



2009
PROGENY TEST
SIRE SUMMARY

A word about the 2009 NBS® Progeny Test...

The NATIONAL BARROW SHOW® Sire Progeny Test remains the most extensive unbiased evaluation of progeny performance available to purebred swine breeders. Currently, twelve different measures of progeny performance are recorded on every pig that completes the testing period. These include evaluations of carcass composition, growth performance, meat quality, and eating quality. These data are compiled and returned to participating breeders for use within their individual breeding or marketing program. However, with the extensive amount of data that is evaluated, an effective method is needed to summarize the progeny performance of a particular sire that appropriately utilizes all available information. Changes within the industry have led to different production and marketing schemes utilized by purebred breeding herds, which complicates the application of a single figure or index that fits the goals of all participating firms. In general, the production goals employed by purebred breeders who utilize the NBS® Progeny Test can be characterized as either: A) mainstream pork production aimed at efficient production of lean product; or B) production aimed at enhanced meat quality.

Mainstream pork production requires a sufficient emphasis on meat quality to secure a consistent market outlet for processors. Conversely, meat quality-based production systems also must maintain a sufficient level of lean growth to remain profitable in the long-term. In comparison to the progeny testing procedures used in the past, the 2009 test will evaluate the progeny performance of a sire based on the two production systems described above and recognize sires that excel in either or both of the production and marketing structures. Specifically, sires that excel in mainstream pork production traits will be recognized with ***“Super Sire™”*** Awards while sires that excel in meat quality-based production traits will receive ***“PORQUE”*** Awards (PORK QUality Excellence).

Overall objectives used for sire rankings

Sires are now ranked according to two primary objectives that place different levels of emphasis on progeny performance accordingly: 1) Lean gain per day on test; and 2) Consumer acceptance. Lean gain per day on test (LGOT) is easily calculated by the methods outlined in the Pork Composition and Quality Assessment Procedures manual published by the National Pork Producers Council. The calculation of consumer acceptance (CA) uses nine different meat and eating quality traits measured in the progeny test. The calculation of CA involved a consensus of the impact that each trait has on overall consumer preference. Using this information the following criteria are now used to determine superior sires in the Progeny Test:

Super Sire™ Index: Used to reflect mainstream pork production where 80% of the weight is given to components of lean gain and 20% of the weight is assigned to characters that influence consumer acceptance.

PORQUE Index: Used to reflect a production and marketing system where primary emphasis is based on meat quality traits with a sufficient level of lean growth. This objective places 20% of the weight on components of lean growth, while 80% of the weight is given to characters that influence consumer acceptance.

Relative contribution of singular measured traits within each component group described above:

Lean Gain Factor	
Ave Daily Gain	57%
10 th Rib Bkft	34%
Loin Eye Area	6%
All Other Traits	3%

Consumer Acceptance Factor	
pH	43%
Intron Tenderness	30%
Intramuscular Fat	10%
Sensory Panel	10%
All Other Traits	7%

(i.e., ADG comprises 57% of the weighting in “Lean Gain”. The entire collection of traits in “Lean Gain” is then in turn weighted at 80% of the value of the *Super Sire™* Index or 20% value of the *PORQUE* Index.)

All variables are adjusted for breed, gender, and contemporary group (defined as off-test group). Carcass composition traits such as loin eye area and backfat are adjusted to 250 lbs, while average daily gain is adjusted for on-test weight. The contemporary group effect, included in the evaluation of meat and eating quality traits, assists in alleviating the vast differences that exist in harvest environment as well as the differences in people used in the sensory taste panels.

Similar to previous years, two different soundness scores (1-5) are assigned to each pig separately for front and rear leg structure/movement. Individual pigs that have a combined soundness score less than four are disqualified. In order for a sire to be eligible for either *Super Sire™* or *PORQUE* recognition, the sire average must include six pigs that completed the testing period and were not disqualified for soundness. Entries that do not meet this requirement will not be published. The top 20% of the sires in each breed and the entire test will be awarded.

We hope you agree these modifications will provide a more comprehensive analysis of all the data that is collected. If you have any questions regarding the Progeny Test in general, please contact A.J. Shute at 507-437-5306 or ajshute@hormel.com.

2009 NBS® Progeny Test SUPER SIRE™ Ranking

Traits adjusted for breed, sex, off-test date, & off-test weight.

SUPER SIRE™ Awards are listed in BOLD. SUPER SIRE™ Index represents 80% weight on Lean Growth measures and 20% weight on Pork Quality measures.

BREED = BERKSHIRE						Leg	PORQUE	Super Sire™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
1389	Oak Hill Farm (Hodges)	GFF7 STONEHENGE 283-4	1.93	1.22	5.05	5.3	1	124.74
1189	ISU Swine Teaching Farm	TMF5 TALL BOY 29-4	1.85	0.94	6.34	5.3	2	124.66
1373	Lyle & Darla Wipplinger	WIPP7 STALLION 6-4	1.99	1.04	6.03	4.2	3	121.25
1365	Lyle & Darla Wipplinger	NIAC6 STALLION 3-4	1.82	0.86	6.63	6.1	5	117.46
1181	ISU Swine Teaching Farm	AJC5 LION 1-2	1.86	0.94	6.06	5.2	9	110.19
1165	ISU Swine Teaching Farm	IASU6 PATCHES 73-3	1.83	0.92	6.69	5.5	13	110.09
1405	Oak Hill Farm (Hodges)	OHF6 ROCK SOLID 105-2	1.90	1.24	5.15	5.9	7	104.65
1301	Goodwin Family Farms	OBB4 WILD BILL 2-1	1.84	1.32	5.46	5.4	14	99.38
1325	Goodwin Family Farms	GFF6 NAMATJIRA 65-4	1.66	1.23	5.22	5.0	8	98.71
1213	Todd Benecoff, Jr.	IASU6 LAD 32-3	1.72	1.07	5.94	6.1	21	96.57
1421	Oak Hill Farm (Hodges)	2OHF 5 S MASTERBOY 107-1	1.76	1.27	5.60	5.0	20	96.55
1309	Goodwin Family Farms	GFF7 PARRACOMBE PETER LAD 14 544-4	1.85	1.41	5.14	4.9	19	95.94
1205	Innerst Berkshires	IASU7 BLACK BULL 69-3	1.72	1.03	6.16	6.3	29	94.82
1173	ISU Swine Teaching Farm	IASU6 CONTENDER 47-3	1.71	1.23	6.24	5.3	27	93.87
1397	Oak Hill Farm (Hodges)	IASU6 OLD SCHOOL 67-1	1.83	1.01	5.52	4.7	33	93.34
1317	Goodwin Family Farms	CC6 SIR BARTON 9-2	1.86	1.10	5.79	6.2	36	90.86
1333	Goodwin Family Farms	GFF7 PARRACOMBE LASSETTER 6 506-4	1.71	1.28	5.59	5.2	26	89.51
1221	Bob Burch	RLB4 MASTERBOY 1-6	1.82	1.46	5.15	4.9	34	83.58
1381	Honey Creek Berkshires (Weber)	RCW7 SECOND HARVEST 11-5	1.74	1.65	4.05	5.5	37	73.57
Berkshire Breed Average:			1.82	1.18	5.64	5.4		100.68

2009 NBS® Progeny Test SUPER SIRE™ Ranking

Traits adjusted for breed, sex, off-test date, & off-test weight.

SUPER SIRE™ Awards are listed in BOLD. SUPER SIRE™ Index represents 80% weight on Lean Growth measures and 20% weight on Pork Quality measures.

BREED = Chester White						Leg	PORQUE	Super Sire™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
1357	Herb Brown	RS7 HERCULES 16-1	1.92	1.13	6.87	7.1	8	111.89
1341	Randy & Becky Schmidt	TRF7 FAVRE 29-2	1.93	1.11	6.43	6.6	20	99.25
1157	Neil Albertson	AC6 EASY PICK'N 2-11	1.78	1.26	5.96	8.6	21	99.12
1349	Randy & Becky Schmidt	TOF8 SANDBAGGER 3-1	1.69	1.16	6.95	6.7	38	84.56
Chester White Breed Average:			1.83	1.17	6.54	7.2		99.16

BREED = DUROC						Leg	PORQUE	Super Sire™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
1237	Waldo Farms	WFD7 RED RHINO 118-5	2.20	1.03	6.91	7.2	9	110.99
1197	ISU Swine Breeding Farm	SDF6 ROJO RHINO 79-1	2.04	1.27	5.61	7.3	12	108.79
1229	Waldo Farms	WFD7 BOLD STROKE 38-2	1.90	0.80	7.14	6.9	13	106.95
1269	Forkner Farms/TRULINE®	CC7 BIG HOGG 50-8	1.82	1.12	5.42	7.0	15	102.85
Duroc Breed Average:			1.99	1.05	6.25	7.1		107.28

BREED = LANDRACE						Leg	PORQUE	Super Sire™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
1125	Whitehire Hamroc®	WHI6 ZEBU 100-8	2.23	1.35	4.43	4.8	32	95.45
1245	Waldo Farms	WFDM6 JA MAR SIR WINSTON 513M	1.90	0.78	6.58	6.1	41	90.53
1149	Bill Tempel	BTI6 ALEXANDER 91-2	1.97	1.54	4.81	6.0	31	88.94
1133	Whitehire Hamroc®	WHI6 SAMPSON 310-10	1.98	1.49	4.91	5.8	38	82.85
Landrace Breed Average:			2.02	1.31	5.14	5.7		89.41

2009 NBS® Progeny Test SUPER SIRE™ Ranking

Traits adjusted for breed, sex, off-test date, & off-test weight.

SUPER SIRE™ Awards are listed in BOLD. SUPER SIRE™ Index represents 80% weight on Lean Growth measures and 20% weight on Pork Quality measures.

BREED = YORKSHIRE						Leg	PORQUE	Super Sire™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
1117	Whitehire Hamroc®	WHI7 FROST 348-11	2.21	1.33	6.08	5.8	11	112.37
1293	Forkner Farms/TRULINE®	CC7 BLADE 42-6	1.95	1.25	5.72	6.7	17	102.82
1109	Whitehire Hamroc®	ID7 SATURN 381-1	2.01	1.54	5.09	6.6	15	101.35
1101	Whitehire Hamroc®	WHI7 UKI 185-11	2.13	1.22	5.79	6.0	28	101.08
1261	Waldo Farms	WFDM7 M UNIT ONE 451-1	2.08	1.18	6.24	6.2	35	98.08
1141	Bill Tempel	BTI7 URON 73-15	1.99	1.26	6.25	5.8	40	86.98
Yorkshire Breed Average:			2.06	1.29	5.86	6.2		100.19

BREED =CROSSBRED						Leg	PORQUE	Super Sire™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
1277	Forkner Farms/TRULINE®	CC6 BOOMER 10-5	2.02	1.23	5.39	6.2	4	114.49
1253	Waldo Farms	WD 97-5	1.95	0.89	7.97	6.6	22	112.83
1285	Forkner Farms/TRULINE®	FF7 TALLBOY 5-5	1.77	1.16	5.50	6.7	16	98.67
Crossbred Breed Average:			1.91	1.11	6.16	6.5		108.74

						Leg	Super Sire™
ENTIRE TEST AVERAGE			ADG	BF10	LMA	Sound.	INDEX
			1.90	1.19	5.81	5.9	100.53

2009 NBS® Progeny Test PORQUE Ranking

Traits adjusted for breed, sex, off-test date, & off-test weight.

PORQUE™ Awards are listed in BOLD. PORQUE Index represents 20% weight on Lean Growth measures and 80% weight on Pork Quality measures.

BREED = BERKSHIRE			Instron	% IM	Sensory Panel		SS	PORQUE	
Group	Breeder	Sire	pH	Tender	Fat	Juic	Tender	Rank	INDEX
1389	Oak Hill Farm (Hodges)	GFF7 STONEHENGE 283-4	6.08	3.48	3.28	8.8	9.1	1	92.00
1189	ISU Swine Teaching Farm	TMF5 TALL BOY 29-4	6.03	3.66	2.82	7.6	8.3	2	89.15
1373	Lyle & Darla Wipplinger	WIPP7 STALLION 6-4	5.78	4.12	3.53	8.6	8.7	3	87.41
1365	Lyle & Darla Wipplinger	NIAC6 STALLION 3-4	5.76	4.26	3.04	8.4	8.2	4	85.57
1405	Oak Hill Farm (Hodges)	OHF6 ROCK SOLID 105-2	5.85	4.86	3.44	7.8	8.2	14	83.98
1325	Goodwin Family Farms	GFF6 NAMATJIRA 65-4	5.65	4.36	2.97	7.7	8.6	22	83.80
1181	ISU Swine Teaching Farm	AJC5 LION 1-2	5.66	4.17	2.52	7.4	7.9	10	83.74
1165	ISU Swine Teaching Farm	IASU6 PATCHES 73-3	5.80	4.81	2.72	7.7	8.0	11	82.94
1301	Goodwin Family Farms	OBB4 WILD BILL 2-1	5.63	4.44	2.81	7.6	7.8	19	82.67
1309	Goodwin Family Farms	GFF7 PARRACOMBE PETER LAD 14 544-4	5.70	4.81	3.18	7.5	7.6	27	82.05
1421	Oak Hill Farm (Hodges)	2OHF 5 S MASTERBOY 107-1	5.74	5.09	4.23	7.7	7.9	26	81.73
1213	Todd Benecoff, Jr.	IASU6 LAD 32-3	5.50	4.76	2.58	7.8	8.1	25	80.58
1333	Goodwin Family Farms	GFF7 PARRACOMBE LASSETTER 6 506-4	5.54	4.99	2.16	8.3	7.8	35	79.64
1173	ISU Swine Teaching Farm	IASU6 CONTENDER 47-3	5.58	5.08	2.71	7.3	7.6	31	79.45
1205	Innerst Berkshires	IASU7 BLACK BULL 69-3	5.57	5.22	2.70	7.3	7.6	29	79.33
1397	Oak Hill Farm (Hodges)	IASU6 OLD SCHOOL 67-1	5.56	5.43	3.21	7.0	7.6	32	78.19
1221	Bob Burch	RLB4 MASTERBOY 1-6	5.57	5.35	2.21	7.3	7.7	39	77.81
1317	Goodwin Family Farms	CC6 SIR BARTON 9-2	5.45	5.26	3.25	6.4	7.2	33	77.28
1381	Honey Creek Berkshires (Weber)	RCW7 SECOND HARVEST 11-5	5.66	5.81	3.03	7.2	7.0	41	76.46
Berkshire Breed Average:			5.68	4.75	2.96	7.6	7.9		82.15

2009 NBS® Progeny Test PORQUE Ranking

Traits adjusted for breed, sex, off-test date, & off-test weight.

PORQUE™ Awards are listed in BOLD. PORQUE Index represents 20% weight on Lean Growth measures and 80% weight on Pork Quality measures.

BREED = CHESTER WHITE			Instron	% IM	Sensory Panel		SS	PORQUE	
Group	Breeder	Sire	pH	Tender	Fat	Juic	Tender	Rank	INDEX
1357	Herb Brown	RS7 HERCULES 16-1	5.93	4.29	3.25	7.1	7.3	8	84.09
1157	Neil Albertson	AC6 EASY PICK'N 2-11	5.81	4.75	2.85	7.4	7.8	21	82.25
1341	Randy & Becky Schmidt	TRF7 FAVRE 29-2	5.83	4.90	2.42	6.8	6.3	20	79.32
1349	Randy & Becky Schmidt	TOF8 SANDBAGGER 3-1	5.64	5.97	3.08	6.4	6.8	38	75.58
Chester White Breed Average:			5.81	4.94	2.90	7.0	7.0		80.46

BREED = DUROC			Instron	% IM	Sensory Panel		SS	PORQUE	
Group	Breeder	Sire	pH	Tender	Fat	Juic	Tender	Rank	INDEX
1197	ISU Swine Breeding Farm	SDF6 ROJO RHINO 79-1	5.67	4.51	4.61	7.0	7.3	12	83.71
1269	Forkner Farms/TRULINE®	CC7 BIG HOGG 50-8	5.83	4.39	3.58	6.9	7.0	15	83.02
1237	Waldo Farms	WFD7 RED RHINO 118-5	5.28	4.78	3.19	6.9	8.1	9	79.90
1229	Waldo Farms	WFD7 BOLD STROKE 38-2	5.48	5.08	3.20	7.2	7.4	13	79.65
Duroc Breed Average:			5.57	4.69	3.66	7.0	7.4		81.62

BREED = LANDRACE			Instron	% IM	Sensory Panel		SS	PORQUE	
Group	Breeder	Sire	pH	Tender	Fat	Juic	Tender	Rank	INDEX
1149	Bill Tempel	BTI6 ALEXANDER 91-2	5.42	4.93	2.84	7.6	7.9	36	79.28
1125	Whitehire Hamroc®	WHI6 ZEBU 100-8	5.56	5.10	2.88	7.3	7.4	28	78.50
1133	Whitehire Hamroc®	WHI6 SAMPSON 310-10	5.31	5.31	3.27	6.7	7.2	40	76.31
1245	Waldo Farms	WFD6 JA MAR SIR WINSTON 513M	5.38	5.60	2.60	6.0	6.7	34	73.73
Landrace Breed Average:			5.42	5.23	2.91	6.9	7.3		77.06

2009 NBS® Progeny Test PORQUE Ranking

Traits adjusted for breed, sex, off-test date, & off-test weight.

PORQUE™ Awards are listed in BOLD. PORQUE Index represents 20% weight on Lean Growth measures and 80% weight on Pork Quality measures.

BREED = YORKSHIRE			Instron	% IM	Sensory Panel		SS	PORQUE	
Group	Breeder	Sire	pH	Tender	Fat	Juic	Tender	Rank	INDEX
1117	Whitehire Hamroc®	WHI7 FROST 348-11	5.57	4.58	3.33	7.9	8.3	7	83.30
1109	Whitehire Hamroc®	ID7 SATURN 381-1	5.63	4.25	3.01	7.3	7.9	17	82.63
1293	Forkner Farms/TRULINE®	CC7 BLADE 42-6	5.81	4.33	3.26	6.4	6.9	16	82.27
1101	Whitehire Hamroc®	WHI7 UKI 185-11	5.56	4.80	2.66	7.0	6.6	18	79.41
1261	Waldo Farms	WFDM7 M UNIT ONE 451-1	5.35	5.03	3.10	6.7	7.1	24	77.70
1141	Bill Tempel	BTI7 URON 73-15	5.41	5.92	3.78	6.4	7.0	37	74.65
Yorkshire Breed Average:			5.56	4.83	3.19	6.9	7.3		79.85

BREED = CROSSBRED			Instron	% IM	Sensory Panel		SS	PORQUE	
Group	Breeder	Sire	pH	Tender	Fat	Juic	Tender	Rank	INDEX
1277	Forkner Farms/TRULINE®	CC6 BOOMER 10-5	5.99	3.66	3.09	7.2	7.2	5	86.54
1285	Forkner Farms/TRULINE®	FF7 TALLBOY 5-5	5.87	4.51	3.14	6.6	6.7	23	82.49
1253	Waldo Farms	WD 97-5	5.51	5.59	4.74	7.2	8.0	6	80.00
Crossbred Breed Average:			5.81	4.49	3.58	7.0	7.3		83.32

ENTIRE TEST AVERAGE	Instron	% IM	Sensory Panel		PORQUE	
	pH	Tender	Fat	Juic	Tender	INDEX
	5.65	4.81	3.10	7.3	7.6	81.16

The 2010 NBS® Progeny Test delivery date is set for
FRIDAY, MARCH 26th. Plan your matings NOW!

Please THANK the following sponsors for underwriting costs and professionally assisting with the NATIONAL BARROW SHOW® Sire Progeny Test. Without the tremendous support of these entities, the Progeny Test would not be possible.



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