

2004 *National Barrow Show*® Sire Progeny Test Loin Quality Terms

The average performance of each progeny group is reported to the respective breed associations. A brief explanation of each term on that report is shown below.

ADG	Average Daily Gain
BF10	Carcass backfat in inches measured off-midline at the tenth rib. Adjusted to 240-lb live weight and for sex.
LMA	Carcass loin muscle area in square inches. Measured at the tenth rib. Adjusted to 240-lb live weight and for sex.
QUALITY	Index that combines Minolta reflectance, ultimate pH and intramuscular fat percent of fresh loins. Higher is better. This is only a predictor of cooked loin tenderness.
SND	Soundness scored 1-5 for movement and structure of front and 1-5 for movement and structure of rear. Scores are totaled. Higher score is more sound.
pH	Ultimate pH, higher pH is associated with less drip loss.
MINOLTA	Light reflectance percent taken at 24 hrs. Lower is darker.
IMF	Percent loin intramuscular fat (total lipids). More is desirable.
COOKLOSS	Percent weight loss from cooking loin chop. Lower is best.
INSTRON	Star probe pressure of cooked loin in kg. Lower pressure indicates more tenderness.
TENDER	Sensory panel score of cooked loin tenderness on 1-10 scale. Higher scores are more tender.
JUICY	Sensory panel score of cooked loin juiciness on a 1-10 scale. Higher is more juicy.
HAL	0 = Normal, 1 = Carrier, 2 = Dominant
NAP	0 = Normal, 1 = Carrier, 2 = Dominant

**2004 NBS® Progeny Test Sires
BREED = BERKSHIRE**

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1109	AJC BERKSHIRES	AJG3 STALLION 6-2	SUPER SIRE	1.66	0.70	6.94	59.68	7.1
1253	ISU TEACHING FARM	IASU2 BLACK VELVET 21-1	SUPER SIRE	1.81	0.69	6.21	50.17	6.9
1157	BLACK SPRING FARMS	BSF2 NASTY CHOCOLATE 20-3	SUPER SIRE	1.72	0.84	6.32	46.40	7.7
1429	GOODWIN FAMILY FARMS	MJH1 BUCKY 87-1	SUPER SIRE	1.87	0.85	5.71	44.33	6.6
1149	JOE MCKENNA	KSF2 PRIME TIME 48-7	NBS SIRE	1.79	0.88	5.82	51.03	6.8
1413	GOODWIN FAMILY FARMS	MFB1 BREAK OUT 81-1	NBS SIRE	1.74	0.90	6.13	55.25	6.7
1141	STEVE STASSEN	REV2 MOJO 1-1	NBS SIRE	1.61	0.89	5.35	70.78	6.3
1317	DAN & MICHAEL HODGES	OHF0 JAKES BAX 71-2	NBS SIRE	1.74	0.96	5.73	61.21	6.3
1133	ROZEBOOM FARMS	CC2 MR PH 10-1	NBS SIRE	1.71	0.80	5.16	50.48	6.7
1405	GOODWIN FAMILY FARMS	REV3 HULK 5-3	NBS SIRE	1.81	1.00	5.84	46.01	6.9
1381	GOODWIN FAMILY FARMS	TMF1 ADAGIO 6-9	NBS SIRE	1.76	0.94	5.38	51.05	6.3
1101	AJC BERKSHIRES	OHF3 MR CONSISTENCY 19-5	NBS SIRE	1.66	0.98	5.62	58.50	7.0
1333	DAN & MICHAEL HODGES	WFS2 PRIME STAR 40-9	NBS SIRE	1.76	0.97	5.23	50.85	6.6
1389	GOODWIN FAMILY FARMS	MAB1 PATHFINDER 325-1	NBS SIRE	1.69	0.95	5.74	49.99	6.6
1125	PHENOTYPIC ACRES	AJG3 STALLION 1-2	NBS SIRE	1.48	0.78	6.36	41.36	7.0
1325	DAN & MICHAEL HODGES	WB2 PRIME FRONTIER 26-2	NBS SIRE	1.69	1.04	5.49	48.99	6.6
1421	GOODWIN FAMILY FARMS	BA2 STALLION 3-1	NBS SIRE	1.65	1.01	5.21	51.85	6.1
1117	PHENOTYPIC ACRES	GB12 BENJAMIN FRANKLIN 81-10	NBS SIRE	1.48	1.06	5.19	68.35	6.7

BREED = CHESTER WHITE

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1301	HARLEY ALLEN	HA2 JOLLY ROGER 2-1	SUPER SIRE	1.71	0.82	5.89	71.47	7.3
1285	HERB BROWN	BFC2 JOHN WAYNE 51-8	NBS SIRE	1.70	0.88	6.61	47.74	8.3
1277	ROBERT ARMSTRONG	COR 13 RESCUE 18-9	NBS SIRE	1.58	0.88	6.58	42.81	8.1
1269	RANDY & BECKY SCHMIDT	RCW3 COLOSSAL 40-3	NBS SIRE	1.76	1.02	6.18	50.56	6.7

BREED = POLAND CHINA

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1213	KIRBY MOLDENHAUER	DDP3 BERT 3-8	SUPER SIRE	1.72	0.65	6.16	49.85	6.7
1173	LAWENCE GRIEBEL & SON	RJW2 HAWKEYE CLASSIC 24-6	NBS SIRE	1.70	0.82	6.64	45.51	7.3

BREED = SPOT

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1293	IRWIN SPOT FARM	RRR3 WILD CARD 16-2	SUPER SIRE	1.95	0.72	6.11	51.59	6.9

BREED = YORKSHIRE

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1261	WAYNE HUNKER	WJH2 TURBO 38-1	SUPER SIRE	1.50	0.63	7.56	37.41	7.9

TRAITS ADJUSTED FOR SEX AND WEIGHT									
				TEST AVERAGES	ADG	BF10	Loin	Quality	Leg Snd
					1.71	0.87	5.96	49.80	6.97

THANKS!

The following supported the National Barrow Show@ Progeny Test:

Aliflex USA Inc.
Iowa State University
Iowa Pork Producers Association
National Pork Producers Council

BREED = CROSSBRED

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1349	ISU RESEARCH FARM	ISUB3 TINSLEY 38-2	SUPER SIRE	1.84	0.70	6.58	49.48	6.7
1245	MOENNING FARMS	AC1 POISON 20-4	NBS SIRE	2.03	0.84	6.22	32.01	8.1
1373	STEVE KERNS	MSU2 CHAMPION BOY	NBS SIRE	1.91	0.74	5.56	38.37	5.3

BREED = DUROC

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1229	WALDO FARMS	WFD2 FIRESTONE 201-1	SUPER SIRE	1.95	0.59	7.07	53.46	7.9
1221	WALDO FARMS	WFD2 CURVE BENDER 218-4	SUPER SIRE	1.72	0.67	6.88	59.33	8.1
1165	COMPART SECONDARY SPF	CBSW1 F ADAM 94-2	SUPER SIRE	1.81	0.75	6.62	56.83	7.9
1341	ISU RESEARCH FARM	ISUB3 TINSLEY 48-1	SUPER SIRE	1.70	0.58	6.77	51.29	7.3
1365	ISU RESEARCH FARM	ISUB3 TINSLEY 48-1	SUPER SIRE	1.79	0.72	6.80	48.43	8.0
1357	ISU RESEARCH FARM	ISUB2 CORNHUSKER 270-1	NBS SIRE	1.62	0.70	6.28	60.93	7.1
1197	FORKNER FARMS	CC2 CLASSIC 98-10	NBS SIRE	1.54	0.85	5.84	50.25	5.4

BREED = HAMPSHIRE

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1237	MOENNING FARMS	AH1 GOLDEN VALLEY 14-7	SUPER SIRE	1.95	0.87	6.05	31.23	6.6
1189	FORKNER FARMS	CC1 LEGACY 15-6	NBS SIRE	1.45	0.76	5.43	41.32	6.9

BREED = LANDRACE

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1205	FORKNER FARMS	CC1 MASTERPIECE 51-12	SUPER SIRE	1.71	1.00	4.85	42.52	7.9

SPRING 2004 NBS SIRE RANKINGS

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Obs	BREEDP	_TYPE_	_FREQ_	Number per breed					Means					
				ADGN	BFN	LMAN	QN	SNDN	ADGM	BFM	LMAM	MQ	SN	
1	1	0	8	8	8	8	8	8	1.46232	0.65951	7.48661	37.3245	7.50000	
2	2	0	56	52	52	52	52	52	1.70627	0.70241	6.55890	54.4855	7.36538	
3	3	0	16	15	15	15	15	15	1.69131	0.84752	5.71919	36.9721	6.60000	
4	4	0	8	8	8	8	8	8	1.92041	0.74087	6.04652	49.7840	6.87500	
5	5	0	32	30	30	29	29	30	1.65757	0.90543	6.28339	51.4042	7.66667	
6	6	0	16	16	16	15	15	16	1.66484	0.76170	6.29788	47.9123	6.87500	
7	7	0	159	146	146	146	146	146	1.69332	0.93413	5.66077	52.4955	6.68493	
8	8	0	8	8	8	8	8	8	1.70312	1.04973	4.79693	41.2308	7.87500	
9	9	0	32	32	32	32	32	32	1.92243	0.87894	5.87626	40.5297	6.84375	
	total								515	1.71	.87	5.96	49.8	6.97

FINAL NBS 2004 Breed means

Adjusted for sex, on test wt, off test wt