

2003 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 1-5 for structure. 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

2003 NBS® Progeny Test Sires

BREED=BERKSHIRE

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1221	DAN & MICHAEL HODGES	OHF0 ROCK SOLID 57-1	SUPER SIRE	1.88	0.74	5.78	52.44	6.3
1197	DAN & MICHAEL HODGES	OHF0 BUCKY 26-2	SUPER SIRE	1.83	0.80	5.70	52.94	6.4
1101	ROBERT BURCH	RLB1 S MASTERBOY 4-1	SUPER SIRE	1.97	0.85	5.13	54.43	5.2
1213	DAN & MICHAEL HODGES	OHF1 MR CONSISTENCY 111-3	SUPER SIRE	1.81	0.90	5.42	55.13	6.7
1405	KILLINGSWORTH/MID-AMERICA	PA1 CYCLONE 54-5	NBS SIRE	1.78	0.84	5.47	48.88	6.3
1141	AJC BERKSHIRES	CCV0 STALLION 16-4	NBS SIRE	1.55	0.79	5.88	59.87	6.4
1285	KEN SHAFNER	KSWV0 PRIME TIME 8-5	NBS SIRE	1.82	0.92	5.35	49.75	6.6
1469	MID-AMERICA BERKSHIRES	GB11 R U READY 21-6	NBS SIRE	1.70	0.79	5.52	49.20	5.7
1133	PHENOTYPIC ACRES	KHD8 ROSETTE COUNT 12-3	NBS SIRE	1.77	0.80	5.09	44.83	6.0
1389	ROZEBOOM FARMS	ROZ1 DELUXE 6-9	NBS SIRE	1.69	0.91	5.74	50.76	6.6
1205	DAN & MICHAEL HODGES	GM0 TULARE 2-5	NBS SIRE	1.62	0.82	5.43	57.54	5.3
1461	MID-AMERICA BERKSHIRES	BA2 STALLION 3-1	NBS SIRE	1.66	0.85	5.20	48.18	5.4
1453	MID-AMERICA BERKSHIRES	KHD1 DOUBLE GRAN 11-3	NBS SIRE	1.67	1.06	4.87	66.27	5.9
1165	ISU SWINE TEACHING FARM	IASU1 TRUST ME 24-2	NBS SIRE	1.56	0.89	5.45	54.17	5.7
1189	DUSTIN CONOVER	CC0 MR pH 4-2	NBS SIRE	1.52	0.98	5.68	54.19	7.0
1429	MID-AMERICA BERKSHIRES	MAB1 MIGHTY 256-2	NBS SIRE	1.59	1.04	5.30	51.44	6.7
1181	BURDETTE CONOVER	CC0 TENDERFEET 4-5	NBS SIRE	1.51	0.93	4.75	54.42	6.5
1277	KEN SHAFNER	BIT2 MAJOR MOVE 17-4	NBS SIRE	1.75	1.05	5.38	45.63	5.3
1445	MID-AMERICA BERKSHIRES	MAB1 SAM 221-1	NBS SIRE	1.60	1.10	5.28	57.35	6.3
1437	MID-AMERICA BERKSHIRES	SSG1 IMPULSE 67-7	NBS SIRE	1.39	0.92	5.63	52.43	6.0

BREED=CHESTER WHITE

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1325	BROWN FARMS	RCW1 SHARK 142-2	SUPER SIRE	1.76	0.77	5.93	43.96	7.4
1237	RANDY & BECKY SCHMIDT	AB'S1 ROYAL CROWN 31-10	NBS SIRE	1.75	0.93	5.64	49.74	8.6
1157	NEIL ALBERTSON	RCOA0 MUSCLEMAKER 14-10	NBS SIRE	1.72	0.94	5.78	51.38	8.1
1245	ROBERT ARMSTRONG	SCI SHOWTIME 19-2	NBS SIRE	1.60	0.78	6.04	48.05	7.0
1333	RUDASILL FARMS, LLC	RCW1 NO COMPROMISE 105-4	NBS SIRE	1.59	0.89	6.11	39.48	8.2
1253	HARLEY ALLEN	RCW2 PROMISE 37-3	NBS SIRE	1.54	0.96	5.63	59.64	6.6
1261	SMITTY'S CHESTERS	P&R0 JACK IN THE BOX 28-3	NBS SIRE	1.64	1.09	5.12	57.55	8.0

BREED=DUROC

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1213	WALDO FARMS	WFD1 KOBE 201-1	SUPER SIRE	2.15	0.84	6.64	59.54	7.7
1309	WALDO FARMS	WFD1 POWER STROKE 149-4	SUPER SIRE	1.94	0.71	6.79	65.19	7.6
1485	HUNKER DUROCS LTD	HD2 CASPER 33-2	SUPER SIRE	1.91	0.72	6.17	57.78	7.4
1477	BG DUROCS	KEF0 RIPSNOTTER 8-1	SUPER SIRE	1.84	0.65	5.36	59.21	7.4
1381	COMPART BOAR STORE OF IA INC.	CBSW1 S HARVEY 79-3	SUPER SIRE	1.80	0.69	5.82	60.71	6.7
1341	STEWART'S DUROC FARM	SDF1 STALLION 77-1	SUPER SIRE	1.81	0.80	6.69	54.14	7.1
1397	DAVID MARTIN	WGN1 TROJAN 228-2	SUPER SIRE	1.65	0.75	6.75	48.01	7.7
1149	BART JONES	J12 FIVE DANE 3-6	NBS SIRE	1.52	0.71	6.48	54.33	6.7
1357	FORKNER FARMS	CC1 LIMIT UP 30-7	NBS SIRE	1.57	0.94	5.42	63.46	7.3

BREED=HAMPSHIRE

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1349	FORKNER FARMS	CC1 CASH 1-12	SUPER SIRE	1.32	0.87	5.58	41.41	6.2

BREED=LANDRACE

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1293	WALDO FARMS	WFD1 JOHN WAYNE 216-4	SUPER SIRE	1.76	0.63	6.56	26.36	7.0
1373	FORKNER FARMS	CC1 CLARK 8-6	NBS SIRE	1.79	0.95	5.22	43.05	6.1

BREED=POLAND CHINA

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1269	LAWRENCE GRIEBEL	RJW1 HAWKEYE GOLD 35-6	SUPER SIRE	1.88	0.88	6.24	39.88	6.8

BREED=SPOTS

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1109	IRWIN SPOT FARM	BBPR2 GREAT NORTHERN 3-10	SUPER SIRE	1.53	0.56	6.47	31.00	6.8
1117	TROWBRIDGE SPOT FARM	TP22 TSUNAMI 12-1	NBS SIRE	1.43	0.76	5.96	45.85	6.0

BREED=YORKSHIRE

Group	Breeder	Sire	Award	ADG	BF10	Loin	Quality	Leg Snd
1229	IFFT YORKSHIRES	JH1 CAPTAIN 19-2	SUPER SIRE	1.70	0.49	5.96	34.89	6.3
1301	WALDO FARMS	WFD1 BARBED ARROW 356-2	NBS SIRE	2.09	0.92	5.92	39.24	5.1
1173	NEHER ACRES	NAY0 LINKAGE 226-2	NBS SIRE	1.72	0.77	5.60	40.61	8.3
1365	FORKNER FARMS	CC1 TATE 37-13	NBS SIRE	1.69	0.92	5.33	35.87	7.1

TRAITS ADJUSTED FOR SEX AND WEIGHT				TEST AVERAGES	ADG	BF10	Loin	Quality	Leg Snd
					1.68	0.80	5.66	49.93	6.7

THANKS!

The following supported the National Barrow Show@ Progeny Test:

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

Breed Performance at 2003 NBS Progeny Test

	Pigs	ADG, lb/d	BF10, in	LMA, sq in	Quality index	Soundness
Whole test	376	1.68	.86	5.66	49.93	6.66
Berkshire	166	1.65	.93	5.30	52.67	6.08
Chester White	55	1.61	.90	5.72	48.96	7.63
Duroc	78	1.77	.75	6.23	55.28	7.29
Hampshire	6	1.32	.87	5.62	41.41	6.12
Landrace	15	1.77	.81	5.83	35.16	6.5
Poland China	8	1.88	.88	6.24	39.88	6.75
Spot	16	1.45	.70	6.02	39.30	6.40
Yorkshire	31	1.78	.79	5.62	37.78	6.71

The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
HERD	375	156.1733333	76.1289669	8.0000000	255.0000000
BREEDS	375	4.9973333	2.3383557	1.0000000	8.0000000
BOAR	375	135202207	114914536	29097014.00	423175012
PIG	376	298.2260638	112.5757320	102.0000000	492.0000000
SEX	375	1.4560000	0.4987256	1.0000000	2.0000000
BREED	375	4.9973333	2.3383557	1.0000000	8.0000000
DOB	375	1442.62	13.9606690	1389.00	1473.00
LITTER	375	25.1866667	27.7176816	1.0000000	108.0000000
EAR	375	4.7760000	2.8749257	1.0000000	13.0000000
REG	375	149337277	115200983	33173003.00	432972007
DAM	375	133114288	113087057	28948012.00	425286005
PGS	375	122493038	108881228	24604009.00	412145001
PGD	375	121157171	109183396	1209256.00	406851004
MGS	375	119593367	107375650	1173539.00	415794008
MGD	375	120011093	108123134	1209267.00	416860002
STRUC	375	3.3546667	0.6454889	2.0000000	5.0000000
MOVE	375	3.3066667	0.6284973	1.0000000	5.0000000
GRP	375	1294.22	112.3785322	1101.00	1485.00
SND	375	6.6613333	1.1677362	3.0000000	10.0000000
ONWT	376	76.8829787	11.8160175	51.0000000	129.0000000
ONDATE	376	1526.13	8.5764563	1515.00	1550.00
KDATE	376	1628.32	16.6919811	1588.00	1650.00
OFFWT	376	248.2952128	13.4158346	150.0000000	281.0000000
CARWT	371	182.2695418	10.1458347	126.0000000	203.0000000
LENGTH	371	32.3574124	0.8670034	30.0000000	34.4000000
LRBF	371	0.9470350	0.2149591	0.3500000	1.8000000
LLBF	371	0.8654987	0.2382843	0.4000000	1.7000000
BF10	371	0.8599730	0.2208418	0.3100000	1.6600000
LMA	371	5.6577358	0.7759780	3.3800000	8.0600000
ADG	376	1.6755319	0.2393909	0.6500000	2.3700000
LOIN_PH	371	5.7590836	0.1590911	5.2900000	6.4600000
MINP	369	24.6941192	3.4068152	16.9000000	34.9100000
HUNTP	369	49.5673984	3.4030201	41.1000000	59.0800000
LABDATE	371	1629.13	16.6825092	1589.00	1651.00

The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
COLOR	369	3.4254743	1.0323577	1.0000000	6.0000000
MARB	369	2.7073171	1.1111958	1.0000000	8.0000000
FIRM	369	1.9945799	0.4833903	1.0000000	3.0000000
LOIN_MIN	369	23.6266396	3.5689306	15.9200000	37.1900000
HUNTL	369	47.9011382	3.5477510	38.7600000	60.9700000
WHC	368	53.5163043	23.9725037	5.0000000	190.0000000
NAP	373	0.0375335	0.2039564	0	2.0000000
HAL	373	0.0482574	0.2493614	0	2.0000000
IMF	369	2.6451762	0.9630802	0.8600000	6.9700000
DM	369	26.1148238	0.9285739	23.5300000	29.7100000
EPH	369	5.6798103	0.1632124	5.1600000	6.4200000
RAWWT	369	94.8582656	18.1904071	49.0100000	159.6400000
CKWT	369	76.6522493	15.2819356	39.8600000	129.9900000
COOKLOSS	369	19.2136314	3.8228441	11.0100000	31.7400000
JUIC	369	6.1409214	1.2561502	3.0000000	9.0000000
TEND	369	6.8048780	1.4180046	2.0000000	10.0000000
CHEW	369	2.4579946	1.1053218	1.0000000	9.0000000
FLAV	369	1.9539295	0.9415194	1.0000000	7.0000000
OFFFL	369	2.9241192	1.5878918	1.0000000	7.0000000
INSTRON	369	5.6739512	0.9912137	3.4440000	8.9370000
W	376	1.0531915	0.2247142	1.0000000	2.0000000
Q	369	49.9334743	14.2024640	7.9160000	96.2880000
QUALITY	369	49.9333604	14.2028338	7.9200000	96.2900000
TINDEX1	368	100.0244129	11.6334874	65.0507600	128.7213000
TINDEX	368	100.0239130	11.6339175	65.1000000	128.7000000