

IOWA STATE FAIR 4-H CHAMPION LIVESTOCK 1993 to 2017

MARKET BEEF SHOW

Year	Live Weight	Hot Carcass Weight	Rib Eye Area	12th Rib Fat Cover	% KPH Fat	Calc. Yield Grade	USDA Quality Grade
Champion Steers							
1993	1250	823	16.4	0.35	2.0	1.7	Se+
1994	1325	853	17.1	0.15	1.5	0.9	Se-
1995	1247	789	13.2	0.40	2.5	2.8	Ch+
1996	1325	829	14.0	0.20	2.5	2.2	Ch-
1997	1304	859	13.5	0.35	3.5	3.0	Ch-
1998	1257	818	14.5	0.40	3.0	2.7	Ch-
1999	1306	884	17.2	0.35	3.5	2.2	Ch-
2000	1333	903	14.4	0.60	2.5	3.3	Ch+
2001	1260	837	16.8	0.32	2.0	1.5	Se-
2002	1342	902	15.1	0.40	2.5	2.6	Ch-
2003	1279	839	13.9	0.50	2.5	3.1	Ch
2004	1290	835	13.5	0.70	3.0	3.7	Pr-
2005	1305	846	14.7	0.50	2.5	2.8	Ch-
2006	1305	874	17.9	0.35	3.0	1.6	Se+
2007	1325	875	13.1	0.65	3.0	3.9	Ch-
2008	1310	895	16.0	0.50	3.5	2.7	Ch
2009	1327	884	15.2	0.62	3.5	2.7	Ch
2010	1320	873	15.8	0.50	3.0	2.7	Ch
2011	1325	893	15.3	0.70	2.0	3	Ch
2012	1316	860	14.6	0.60	3.0	3.2	Ch
2013	1316	849	14.6	0.50	3.5	3.0	Ch-
2014	1335	858	13.8	0.75	3.0	3.8	Ch
2015	1369	827	17.6	0.40	2.0	1.5	Ch-
2016	1318	846	14	0.60	3.0	3.3	Ch
2017	<u>1320</u>	<u>860</u>	<u>15.9</u>	<u>0.30</u>	<u>2.5</u>	<u>1.9</u>	<u>Ch-</u>
Averages	1308	856	15.1	0.47	2.7	2.6	68% Ch- or better

Reserve Champion Steers

1993	1270	819	15.4	0.30	2.0	1.8	Ch-
1994	1297	825	16.2	0.30	2.5	1.7	Se+
1995	1188	777	14.9	0.20	2.0	1.6	Se+
1996	1156	729	13.9	0.25	2.0	1.9	Se+
1997	1215	797	13.6	0.25	3.0	2.4	Ch-
1998	1211	776	15.0	0.25	3.0	2.0	Ch-
1999	1246	827	15.9	0.35	2.5	2.2	Ch-
2000	1307	862	15.4	0.35	2.0	2.1	Se+
2001	1235	812	16.6	0.44	1.5	1.7	Ch-
2002	1300	877	15.8	0.45	1.5	2.2	Ch-
2003	1281	854	16.8	0.50	2.5	2.3	Ch
2004	1280	845	12.6	0.55	2.5	3.6	Ch
2005	1315	866	14.5	0.40	3.5	2.9	Ch-
2006	1295	851	14.0	0.45	2.5	2.9	Ch
2007	1320	866	16.9	0.30	2.5	1.6	Ch-
2008	1305	849	14.7	0.55	2.5	2.9	Ch
2009	1320	855	14.5	0.50	3.5	3.1	Ch-
2010	1320	870	17.1	0.45	3.0	2.5	Ch
2011	1330	828	12.7	0.35	0.5	2.6	Ch-
2012	1336	911	16.6	0.28	2.0	1.8	Ch-
2013	1298	842	13.8	0.70	3.0	3.6	Ch
2014	1340	867	13.3	0.70	3.0	3.9	Ch+
2015	1338	889	14.8	0.50	2.0	2.4	Ch-
2016	1318	861	13.4	0.80	3.5	4.2	Ch-
2017	<u>1320</u>	<u>827</u>	<u>16.2</u>	<u>0.25</u>	<u>2.0</u>	<u>1.5</u>	<u>Ch+</u>
Averages	1286	839	15.0	0.42	2.4	2.5	74% Ch- or better

MARKET BEEF SHOW

Year	Live Weight	Hot Carcass Weight	Rib Eye Area	12th Rib Fat Cover	% KPH Fat	Calc. Yield Grade	USDA Quality Grade
Champion Heifers							
1993	1240	819	14.0	0.35	2.0	2.4	Se+
1994	1180	758	14.2	0.30	3.0	2.2	Ch-
1995	1275	844	15.5	0.35	2.0	2.0	Ch-
1996	1240	772	15.2	0.30	2.0	1.7	Ch-
1997	1227	777	13.4	0.30	2.0	2.3	Se-
1998	1153	747	13.8	0.35	2.0	2.4	Ch-
1999	1230	829	15.4	0.50	3.5	2.9	Ch-
2000	1254	861	14.2	0.40	3.5	3.0	Ch-
2001	1235	777	12.8	0.52	3.0	3.3	Ch-
2002	1310	857	13.1	0.45	2.0	3.1	Ch-
2003	1210	757	17.1	0.30	2.5	1.4	Ch-
2004	1245	838	15.3	0.50	3.0	2.6	Se+
2005	1280	810	14.1	0.80	3.0	3.7	Ch
2006	1265	786	13.0	0.48	2.0	2.9	Se+
2007	1285	821	19.5	0.44	3.0	1.1	Ch-
2008	1250	755	12.5	0.42	3.0	3.0	Pr-
2009	1320	875	14.4	0.60	3.5	3.4	Ch+
2010	1305	849	15.9	0.25	2.5	1.8	Se+
2011	1285	811	15.0	0.50	3.0	2.6	Se-
2012	1290	785	14.5	0.50	3.5	2.8	Ch
2013	1310	817	13.8	0.50	2.5	2.9	Ch
2014	1265	785	12.9	0.30	2.5	2.6	Pr-
2015	1267	810	15.2	0.60	2.5	2.8	Ch
2016	1300	815	13.9	0.50	2.5	2.9	Ch-
2017	<u>1220</u>	<u>733</u>	<u>13.6</u>	<u>0.40</u>	<u>2.5</u>	<u>2.4</u>	<u>Ch-</u>
Averages	1259	806	14.5	0.44	2.7	2.6	68% Ch- or better
Reserve Champion Heifers							
1993	1130	750	14.4	0.40	2.5	2.2	Ch-
1994	1260	834	15.2	0.40	2.5	2.3	Ch-
1995	1208	770	14.9	0.20	2.0	1.6	Se
1996	1182	780	18.0	0.40	2.5	1.2	Ch-
1997	1166	755	14.0	0.30	2.0	2.0	Se-
1998	1168	763	14.0	0.40	3.5	3.0	Ch-
1999	1157	756	14.6	0.35	3.0	2.6	Ch-
2000	1194	783	16.3	0.40	3.5	2.0	Ch-
2001	1220	772	14.3	0.48	2.5	2.5	Ch
2002	1153	760	14.3	0.40	2.5	2.3	Ch+
2003	1193	776	13.5	0.40	3.0	2.9	Ch+
2004	1160	729	11.8	0.40	2.5	3.0	Ch+
2005	1285	785	14.4	0.50	2.0	2.5	Ch+
2006	1295	793	12.8	0.30	2.5	2.7	Ch
2007	1265	787	15.0	0.42	2.5	2.2	Ch-
2008	1295	863	16.8	0.60	3.0	2.5	Ch-
2009	1233	847	15.8	0.60	3.0	2.5	Ch-
2010	1285	818	14.2	0.45	3.0	2.8	Ch
2011	1300	774	12.0	0.60	2.5	3.6	Ch+
2012	1288	843	14.0	0.42	2.5	2.8	Ch-
2013	1264	788	15.0	0.40	2.0	2.0	Ch-
2014	1265	791	12.5	0.75	2.5	3.9	Ch-
2015	1299	862	15.9	0.45	2.5	2.4	Ch-
2016	1186	758	14.0	0.30	2.0	2.1	Ch-
2017	<u>1280</u>	<u>821</u>	<u>13.5</u>	<u>0.65</u>	<u>3.0</u>	<u>3.5</u>	<u>Pr-</u>
Averages	1229.24	790	14.4	0.44	2.6	2.5	83% Ch- or better

Carcass Data collected by Dr. Steven Lonergan and Dr. Ed Steadham. Graduate Students: Amanda Outhouse, Brian Patterson, and Michael Cropp.

MARKET SWINE SHOW

<u>Year</u>	<u>Live Weight</u>	<u>Hot Carcass Weight</u>	<u>Loin Eye Area</u>	<u>10th Rib Fat</u>	<u>Length</u>	<u>% Lean of Carcass Wt.</u>
Champion Pigs						
1993	256	197.0	6.4	0.95	31.7	50.9
1994	272	204.0	6.3	1.00	32.6	50.5
1995	274	203.1	7.3	0.40	32.0	59.3
1996	236	174.8	6.7	0.60	31.9	56.3
1997	277	209.9	9.0	0.65	34.2	58.0
1998	278	211.5	9.3	0.25	31.8	61.9
1999	259	196.0	7.3	0.45	31.8	62.0
2000	277	225.0	9.0	0.50	33.1	57.4
2001	270	214.2	7.6	0.40	33.7	57.1
2002	266	212.6	10.4	0.30	33.3	62.2
2003	297	232.4	9.0	0.50	32.3	57.1
2004	256	211.4	8.3	0.50	32.5	57.6
2005	263	210.8	8.9	0.55	33.6	57.5
2006	261	199.6	8.1	0.50	31.3	57.4
2008	258	205.0	9.6	0.65	31.0	57.8
2010	277	216.8	7.7	0.50	32.5	56.1
2012	274	225.2	11.1	0.90	30.5	56.4
2013	275	218.0	9.6	0.65	31.9	57.1
2014	266	210.2	7.6	1.00	30.0	51.0
2015	267	219.0	8.8	0.90	30.0	53.5
2016	278	221.8	8.0	0.80	32.0	53.3
2017	<u>286</u>	<u>232.2</u>	<u>9.0</u>	<u>0.80</u>	<u>30.4</u>	<u>54.3</u>
Averages	279	218.4	8.7	0.65	32.6	56.5

Reserve Champion Pigs

1993	265	197.0	6.7	0.85	33.5	52.5
1994	279	215.6	7.4	0.90	34.0	53.8
1995	270	199.2	7.1	0.60	33.5	56.8
1996	270	196.5	6.8	0.60	33.0	55.1
1997	244	191.3	7.2	0.50	32.9	57.2
1998	255	193.1	9.2	0.30	31.3	63.0
1999	292	218.0	7.0	0.60	33.9	59.5
2000	283	224.0	7.9	0.65	34.8	54.5
2001	261	218.2	7.6	0.60	32.7	54.9
2002	302	231.2	9.8	0.40	35.0	59.2
2003	294	232.0	9.1	0.60	33.5	56.3
2004	279	230.8	10.1	0.45	32.6	
2005	264	213.0	9.5	0.55	32.3	58.2
2006	269	226.4	8.6	0.72	32.8	54.7
2007	270	205.0	9.0	0.50	31.4	58.5
2008	250	201.0	9.8	0.48	30.9	60.2
2009	260	213.6	10.2	0.58	31.0	58.9
2010	260	216.2	9.4	0.55	32.0	58.0
2011	280	234.6	9.0	1.10	31.0	53.1
2012	284	227.4	9.5	0.70	31.6	56.1
2013	273	216.6	9.0	0.65	30.1	56.4
2014	265	210.0	8.7	0.75	30.5	55.2
2015	268	210.0	8.7	0.70	29.5	55.7
2016	277	223.4	8.4	0.80	30.5	53.8
2017	<u>279</u>	<u>215.2</u>	<u>7.4</u>	<u>0.95</u>	<u>30.0</u>	<u>51.2</u>
Averages	282	220	8.7	0.65	32.7	56.3

MARKET LAMB SHOW

	Live	Hot Carcass	Loin Eye	Fat	Leg	Calc. Yield	USDA
Champion Lambs							
1993	122	73.5	2.9	0.15	Pr-	1.9	Ch+
1994	136	74.4	3.8	0.10	Pr+	1.4	Ch+
1995	130	71.0	3.1	0.06	Pr	1.0	Ch-
1996	135	70.5	3.1	0.05	Pr+	1.0	Ch+
1997	123	68.1	2.9	0.10	Pr+	1.4	Ch+
1998	126	72.4	2.3	0.15	Pr-	1.9	Pr-
1999	125	70.9	2.7	0.15	Pr-	1.9	Pr-
2000	142	86.9	3.5	0.20	Pr	2.4	Ch+
2001	132	77.1	3.2	0.20	Ch+	2.4	Ch
2002	<u>Not sold and slaughtered</u>						
2003	137	75.9	2.9	0.19	Pr+	2.3	Ch+
2004	151	90.6	3.6	0.30	Pr-	3.4	Ch+
2005	141	84.2	3.1	0.22	Pr	2.6	Ch+
2006	135	80.6	3.4	0.18	Pr	2.2	Ch+
2007	145.5	91.0	3.2	0.13	Pr-	1.7	Ch+
2008	125	71.0	3.0	0.25	Pr	2.9	Ch+
2009	139	84.8	3.1	0.22	Pr+	2.6	Ch+
2010	138.5	88.8	4.0	0.18	Pr-	2.2	Ch+
2011	141.5	85.2	3.1	0.12	Pr	1.6	Ch+
2012	144.5	93.6	3.2	0.25	Pr+	2.9	Ch+
2013	154	91.2	4.1	0.10	Pr+	1.4	Ch+
2014	148	87.0	3.5	0.20	Pr-	2.4	Ch+
2015	140	86.0	3.7	0.20	Pr+	2.4	Ch+
2016	142	88.8	3.6	0.20	Pr+	2.4	Pr
2017	<u>149</u>	<u>93.8</u>	<u>4.6</u>	<u>0.17</u>	<u>Pr±</u>	<u>2.1</u>	<u>Pr</u>
Averages	138	81.6	3.3	0.17	94% Pr	2.1	89% Ch+ or better

Reserve Champion Lambs

1993	125	69.9	2.9	0.20	Pr-	2.4	Pr
1994	116	64.8	3.0	0.22	Pr-	2.6	Ch+
1995	121	69.4	3.4	0.08	Pr+	1.2	Ch-
1996	130	71.4	3.0	0.05	Pr+	1.0	Ch+
1997	126	70.5	2.8	0.10	Pr°	1.4	Ch+
1998	120	66.8	2.8	0.10	Pr°	1.4	Ch+
1999	112	62.9	2.4	0.20	Ch+	2.4	Ch+
2000	137	79.3	3.0	0.25	Ch+	2.9	Cho
2001	120	74.3	3.2	0.15	Pr	1.9	Ch+
2002	<u>Not sold and slaughtered</u>						
2003	144	80.2	3.5	0.08	Pr-	1.2	Ch+
2004	127	76.8	3.6	0.12	Pr-	1.6	Ch+
2005	133	78.6	2.8	0.23	Pr-	2.7	Ch+
2006	139.5	88.8	3.9	0.12	Pr+	1.6	Ch+
2007	156	96.2	3.6	0.10	Pr+	1.4	Pr
2008	120.5	77.4	3.2	0.24	Pr+	2.8	Ch+
2009	126.5	75.6	2.6	0.30	Pr-	3.4	Ch+
2010	126.5	83	3.6	0.20	Pr-	2.4	Ch+
2011	155	97.4	3.6	0.25	Pr+	2.9	Pr
2012	144.5	87.6	3.9	0.20	Pr	2.4	Ch+
2013	136.5	81.4	3.7	0.17	Pr	2.1	Ch+
2014	145.5	87.6	3.7	0.15	Pr	1.9	Ch+
2015	140	80.8	4.3	0.27	Pr-	3.1	Ch+
2016	<u>138</u>	<u>85.6</u>	<u>3.7</u>	<u>0.20</u>	<u>Pr±</u>	<u>2.4</u>	<u>Ch±</u>
2017	<u>131</u>	<u>83.4</u>	<u>3.6</u>	<u>0.23</u>	<u>Pr</u>	<u>2.7</u>	<u>Ch±</u>
Averages	132	78.7	3.3	0.18	89% Pr	2.2	89% Ch+ or better

Carcass Data on 2017 Iowa State Fair Youth Champion Livestock

1.	4-H Grand Champion Steer Tag Number: 4644 Fair Weight: 1320 lbs. Hot Carcass Weight: 859.8 lbs. Rib Eye Area: 15.9 sq. in. Fat Cover: .30"	Owner: Logan Mc Crea County: Mahaska % Kidney, Pelvic Heart Fat: 2.5% Yield Grade: 1.9 Quality Grade: Low Choice
2.	4-H Reserve Champion Steer Tag #: 42 JJ0102 Fair Weight: 1320 lbs. Hot Carcass Weight: 827.0 lbs. Rib Eye Area: 16.2 sq. in. Fat Cover: .25"	Owner: Joe Herr County: Adair % Kidney, Pelvic Heart Fat: 2.0% Yield Grade: 1.5 Quality Grade: High Choice
3.	4-H Champion Market Heifer Tag #: 42 JJR0777 Fair Weight: 1220 lbs. Hot Carcass Weight: 732.8 lbs. Rib Eye Area: 13.6 sq. in. Fat Cover: .40"	Owner: Hunter Lock County: Jefferson % Kidney, Pelvic, Heart Fat: 2.5% Yield Grade: 2.4 Quality Grade: Low Choice
4.	4-H Reserve Champion Market Heifer Tag #: JJP 1211 Fair Weight: 1280 lbs. Hot Carcass Weight: 821.4 lbs. Rib Eye Area: 13.5 sq. in. Fat Cover: .65"	Owner: Kade Killmer County: Dallas % Kidney, Pelvic Heart Fat: 3.0% Yield Grade: 3.5 Quality Grade: Low Prime
5.	4-H Champion Market Lamb Tag #: JJN1946 Fair Weight: 149 lbs. Hot Carcass Weight: 93.8 lbs. Rib Eye Area: 4.55 sq. in. Fat Cover: .17"	Owner: Brooke Kuesel County: Poweshiek Leg Score: 15 Yield Grade: 2.1 Quality Grade: Average Prime
6.	4-H Reserve Champion Market Lamb Tag #: 8515 Fair Weight: 131 lbs. Hot Carcass Weight: 83.4 lbs. Rib Eye Area: 3.60 sq. in. Fat Cover: .23"	Owner: Colby Williams County: Winneshiek Leg Score: 14 Yield Grade: 2.7 Quality Grade: High Choice
7.	FFA Champion Market Lamb Tag #: 11020 Fair Weight: 140 lbs. Hot Carcass Weight: 84.6 lbs. Rib Eye Area: 3.60 sq. in. Fat Cover: .29"	Owner: Kylee Silliman Oskaloosa FFA Leg Score: 13 Yield Grade: 3.3 Quality: High Choice
8.	FFA Reserve Champion Market Lamb Tag #: 2141 Live Weight: 138 lbs. Hot Carcass Weight: 91.0 lbs. Rib Eye Area: 4.0 sq. in. Fat Cover: .26"	Owner: Zac Howell Columbus FFA Leg Score: 15 Yield Grade: 3.0 Quality Grade: High Choice

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9.	4-H Champion Market Hog Tag #: 7314 Fair Weight: 286 lbs. Hot Carcass Weight: 232.2 lbs. Loin Eye Area: 9.0 sq. in. 10th Rib Fat: .80" Length: 30.4"	Owner: Maxwell Lodge County: Cedar % Fat Free Lean: 54.3% pH: 5.59 Hunter L Score: 55.7
10.	4-H Reserve Champion Market Hog Tag #: 2887 Fair Weight: 279 lbs. Hot Carcass Weight: 215.2 lbs. Loin Eye Area: 7.4 sq. in. 10th Rib Fat: .95" Length: 30.0"	Owner: Drew Jacobson County: Clarke % Fat Free Lean: 51.2% pH: 5.45 Hunter L Score: 48.1
11.	FFA Champion Market Hog Tag #: 1722 Live Weight: 284 lbs. Hot Carcass Weight: 232.0 lbs. Loin Eye Area: 10.2 sq. in. 10th Rib Fat: 0.85" Length: 32.0"	Owner: Kale Boysen Wapello FFA % Fat Free Lean: 55.3% pH: 5.45 Hunter L Score: 49.4
12.	FFA Reserve Champion Market Hog Tag #: 9804 Live Weight: 258 lbs. Hot Carcass Weight: 207.4 lbs. Loin Eye Area: 7.9 sq. in. 10th Rib Fat: .60" Length: 30.8"	Owner: Sage Becker Mid-Prairie FFA % Fat Free Lean: 55.7% pH: 5.44 Hunter L Score: 49.2
13.	4-H Champion Market Meat Goat ^a Tag #: JJS 4832 Live Weight: 87 lbs. Hot Carcass Weight: 52.0 lbs. KPH: 1.5% Fat Cover: 1	Owner: Max Petzenhauser County: Story Selection Score: 170 Flank Color: A90
14.	FFA Champion Market Meat Goat ^a Tag #: 7815 Live Weight: 94 lbs. Hot Carcass Weight: 54.8 lbs. KPH: 1.0% Fat Cover Score: 1	Owner: Nick Deppe Bellevue FFA Selection Score: 180 Flank Color: A90

^aMeat Goat Selection, Carcass Evaluation and Fabrication Guide, LSU Ag Center & Extension Pub. 2951 was used as the reference for grading goat carcasses.