3.82	116	700	61.4%	0.50	11.8	2.0	3.03	69.54	SM 0	Choice -	6.05	105	
951	Duane Warden	Ironwood Emulation T54 020	25-Mar	670	1270	3.01	91	813	64.0%	0.55	12.5	2.5	3.46	68.30	SM 30	Choice	5.62	98	
962	Duane Warden	Ironwood Emulation T54 020	31-Mar	624	1170	2.62	80	726	62.1%	0.40	12.9	2.0	2.53	71.92	SM 0	Choice -	5.92	103	
				<i>Sire Average</i>	<b>631</b>	<b>1172</b>	<b>3.36</b>	<b>102.3</b>	<b>725</b>	<b>61.8%</b>	<b>0.46</b>	<b>11.9</b>	<b>2.2</b>	<b>3.03</b>	<b>70.06</b>			<b>6.04</b>	<b>105.2</b>
				<i>Sire Ratios</i>	<b>102.1</b>	<b>99.9</b>	<b>102.3</b>	<b>102.3</b>	<b>99.7</b>	<b>99.7</b>	<b>92.2</b>	<b>99.6</b>	<b>103.7</b>	<b>97.6</b>	<b>100.8</b>				
945	Duane Warden	Gardens Director 209 S2	19-Mar	530	1094	3.73	113	698	63.8%	0.40	12.4	2.5	2.68	70.91	SL 40	Select -	5.41	94	
938	Duane Warden	Gardens Director 209 S2	11-Mar	564	1076	3.24	99	685	63.7%	0.55	12.7	2.5	2.91	68.41	SL 30	Select -	5.83	101	
315	Duane Warden	Gardens Director 209 S2	14-Mar	590	1188	4.12	125	735	61.9%	0.45	11.7	2.5	3.17	69.64	MT 10	Choice	5.91	103	
929	Duane Warden	Gardens Director 209 S2	18-Mar	540	1106	3.83	116	692	62.6%	0.60	11.2	2.0	3.45	67.43	SM 20	Choice -	5.24	91	
912	Duane Warden	Gardens Director 209 S2	24-Mar	710	1276	3.82	116	799	62.6%	0.50	12.8	2.0	3.09	70.08	SL 70	Select +	6.04	105	
950	Duane Warden	Gardens Director 209 S2	16-Mar	580	1126	3.51	107	690	61.3%	0.70	11.1	2.0	3.72	65.60	SM 20	Choice -	6.21	108	
939	Duane Warden	Gardens Director 209 S2	16-Mar	646	1210	3.76	114	746	61.7%	0.60	10.6	2.5	3.94	66.37	SL 30	Select -	6.11	106	
926	Duane Warden	Gardens Director 209 S2	2-Apr	698	1198	3.14	96	736	61.4%	0.30	12.2	2.0	2.54	73.31	MT 0	Choice	5.46	95	
958	Duane Warden	Gardens Director 209 S2	11-Mar	554	1114	2.77	84	680	61.0%	0.50	11.8	2.5	3.06	68.80	MT 30	Choice	3.66	64	
933	Duane Warden	Gardens Director 209 S2	16-Mar	498	1164	3.58	109	707	60.7%	0.45	9.8	2.0	3.58	69.33	SM 10	Choice -	4.56	79	
921	Duane Warden	Gardens Director 209 S2	16-Mar	622	1268	3.39	103	791	62.4%	0.50	12.4	2.0	3.19	69.87	SM 0	Choice -	4.86	85	
923	Duane Warden	Gardens Director 209 S2	20-Mar	462	1092	3.13	95	694	63.6%	0.55	11.3	2.0	3.30	68.37	SM 20	Choice -	5.22	91	
				<i>Sire Average</i>	<b>583</b>	<b>1159</b>	<b>3.50</b>	<b>106.5</b>	<b>721</b>	<b>62.2%</b>	<b>0.51</b>	<b>11.7</b>	<b>2.2</b>	<b>3.22</b>	<b>69.01</b>			<b>5.38</b>	<b>93.6</b>
				<i>Sire Ratios</i>	<b>94.3</b>	<b>98.8</b>	<b>106.5</b>	<b>106.5</b>	<b>99.2</b>	<b>100.4</b>	<b>102.9</b>	<b>97.5</b>	<b>103.0</b>	<b>103.9</b>	<b>99.3</b>				
996	Duane Warden	Ironwood Prompter E433 314	12-Mar	552	1202	4.39	133	752	62.6%	0.50	12.2	1.5	3.00	70.49	SL 30	Select -	5.52	96	
940	Duane Warden	Ironwood Prompter E433 314	15-Mar	446	1010	2.94	89	613	60.7%	0.30	11.3	2.0	2.36	72.82	SM 10	Choice -	5.65	98	
				<i>Sire Average</i>	<b>499</b>	<b>1106</b>	<b>3.67</b>	<b>111.4</b>	<b>683</b>	<b>61.6%</b>	<b>0.40</b>	<b>11.8</b>	<b>1.8</b>	<b>2.68</b>	<b>71.65</b>			<b>5.58</b>	<b>97.2</b>
				<i>Sire Ratios</i>	<b>80.7</b>	<b>94.3</b>	<b>111.4</b>	<b>111.4</b>	<b>93.9</b>	<b>99.5</b>	<b>80.9</b>	<b>98.2</b>	<b>81.7</b>	<b>86.6</b>	<b>103.1</b>				
976	Duane Warden	Ironwood Band ND 410	20-Mar	690	1258	3.50	106	774	61.5%	0.45	12.2	2.5	3.16	69.91	SM 10	Choice -	5.33	93	
324	Duane Warden	Ironwood Band ND 410	10-May	546	1120	3.85	117	675	60.3%	0.50	11.7	2.0	2.97	69.48	SM 20	Choice -	6.41	112	
314	Duane Warden	Ironwood Band ND 410	8-Mar	702	1240	3.70	112	768	61.9%	0.30	13.8	2.0	2.15	74.19	MT 30	Choice	5.11	89	
333	Duane Warden	Ironwood Band ND 410	10-Mar	774	1220	2.86	87	742	60.8%	0.35	12.0	2.0	2.75	72.31	SL 90	Select +	6.87	120	
978	Duane Warden	Ironwood Band ND 410	22-Mar	664	1224	3.39	103	736	60.1%	0.80	12.7	2.0	3.63	64.70	SM 30	Choice -	7.72	134	
967	Duane Warden	Ironwood Band ND 410	13-Mar	748	1292	3.50	106	824	63.8%	0.55	13.0	2.0	3.25	69.31	SM 10	Choice -	5.58	97	
919	Duane Warden	Ironwood Band ND 410	20-May	610	1146	3.60	109	716	62.5%	0.40	12.2	2.0	2.72	71.53	SL 40	Select -	4.74	83	
925	Duane Warden	Ironwood Band ND 410	27-Mar	710	1240	3.33	101	810	65.3%	0.50	13.2	2.0	3.00	70.30	SM 30	Choice -	6.25	109	
999	Duane Warden	Ironwood Band ND 410	20-Mar	644	1134	3.03	92	711	62.7%	0.40	12.2	2.0	2.70	71.53	SM 20	Choice -	7.47	130	
963	Duane Warden	Ironwood Band ND 410	20-Mar	672	1186	3.36	102	766	64.6%	0.45	13.3	2.0	2.68	71.25	SM 0	Choice -	5.22	91	
1000	Duane Warden	Ironwood Band ND 410	2-Apr	596	1160	2.83	86	708	61.0%	0.35	12.3	2.0	2.53	72.48	MT 0	Choice	5.65	98	
973	Duane Warden	Ironwood Band ND 410	27-Feb	720	1162	2.26	69	741	63.8%	0.60	11.4	2.0	3.57	67.54	SM 30	Choice	5.92	103	
313	Duane Warden	Ironwood Band ND 410	20-Mar	652	1274	3.09	94	774	60.8%	0.40	11.9	2.5	3.13	70.63	SM 30	Choice	6.43	112	
				<i>Sire Average</i>	<b>671</b>	<b>1204</b>	<b>3.25</b>	<b>98.9</b>	<b>750</b>	<b>62.2%</b>	<b>0.47</b>	<b>12.5</b>	<b>2.1</b>	<b>2.94</b>	<b>70.40</b>			<b>6.05</b>	<b>105.4</b>
				<i>Sire Ratios</i>	<b>108.6</b>	<b>102.6</b>	<b>98.9</b>	<b>98.9</b>	<b>103.1</b>	<b>100.5</b>	<b>94.2</b>	<b>104.1</b>	<b>96.9</b>	<b>94.9</b>	<b>101.3</b>				

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**Iowa Beef Tenderness and Carcass Evaluation Project - Chambers Feedlot**

TCSCF Tag	Producer	Sire Name	Birth Date	12/1/99				Hot					% Retail Product	Marbling Score	Quality Grade	Instron Shear Force, lbs.	Shear Ratio	
				Del. Wt.	Final Wt.	On Test ADG	ADG Ratio	Carcass Wt.	Dress %	Fat Cover	Ribeye Area	% KPH						Yield Grade
937	Duane Warden	Ironwood Cristo 939 415	18-Mar	420	1096	3.34	102	670	61.1%	0.35	11.3	2.5	2.81	71.19	MT 0	Choice	4.89	85
979	Duane Warden	Ironwood New Design 022 701	13-May	634	1144	3.38	103	701	61.3%	0.30	10.9	1.5	2.73	73.33	SL 80	Select +	7.70	134
909	Duane Warden	Ironwood New Design 022 701	26-Apr	642	1210	3.70	112	754	62.3%	0.85	12.0	2.0	4.06	63.37	SL 50	Select +	8.49	148
975	Duane Warden	Ironwood New Design 022 701	19-May	526	1022	3.16	96	609	59.6%	0.30	10.7	2.0	2.54	72.49	SM 0	Choice -	6.71	117
908	Duane Warden	Ironwood New Design 022 701	12-May	502	1094	3.04	93	682	62.3%	0.65	9.8	2.0	3.98	65.77	SM 20	Choice -	6.71	117
		<i>Sire Average</i>		<b>576</b>	<b>1118</b>	<b>3.32</b>	<b>100.9</b>	<b>687</b>	<b>61.4%</b>	<b>0.53</b>	<b>10.9</b>	<b>1.9</b>	<b>3.33</b>	<b>68.74</b>			<b>7.40</b>	<b>128.9</b>
		<i>Sire Ratios</i>		<b>93.2</b>	<b>95.2</b>	<b>100.9</b>	<b>100.9</b>	<b>94.4</b>	<b>99.1</b>	<b>106.4</b>	<b>90.7</b>	<b>87.5</b>	<b>107.3</b>	<b>98.9</b>				
935	Duane Warden	Ironwood New Design PA 702	24-Apr	674	1272	3.87	117	799	62.8%	0.60	11.2	2.5	3.95	66.69	MT 30	Choice	6.46	112
903	Duane Warden	Ironwood New Design PA 702	3-Apr	646	1090	2.91	88	673	61.7%	0.45	11.2	2.5	3.10	69.36	MT 0	Choice	5.73	100
		<i>Sire Average</i>		<b>660</b>	<b>1181</b>	<b>3.39</b>	<b>102.9</b>	<b>736</b>	<b>62.3%</b>	<b>0.53</b>	<b>11.2</b>	<b>2.5</b>	<b>3.53</b>	<b>68.03</b>			<b>6.10</b>	<b>106.1</b>
		<i>Sire Ratios</i>		<b>106.8</b>	<b>100.7</b>	<b>102.9</b>	<b>102.9</b>	<b>101.2</b>	<b>100.5</b>	<b>106.2</b>	<b>93.6</b>	<b>116.6</b>	<b>113.7</b>	<b>97.9</b>				
906	Duane Warden	Ironwood Easy 307 714	12-May	600	1130	3.61	110	680	60.2%	0.50	11.4	2.0	3.09	69.32	SM 0	Choice -	4.90	85
904	Duane Warden	Ironwood Easy 307 714	24-Mar	610	1092	3.08	93	700	64.1%	0.60	12.9	2.0	2.93	68.36	SL 50	Select +	6.43	112
910	Duane Warden	Ironwood Easy 307 714	12-Apr	580	1090	3.31	101	688	63.1%	0.65	10.0	2.0	3.94	65.88	SM 30	Choice -	4.90	85
902	Duane Warden	Ironwood Easy 307 714	4-Apr	600	1124	3.06	93	723	64.3%	0.60	12.7	2.0	3.08	68.25	SM 10	Choice -	6.95	121
905	Duane Warden	Ironwood Easy 307 714	5-Apr	550	1202	3.23	98	726	60.4%	0.60	11.2	2.0	3.57	67.43	SM 0	Choice -	4.95	86
907	Duane Warden	Ironwood Easy 307 714	17-May	546	1202	3.48	106	729	60.6%	0.70	12.8	2.0	3.32	66.53	SM 0	Choice -	5.78	101
		<i>Sire Average</i>		<b>581</b>	<b>1140</b>	<b>3.29</b>	<b>100.1</b>	<b>708</b>	<b>62.1%</b>	<b>0.61</b>	<b>11.8</b>	<b>2.0</b>	<b>3.32</b>	<b>67.63</b>			<b>5.65</b>	<b>98.3</b>
		<i>Sire Ratios</i>		<b>94.0</b>	<b>97.2</b>	<b>100.1</b>	<b>100.1</b>	<b>97.3</b>	<b>100.3</b>	<b>123.1</b>	<b>98.9</b>	<b>93.3</b>	<b>107.2</b>	<b>97.3</b>				
321	Duane Warden	Ironwood Band 1015 5450	4-Mar	760	1308	3.73	113	839	64.1%	0.50	12.8	2.0	3.24	70.08	MD 60	Choice +	5.65	98
960	Duane Warden	Ironwood Band 1015 5450	23-Mar	732	1120	2.52	77	685	61.2%	0.45	12.3	2.0	2.69	70.70	SM 60	Choice -	6.47	113
326	Duane Warden	Ironwood Band 1015 5450	16-Mar	748	1300	3.46	105	850	65.4%	0.55	11.9	2.5	3.80	67.97	MT 40	Choice	5.73	100
325	Duane Warden	Ironwood Band 1015 5450	28-Apr	632	1138	3.03	92	677	59.5%	0.30	11.2	2.5	2.74	72.03	SM 10	Choice -	7.49	130
309	Duane Warden	Ironwood Band 1015 5450	4-Mar	718	1056	1.83	56	654	61.9%	0.35	12.3	2.0	2.32	72.48	SL 40	Select -	8.44	147
316	Duane Warden	Ironwood Band 1015 5450	31-Mar	668	1028	2.07	63	651	63.3%	0.50	11.6	2.5	3.02	68.63	SL 80	Select +	6.76	118
970	Duane Warden	Ironwood Band 1015 5450	15-Mar	670	1190	3.26	99	748	62.9%	0.50	12.4	2.5	3.12	69.13	SM 20	Choice -	5.60	97
961	Duane Warden	Ironwood Band 1015 5450	6-Apr	528	1130	2.98	91	663	58.7%	0.35	11.2	2.5	2.81	71.14	MT 80	Choice	4.29	75
310	Duane Warden	Ironwood Band 1015 5450	13-Mar	646	1226	2.93	89	745	60.8%	0.50	11.2	2.0	3.40	69.21	MT 10	Choice	5.59	97
		<i>Sire Average</i>		<b>678</b>	<b>1166</b>	<b>2.87</b>	<b>87.2</b>	<b>724</b>	<b>62.0%</b>	<b>0.44</b>	<b>11.9</b>	<b>2.3</b>	<b>3.02</b>	<b>70.15</b>			<b>6.22</b>	<b>108.3</b>
		<i>Sire Ratios</i>		<b>109.7</b>	<b>99.4</b>	<b>87.2</b>	<b>87.2</b>	<b>99.5</b>	<b>100.0</b>	<b>89.9</b>	<b>99.3</b>	<b>106.5</b>	<b>97.3</b>	<b>100.9</b>				
969	Duane Warden	Ironwood Prompter 5204 5459	24-Apr	674	1132	3.04	92	693	61.2%	0.50	11.0	2.0	3.26	69.10	MT 10	Choice	5.38	94
959	Duane Warden	Ironwood Prompter 5204 5459	4-Mar	780	1278	3.33	101	777	60.8%	0.40	12.9	2.0	2.72	71.92	MD 50	Choice +	5.16	90
994	Duane Warden	Ironwood Prompter 5204 5459	12-Apr	592	1178	3.92	119	742	63.0%	0.55	13.0	2.0	2.93	69.31	MDAB 40	Prime	6.09	106
995	Duane Warden	Ironwood Prompter 5204 5459	11-Mar	748	1406	4.22	128	857	61.0%	0.60	13.5	2.0	3.34	68.69	SM 30	Choice -	5.12	89
328	Duane Warden	Ironwood Prompter 5204 5459	21-Mar	654	1218	3.56	108	746	61.2%	0.80	13.1	2.0	3.54	64.91	MT 10	Choice	5.37	94
311	Duane Warden	Ironwood Prompter 5204 5459	18-Mar	730	1346	4.02	122	821	61.0%	0.50	13.5	2.0	2.95	70.47	SL 90	Select +	4.48	78
329	Duane Warden	Ironwood Prompter 5204 5459	20-Apr	570	1280	3.63	110	787	61.5%	0.50	12.1	2.0	3.27	69.70	MT 20	Choice	8.85	154
		<i>Sire Average</i>		<b>678</b>	<b>1263</b>	<b>3.67</b>	<b>111.6</b>	<b>775</b>	<b>61.4%</b>	<b>0.55</b>	<b>12.7</b>	<b>2.0</b>	<b>3.15</b>	<b>69.16</b>			<b>5.78</b>	<b>100.6</b>
		<i>Sire Ratios</i>		<b>109.7</b>	<b>107.6</b>	<b>111.6</b>	<b>111.6</b>	<b>106.5</b>	<b>99.1</b>	<b>111.3</b>	<b>106.4</b>	<b>93.3</b>	<b>101.5</b>	<b>99.5</b>				
332	Duane Warden	Ironwood Ambush PSS5468	20-Mar	644	1150	3.16	96	685	59.6%	0.55	11.4	2.5	3.33	67.69	SL 60	Select +	8.13	141
982	Duane Warden	Ironwood Ambush PSS5468	11-Mar	686	1168	3.06	93	738	63.2%	0.70	12.5	2.5	3.55	65.63	SM 50	Choice -	7.64	133

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				Del. Wt.	Final Wt.	On Test ADG	ADG Ratio	Carcass Wt.	Dress %	Fat Cover	Ribeye Area							% KPH
920	Duane Warden	Ironwood Ambush PSS5468	11-Apr	636	1186	3.56	108	741	62.5%	0.50	13.3	3.0	2.91	68.89	MT 0	Choice	6.00	104
323	Duane Warden	Ironwood Ambush PSS5468	21-May	484	1002	2.45	74	592	59.1%	0.20	10.2	2.0	2.39	73.99	SM 0	Choice -	4.42	77
997	Duane Warden	Ironwood Ambush PSS5468	3-Mar	706	1154	2.27	69	680	58.9%	0.45	10.7	2.0	3.19	69.82	SL 50	Select +	9.36	163
957	Duane Warden	Ironwood Ambush PSS5468	14-Apr	552	1234	3.47	105	734	59.5%	0.55	12.5	2.0	3.06	69.03	MD 10	Choice +	4.78	83
941	Duane Warden	Ironwood Ambush PSS5468	10-Mar	548	1148	3.52	107	695	60.5%	0.55	11.0	2.0	3.40	68.21	SM 20	Choice -	4.38	76
931	Duane Warden	Ironwood Ambush PSS5468	19-Mar	558	1216	3.29	100	752	61.8%	0.40	11.2	2.5	3.27	70.25	SM 0	Choice -	5.33	93
915	Duane Warden	Ironwood Ambush PSS5468	18-Mar	468	1124	3.19	97	692	61.6%	0.40	10.4	2.0	3.20	70.55	SM 20	Choice	6.18	108
		<i>Sire Average</i>		<b>587</b>	<b>1154</b>	<b>3.11</b>	<b>94.5</b>	<b>701</b>	<b>60.7%</b>	<b>0.48</b>	<b>11.5</b>	<b>2.3</b>	<b>3.14</b>	<b>69.34</b>			<b>6.25</b>	<b>108.7</b>
		<i>Sire Ratios</i>		<b>94.9</b>	<b>98.3</b>	<b>94.5</b>	<b>94.5</b>	<b>96.4</b>	<b>98.0</b>	<b>96.7</b>	<b>95.9</b>	<b>106.3</b>	<b>101.5</b>	<b>99.7</b>				
971	Duane Warden	Ironwood Cristo 5204 6370	22-Mar	692	1196	3.46	105	746	62.4%	0.60	12.7	2.0	3.17	68.25	SM 20	Choice -	4.38	76
930	Duane Warden	Ironwood Cristo 5204 6370	9-Mar	670	1070	2.37	72	697	65.1%	0.30	13.4	2.0	2.01	73.97	SM 40	Choice -	7.36	128
972	Duane Warden	Ironwood Cristo 5204 6370	2-Mar	564	1104	2.82	86	674	61.1%	0.50	13.5	2.0	2.39	70.47	MT 0	Choice	4.44	77
320	Duane Warden	Ironwood Cristo 5204 6370	6-Apr	514	1090	2.86	87	699	64.1%	0.80	11.2	2.0	3.97	63.87	MT 80	Choice	5.06	88
		<i>Sire Average</i>		<b>610</b>	<b>1115</b>	<b>2.88</b>	<b>87.5</b>	<b>704</b>	<b>63.2%</b>	<b>0.55</b>	<b>12.7</b>	<b>2.0</b>	<b>2.89</b>	<b>69.14</b>			<b>5.31</b>	<b>92.4</b>
		<i>Sire Ratios</i>		<b>98.7</b>	<b>95.0</b>	<b>87.5</b>	<b>87.5</b>	<b>96.8</b>	<b>102.0</b>	<b>111.3</b>	<b>106.2</b>	<b>93.3</b>	<b>93.1</b>	<b>99.5</b>				
330	Duane Warden	Ironwood Director 672 6490	5-Apr	678	1194	3.06	93	763	63.9%	0.45	11.5	2.0	3.24	70.26	SM 30	Choice -	7.15	125
964	Duane Warden	Ironwood Director 672 6490	25-Mar	612	1070	3.13	95	659	61.6%	0.50	12.2	2.0	2.75	69.76	SL 70	Select +	4.69	82
965	Duane Warden	Ironwood Director 672 6490	27-Mar	738	1254	3.31	101	796	63.5%	0.45	11.8	2.0	3.27	70.43	SM 40	Choice -	6.88	120
317	Duane Warden	Ironwood Director 672 6490	29-Mar	670	1130	2.82	86	707	62.6%	0.35	12.8	2.0	2.37	72.75	SL 30	Select -	6.79	118
312	Duane Warden	Ironwood Director 672 6490	27-Mar	742	1294	3.60	109	833	64.4%	0.70	13.2	2.5	3.69	66.01	SL 70	Select +	6.57	114
932	Duane Warden	Ironwood Director 672 6490	24-Mar	714	1328	3.95	120	824	62.0%	0.60	12.1	2.5	3.76	67.19	MT 0	Choice	4.44	77
		<i>Sire Average</i>		<b>692</b>	<b>1212</b>	<b>3.31</b>	<b>100.6</b>	<b>764</b>	<b>63.0%</b>	<b>0.51</b>	<b>12.3</b>	<b>2.2</b>	<b>3.18</b>	<b>69.40</b>			<b>6.09</b>	<b>105.9</b>
		<i>Sire Ratios</i>		<b>112.0</b>	<b>103.3</b>	<b>100.6</b>	<b>100.6</b>	<b>105.0</b>	<b>101.7</b>	<b>102.9</b>	<b>102.6</b>	<b>101.1</b>	<b>102.6</b>	<b>99.8</b>				
986	Bill Pellett	Bonus J Band 622	8-Apr	602	1114	3.24	99	704	63.2%	0.50	12.1	2.5	3.05	68.97	SM 30	Choice -	5.32	93
985	Bill Pellett	Bonus J Band 622	3-Apr	634	1088	3.11	95	684	62.9%	0.30	12.7	2.0	2.19	73.59	SL 50	Select +	5.76	100
987	Bill Pellett	Bonus J Band 622	7-Apr	676	1322	4.24	129	845	63.9%	0.70	12.1	2.0	3.99	66.14	SM 20	Choice -	3.86	67
983	Bill Pellett	Bonus J Band 622	9-Apr	678	1300	3.23	98	803	61.8%	0.55	12.6	2.0	3.29	69.09	SM 10	Choice -	4.66	81
984	Bill Pellett	Bonus J Band 622	29-Mar	680	1236	2.84	86	768	62.1%	0.45	13.2	2.0	2.72	71.19	SM 30	Choice	5.08	88
		<i>Sire Average</i>		<b>654</b>	<b>1212</b>	<b>3.33</b>	<b>101.3</b>	<b>761</b>	<b>62.8%</b>	<b>0.50</b>	<b>12.5</b>	<b>2.1</b>	<b>3.05</b>	<b>69.79</b>			<b>4.93</b>	<b>85.9</b>
		<i>Sire Ratios</i>		<b>105.8</b>	<b>103.3</b>	<b>101.3</b>	<b>101.3</b>	<b>104.6</b>	<b>101.3</b>	<b>101.2</b>	<b>104.8</b>	<b>98.0</b>	<b>98.4</b>	<b>100.4</b>				
989	Bill Pellett	Hodge Redefine 68	15-Jan	770	1214	2.74	83	754	62.1%	0.60	11.1	2.0	3.71	67.37	MT 0	Choice	5.45	95
990	Bill Pellett	Hodge Redefine 68	15-Jan	812	1344	3.70	112	875	65.1%	0.70	13.6	2.5	3.72	66.23	SM 20	Choice -	6.60	115
988	Bill Pellett	Hodge Redefine 68	15-Jan	756	1150	2.39	73	734	63.8%	0.45	12.2	2.0	2.91	70.64	SL 70	Select +	6.11	106
992	Bill Pellett	Hodge Redefine 68	15-Jan	720	1216	3.03	92	782	64.3%	0.40	11.9	2.0	3.06	71.37	MT 20	Choice	3.87	67
991	Bill Pellett	Hodge Redefine 68	15-Jan	758	1188	2.79	85	751	63.2%	0.90	10.9	2.5	4.62	61.20	SM 80	Choice -	5.96	104
		<i>Sire Average</i>		<b>763</b>	<b>1222</b>	<b>2.93</b>	<b>89.0</b>	<b>779</b>	<b>63.7%</b>	<b>0.61</b>	<b>11.9</b>	<b>2.2</b>	<b>3.61</b>	<b>67.36</b>			<b>5.60</b>	<b>97.4</b>
		<i>Sire Ratios</i>		<b>123.4</b>	<b>104.2</b>	<b>89.0</b>	<b>89.0</b>	<b>107.2</b>	<b>102.8</b>	<b>123.4</b>	<b>99.8</b>	<b>102.7</b>	<b>116.3</b>	<b>96.9</b>				
952	Duane Warden	Unknown	9-Mar	660	1176	3.16	96	691	58.8%	0.30	12.8	2.5	2.28	72.91	SL 20	Select -	5.36	93
949	Duane Warden	Unknown		548	1092	4.03	123	659	60.3%	0.50	10.7	2.0	3.23	68.93	SL 40	Select -	4.45	77
966	Duane Warden	Unknown	10-Mar	556	1204	4.32	131	751	62.4%	0.50	12.9	2.5	2.98	69.40	SM 30	Choice -	5.25	91
998	Duane Warden	Unknown	10-Feb	762	1232	3.03	92	773	62.7%	0.40	12.4	1.5	2.77	72.38	SL 50	Select +	6.02	105
911	Duane Warden	Unknown	19-Feb	698	1200	3.28	100	774	64.5%	0.60	13.3	2.0	3.09	68.58	MT 30	Choice	5.25	91
955	Duane Warden	Unknown	20-Mar	554	1142	4.17	127	687	60.2%	0.50	12.1	1.5	2.79	70.44	SL 60	Select +	6.29	110

**1999-2000 Iowa Beef Center and Tri-County Steer Carcass Futurity Board**  
**Iowa Beef Tenderness and Carcass Evaluation Project - Chambers Feedlot**

TCSCF Tag	Producer	Sire Name	12/1/99 Birth Date	Final Del. Wt.	On Test Wt.	ADG ADG	ADG Ratio	Hot					Yield Grade	% Retail Product	Marbling Score	Quality Grade	Instron Shear Force, lbs.	Shear Ratio	
								Carcass Wt.	Dress %	Fat Cover	Ribeye Area	% KPH							
327	Duane Warden	Unknown	10-Feb	784	1274	3.21	98	787	61.8%	0.40	13.3	2.5	2.73	71.40	SM 20	Choice -	5.55	97	
943	Duane Warden	Unknown	16-Mar	632	1172	3.71	113	726	61.9%	0.55	12.2	2.0	3.13	68.87	SM 50	Choice -	6.40	111	
993	Duane Warden	Unknown	19-Mar	480	1146	3.20	97	720	62.8%	0.60	12.8	2.0	3.04	68.31	SM 0	Choice -	4.33	75	
946	Duane Warden	Unknown	21-Mar	540	1176	3.40	103	714	60.7%	0.50	11.6	2.5	3.25	68.69	SM 0	Choice -	4.99	87	
914	Duane Warden	Unknown	23-Mar	456	1178	3.78	115	708	60.1%	0.50	11.6	2.0	3.12	69.44	SM 10	Choice -	5.18	90	
980	Duane Warden	Unknown	15-Mar	522	1146	3.40	103	687	59.9%	0.55	10.8	2.0	3.43	68.10	SM 0	Choice -	5.83	101	
974	Duane Warden	Unknown	24-Mar	494	1178	3.44	105	762	64.7%	0.35	12.9	2.0	2.54	72.81	SM 0	Choice -	4.25	74	
924	Duane Warden	Unknown	15-Mar	530	1088	3.30	100	661	60.8%	0.50	10.6	2.0	3.27	68.88	SM 0	Choice -	4.74	82	
981	Duane Warden	Unknown	18-Mar	460	1048	2.80	85	648	61.8%	0.30	10.8	2.5	2.76	71.81	SM 20	Choice -	4.38	76	
948	Duane Warden	Unknown	25-Mar	504	1112	3.12	95	690	62.1%	0.45	11.2	2.0	3.06	70.10	SM 0	Choice -	6.29	109	
928	Duane Warden	Unknown	15-Mar	522	1124	3.01	91	682	60.7%	0.50	11.5	2.0	3.06	69.37	SM 20	Choice -	5.81	101	
942	Duane Warden	Unknown	9-Mar	524	1160	3.33	101	728	62.8%	0.45	11.6	2.0	3.08	70.32	SM 10	Choice -	5.12	89	
917	Duane Warden	Unknown	20-Mar	484	1110	3.32	101	695	62.6%	0.45	11.2	2.5	3.18	69.36	SM 20	Choice -	3.86	67	
936	Duane Warden	Unknown	15-Mar	556	1168	3.07	93	685	58.6%	0.30	11.4	2.0	2.61	72.87	SL 60	Select +	5.89	102	
913	Duane Warden	Unknown	24-Mar	552	1180	3.22	98	718	60.8%	0.30	12.6	2.5	2.45	72.80	SM 40	Choice -	5.83	102	
953	Duane Warden	Unknown	15-Mar	510	1112	2.99	91	706	63.5%	0.50	11.4	2.5	3.28	68.58	SM 20	Choice -	4.75	83	
916	Duane Warden	Unknown	25-Mar	460	1144	3.32	101	698	61.0%	0.55	11.3	2.0	3.31	68.37	SM 30	Choice -	5.05	88	
922	Duane Warden	Unknown	20-Mar	510	1074	2.96	90	659	61.4%	0.60	10.2	2.5	3.74	66.15	SM 0	Choice -	4.78	83	
927	Duane Warden	Unknown	15-Mar	530	1268	3.68	112	758	59.8%	0.50	13.5	2.0	2.71	70.47	SM 0	Choice -	5.61	98	
				<i>Sire Average</i>	<i>553</i>	<i>1156</i>	<i>3.37</i>	<i>102.4</i>	<i>711</i>	<i>61.5%</i>	<i>0.47</i>	<i>11.9</i>	<i>2.1</i>	<i>3.00</i>	<i>69.97</i>			<i>5.25</i>	<i>91.4</i>
				<i>Sire Ratios</i>	<i>89.5</i>	<i>98.5</i>	<i>102.4</i>	<i>102.4</i>	<i>97.7</i>	<i>99.2</i>	<i>94.3</i>	<i>99.2</i>	<i>99.9</i>	<i>96.6</i>	<i>100.7</i>				
				<i>Test Average</i>	<i>618</i>	<i>1173</i>	<i>3.29</i>	<i>100</i>	<i>727</i>	<i>62.0%</i>	<i>0.49</i>	<i>12.0</i>	<i>2.1</i>	<i>3.10</i>	<i>69.52</i>			<i>5.75</i>	<i>100.0</i>