

2005 *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

2005 NBS® Progeny Test Sires

BREED = BERKSHIRE

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1165	ISU SWINE TEACHING	IASU3 LINE 51 39-9	SUPER SIRE	1.56	0.62	6.10	62.58	7.0
1285	STEVE STASSEN	CGBM3 BOOMER 13-4	SUPER SIRE	1.74	0.63	5.79	54.39	5.8
1293	AJC BERKSHIRES	IASU3 LINE 51 39-9	NBS SIRE	1.58	0.70	6.15	48.38	7.9
1117	PHENOTYPIC ACRES, INC.	PA3 MACHINE 5-4	NBS SIRE	1.80	0.80	5.24	50.67	6.0
1277	DAN & MICHAEL HODGES	MJH2 TULARE 121-2	NBS SIRE	1.74	0.81	5.49	53.24	5.8
1237	CONOVER / WIPPLINGER	RTS3 BLACKSMITH 4-9	NBS SIRE	1.71	0.78	6.21	40.32	6.1
1301	LYLE WIPPLINGER	CCV3 FORT KNOX 12-3	NBS SIRE	1.63	0.78	5.93	41.40	6.8
1261	KEN SHAFFNER	KSWV3 MAJOR MOVE 6-8	NBS SIRE	1.69	0.75	5.28	38.35	5.5
1101	PHENOTYPIC ACRES, INC.	IASU0 GOLDEN CYCLONE 1-3	NBS SIRE	1.69	0.85	5.62	41.01	5.4
1269	DAN & MICHAEL HODGES	OHF2 ARC 20-3	NBS SIRE	1.73	0.90	5.56	43.50	5.0
1229	DUSTIN CONOVER	WKF3 SAKI 18-5	NBS SIRE	1.48	0.88	5.45	67.55	4.4

BREED = DUROC

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1133	WALDO FARMS, INC	WFD3 FIRESTONE 309-1	SUPER SIRE	2.13	0.69	6.09	56.68	8.1
1149	WHITESHIRE HAMROC	WWU3 HP BIG K 4-4	SUPER SIRE	2.05	0.69	5.39	65.62	7.3
1141	WALDO FARMS, INC	WFD3 PILLAR 300-2	SUPER SIRE	2.03	0.73	6.54	55.63	8.0
1173	ISU SWINE BREEDING	RWG3 TOTALLY UNBELIEVABLE 130-4	SUPER SIRE	1.87	0.62	6.16	56.13	7.6
1197	FORKNER FARMS	CC3 LIMIT UP 85-4	NBS SIRE	1.81	0.65	5.72	55.91	8.3
1181	ISU SWINE BREEDING	ISUB3 CORNHUSKER 27-2	NBS SIRE	1.69	0.61	6.12	59.22	8.3
1213	FORKNER FARMS	CC3 PLUS 2-8	NBS SIRE	1.76	0.95	5.90	65.38	6.9

BREED = SPOT

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1157	IRWIN SPOT FARM	RLF4 NIGHTMARE 1-6	SUPER SIRE	1.95	0.70	6.16	36.80	6.6

2005 NBS® Progeny Test Sires

BREED = YORKSHIRE

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1109	WALDO FARMS, INC	WFD3 PURE PIG 155-3	SUPERSIRE	2.04	0.76	6.38	37.28	6.1
1253	WAYNE HUINKER	WJH2 MAIN SQUEEZE 48-1	NBS SIRE	1.65	0.52	6.89	33.52	6.3
1189	FORKNER FARMS	CC3 TURK 1-7	NBS SIRE	1.74	0.88	5.98	37.91	5.1

BREED = CROSSBRED

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1245	KIRBY MOLDENHAUER	HPC COLUMBUS 85-6	SUPER SIRE	1.97	0.60	6.16	61.97	7.1
1221	FORKNER FARMS	CC4 108-7	NBS SIRE	1.78	0.90	5.62	51.16	7.1

TRAITS ADJUSTED FOR SEX AND WEIGHT				ADG	BF10	Loin	Quality	Leg Snd
TEST AVERAGES				1.78	0.75	5.89	49.89	6.63

THANKS!

The following supported the National Barrow Show® Progeny Test:

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

N.B.S. TEST STATION PERFORMANCE

	NUMBER OF PIGS	A.D.G	FEED EFF.	MED COST/HD	DEADS		COMPLETE TEST	
					#	%	#	%
2005	206	1.81	3.21	3.30	9 (4) ^{***}	4.4	201	97.6
2004 **	335 (327)	1.69 (1.69)	3.22 (3.22)	8.47 (8.22)	18 (13)	5.4 (4.0)	317 (312)	94.6 (95.4)
2003	392	1.71	2.89	2.82	14 (2 DOA)	3.6	372	94.9
2002	463	1.83	3.15	6.22	13 (1 DOA)	2.8	450	97.2
2001	504	1.79	3.13	5.85	12 (1 DOA)	2.4	492	97.6
2000*	600	1.76	3.03	3.87	13 (5 DOA)	2.2	586	97.7
1999	472	1.82	3.18	5.25	10	2.1	460	97.5

* Included 144 - commercial pigs

** 2004 - omitted special pen

*** - Died in Transit

NB431

NATIONAL BARROW SHOW

PROGENY TEST AVERAGES

08/31/05

LENGTH	LOIN EYE	10TH RIB BACKFAT	SOUNDNESS SCORE	QUALITY SCORE	AVERAGE DAILY GAIN
32.8	6.10	.81	6.7	5.61	1.83

26 pens on test
(206 animals)

in 2005.