



2010
PROGENY TEST
SIRE SUMMARY

Got questions about the Progeny Test???

Attend the informational/Q&A session in the Plager Bldg at the conclusion of the breeding stock shows on TUESDAY, 9/14.

A word about the 2010 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 the data available. 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 eating quality.

Mainstream pork production requires a sufficient emphasis on eating quality to secure a consistent market outlet for processors. Conversely, eating quality-based production systems also must maintain a sufficient level of lean growth to remain profitable in the long-term. In keeping with the 2009 analysis, this year's 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 eating quality-based 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 90% of the weight is given to components of lean gain and 10% 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 10% of the weight on components of lean growth, while 90% 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 90% of the value of the ***SUPER SIRE™*** Index or 10% value of the ***PORQUE*** Index.)

All variables are adjusted for 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 to 80lbs 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 day 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 score of less than 1.5 on either front or rear 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 eligible for market 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.

If you have any questions regarding the Progeny Test in general, please contact A.J. Shute at 507-437-5306 or ajshute@hormel.com.

2010 NBS® Progeny Test SUPER SIRE™ Ranking

Traits adjusted for sex, off-test date & weight, and/or on-test weight.

SUPER SIRE™ Awards are listed in BOLD. SUPER SIRE™ Index represents 90% weight on Lean Growth measures and 10% weight on Eating Quality measures.

Group	Breeder	BREED = BERKSHIRE				Leg	PORQUE	SUPER SIRE™
		Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
117	ISU Swine Teaching Farm	TTF9 G10 TEX 7-1	2.09	0.76	7.12	6.2	5	118.4
125	ISU Swine Teaching Farm	AUST8 FAST LANE 3-7	1.78	0.83	7.29	5.8	4	109.5
141	Phenotypic Acres Inc.	IASU7 HISTORY MAKER 59-3	1.90	0.80	6.77	5.2	12	108.6
109	ISU Swine Teaching Farm	IASU8 LION 40-2	1.87	0.86	6.77	5.3	8	107.5
253	Michael Freund	MJF7 DELUXE 1-4	1.78	0.76	6.53	4.8	10	105.0
333	Lyle and Darla Wipplinger	WIPP6 ASLAN 26-3	1.70	0.89	6.63	4.9	7	102.8
317	Lyle and Darla Wipplinger	WIPP7 PRINCE CASPIAN 26-2	1.79	0.95	6.44	4.4	11	100.6
221	Black Spring Farms	KASS9 BACK IN BLACK 6-3	1.69	0.85	7.11	5.3	15	99.2
349	Oak Hill Farm	OHF7 S MASTERBOY 97-2	1.77	1.21	4.56	4.7	1	98.6
309	Lyle and Darla Wipplinger	WIPP8 ASLAN 18-5	1.78	1.32	5.41	4.8	2	97.4
325	Lyle and Darla Wipplinger	WIPP8 STALLION 10-3	1.71	1.23	5.42	5.2	3	95.8
101	Englands Berkshires	PA8 HULK 24-7	1.76	1.06	5.80	5.1	13	94.7
341	Oak Hill Farm	IASU6 BLACK STALLION 71-1	1.66	0.93	6.14	5.3	14	94.5
357	Kurobuta Berkshire LLC	GFF7 ROSETTE BREAKTHRU 16-1	1.86	1.30	5.41	4.5	9	93.7
269	Forkner Farms TRULINE® Genetics	FF8 SPADES 6-9	1.61	1.09	5.54	5.1	6	91.7
		Berkshire Breed Average:	1.78	0.99	6.19	5.1		101.2

2010 NBS® Progeny Test SUPER SIRE™ Ranking

Traits adjusted for sex, off-test date & weight, and/or on-test weight.

SUPER SIRE™ Awards are listed in BOLD. SUPER SIRE™ Index represents 90% weight on Lean Growth measures and 10% weight on Eating Quality measures.

			BREED = CHESTER WHITE			Leg	PORQUE	SUPER SIRE™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
373	Randy and Becky Schmidt	TRF7 FAVRE 29-2	1.78	1.01	6.49	6.7	1	100.6
261	Brown Farms	HMB8 THE STUD 9-6	1.78	1.15	6.57	7.5	2	97.8
365	Randy and Becky Schmidt	HMB8 THE STUD 9-6	1.85	1.12	7.47	7.5	4	95.4
133	Neil Albertson	9 FILTHY RICH 3-5	1.67	0.99	6.74	7.8	3	94.6
Chester White Breed Average:			1.77	1.07	6.80	7.4		97.2

			BREED = DUROC			Leg	PORQUE	SUPER SIRE™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
237	Waldo Farms	WFD8 FIRESTONE 128-2	2.13	0.74	7.39	7.1	1	119.6
293	ISU Swine Breeding Farm	ISUB9 PILLAR 37-2	1.94	0.91	6.56	6.8	3	103.2
277	Forkner Farms TRULINE® Genetics	CC8 CLIMAX 12-11	1.82	1.04	6.51	5.7	2	101.2
301	ISU Swine Breeding Farm	ISUB8 TOTALLY WIDE OPEN 156-2	1.77	0.87	6.27	7.3	4	95.6
Duroc Breed Average:			1.91	0.89	6.70	6.7		105.2

			BREED = LANDRACE			Leg	PORQUE	SUPER SIRE™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
165	Whiteshire Hamroc®	WHI8 RB BOY 549-10	2.05	0.83	6.65	6.2	3	106.3
149	Ohio State University	CBSW8 F SACK 46-2	1.98	0.92	7.49	5.6	2	106.0
173	Whiteshire Hamroc®	WHI8 PIKKUS 474-14	1.91	0.86	6.20	6.0	4	98.9
189	Whiteshire Hamroc®	WHI8 SAMPSON 333-13	1.74	0.93	5.78	6.3	1	92.7
Landrace Breed Average:			1.88	0.87	6.53	6.0		100.1

2010 NBS® Progeny Test SUPER SIRE™ Ranking

Traits adjusted for sex, off-test date & weight, and/or on-test weight.

SUPER SIRE™ Awards are listed in BOLD. SUPER SIRE™ Index represents 90% weight on Lean Growth measures and 10% weight on Eating Quality measures.

			BREED = YORKSHIRE			Leg	PORQUE	SUPER SIRE™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
181	Whitshire Hamroc®	WHI8 SGI ERIK 471 38-8	2.05	0.86	6.70	5.7	1	110.5
229	Waldo Farms	WFD8 PERFECTION 152-6	2.04	0.74	7.07	6.1	3	110.2
213	Witzig Yorkshires	1 REW7 VIKING 1185 89-4	1.77	0.84	6.72	6.0	2	99.8
245	Wayne Huinker	WJH9 BEEFCAKE 33-1	1.76	0.96	6.96	7.1	5	96.9
285	Forkner Farms TRULINE® Genetics	CC8 VISION 36-15	1.93	1.17	6.24	5.8	4	95.8
205	Witzig Yorkshires	1REW8 PROGRESSOR 102-6	1.84	0.90	5.80	6.3	6	95.0
Yorkshire Breed Average:			1.90	0.91	6.57	6.1		101.2

			BREED = CROSSBRED			Leg	PORQUE	SUPER SIRE™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
197	Whitshire Hamroc®	FAST FORWARD 46-4	1.85	0.88	6.75	5.8	1	108.6
Crossbred Breed Average:			1.85	0.88	6.75	5.8		108.6

						Leg	SUPER SIRE™
			ADG	BF10	LMA	Sound.	INDEX
ENTIRE TEST AVERAGE			1.83	0.96	6.46	5.9	101.27

2010 NBS® Progeny Test PORQUE Ranking

Traits adjusted for sex & off-test date.

PORQUE™ Awards are listed in BOLD. PORQUE Index represents 10% weight on Lean Growth measures and 90% weight on Eating Quality measures.

BREED = BERKSHIRE			Instron	% IM	Sensory Panel		SS	PORQUE	
Group	Breeder	Sire	pH	Tender	Fat	Juic	Tender	Rank	INDEX
349	Oak Hill Farm	OHF7 S MASTERBOY 97-2	5.96	4.41	2.40	8.1	8.4	9	108.7
309	Lyle and Darla Wipplinger	WIPP8 ASLAN 18-5	5.95	4.44	2.39	7.8	8.3	10	108.6
325	Lyle and Darla Wipplinger	WIPP8 STALLION 10-3	5.69	4.71	3.79	7.6	8.0	11	106.6
125	ISU Swine Teaching Farm	AUST8 FAST LANE 3-7	5.72	4.70	2.48	7.9	7.8	2	104.8
117	ISU Swine Teaching Farm	TTF9 G10 TEX 7-1	5.77	5.13	2.89	7.1	7.5	1	103.7
269	Forkner Farms TRULINE® Genetics	FF8 SPADES 6-9	5.64	4.96	3.08	7.3	7.5	15	103.4
333	Lyle and Darla Wipplinger	WIPP6 ASLAN 26-3	5.66	4.57	1.96	7.1	7.0	6	103.3
109	ISU Swine Teaching Farm	IASU8 LION 40-2	5.79	5.15	2.20	7.3	7.7	4	103.2
357	Kurobuta Berkshire LLC	GFF7 ROSETTE BREAKTHRU 16-1	5.67	5.22	2.89	7.2	7.5	14	102.4
253	Michael Freund	MJF7 DELUXE 1-4	5.62	5.13	2.26	7.4	7.6	5	102.2
317	Lyle and Darla Wipplinger	WIPP7 PRINCE CASPIAN 26-2	5.64	5.29	2.38	7.0	7.8	7	101.5
141	Phenotypic Acres Inc.	IASU7 HISTORY MAKER 59-3	5.62	5.19	2.61	6.7	7.1	3	101.1
101	Englands Berkshires	PA8 HULK 24-7	5.70	5.51	2.24	7.3	7.5	12	100.3
341	Oak Hill Farm	IASU6 BLACK STALLION 71-1	5.56	5.24	2.35	7.1	7.0	13	100.0
221	Black Spring Farms	KASS9 BACK IN BLACK 6-3	5.62	5.36	2.26	6.6	7.2	8	99.6
Berkshire Breed Average:			5.71	5.01	2.57	7.3	7.6		103.3

2010 NBS® Progeny Test PORQUE Ranking

Traits adjusted for sex & off-test date.

PORQUE™ Awards are listed in BOLD. PORQUE Index represents 10% weight on Lean Growth measures and 90% weight on Eating Quality measures.

BREED = CHESTER WHITE			Instron	% IM	Sensory Panel		SS	PORQUE	
Group	Breeder	Sire	pH	Tender	Fat	Juic	Tender	Rank	INDEX
373	Randy and Becky Schmidt	TRF7 FAVRE 29-2	5.62	4.97	2.44	7.0	7.5	1	102.5
261	Brown Farms	HMB8 THE STUD 9-6	5.63	5.18	3.00	6.5	7.4	2	102.2
133	Neil Albertson	9 FILTHY RICH 3-5	5.52	5.21	2.50	7.0	7.0	4	98.9
365	Randy and Becky Schmidt	HMB8 THE STUD 9-6	5.59	5.98	2.07	6.0	6.5	3	95.0
Chester White Breed Average:			5.59	5.31	2.52	6.6	7.1		99.8

BREED = DUROC			Instron	% IM	Sensory Panel		SS	PORQUE	
Group	Breeder	Sire	pH	Tender	Fat	Juic	Tender	Rank	INDEX
237	Waldo Farms	WFD8 FIRESTONE 128-2	5.57	5.01	3.10	6.8	7.0	1	102.6
277	Forkner Farms TRULINE® Genetics	CC8 CLIMAX 12-11	5.76	5.63	4.00	6.9	7.2	3	102.2
293	ISU Swine Breeding Farm	ISUB9 PILLAR 37-2	5.62	6.10	3.66	6.5	7.4	2	98.1
301	ISU Swine Breeding Farm	ISUB8 TOTALLY WIDE OPEN 156-2	5.60	5.95	3.06	6.1	6.5	4	96.1
Duroc Breed Average:			5.64	5.66	3.47	6.6	7.1		99.9

BREED = LANDRACE			Instron	% IM	Sensory Panel		SS	PORQUE	
Group	Breeder	Sire	pH	Tender	Fat	Juic	Tender	Rank	INDEX
189	Whiteshire Hamroc®	WHI8 SAMPSON 333-13	5.58	5.71	1.79	6.3	7.3	4	97.4
149	Ohio State University	CBSW8 F SACK 46-2	5.50	5.50	2.62	5.9	6.4	2	97.1
165	Whiteshire Hamroc®	WHI8 RB BOY 549-10	5.49	5.59	2.60	6.5	7.1	1	97.0
173	Whiteshire Hamroc®	WHI8 PIKKUS 474-14	5.50	5.78	2.31	5.7	6.3	3	95.8
Landrace Breed Average:			5.51	5.65	2.26	6.0	6.6		96.3

2010 NBS® Progeny Test PORQUE Ranking

Traits adjusted for sex & off-test date.

PORQUE™ Awards are listed in BOLD. PORQUE Index represents 10% weight on Lean Growth measures and 90% weight on Eating Quality measures.

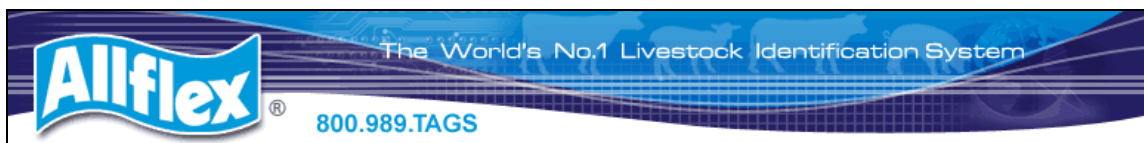
BREED = YORKSHIRE			Instron	% IM	Sensory Panel		SS	PORQUE	
Group	Breeder	Sire	pH	Tender	Fat	Juic	Tender	Rank	INDEX
181	Whiteshire Hamroc®	WHI8 SGI ERIK 471 38-8	5.62	5.23	3.01	6.9	7.0	1	100.8
213	Witzig Yorkshires	1 REW7 VIKING 1185 89-4	5.46	5.26	3.09	6.0	6.4	3	98.4
229	Waldo Farms	WFD8 PERFECTION 152-6	5.48	5.14	1.73	6.7	6.5	2	97.8
285	Forkner Farms TRULINE® Genetics	CC8 VISION 36-15	5.54	5.48	2.03	6.1	6.5	5	97.6
245	Wayne Huinker	WJH9 BEEFCAKE 33-1	5.59	5.35	1.71	6.3	6.3	4	97.4
205	Witzig Yorkshires	1REW8 PROGRESSOR 102-6	5.52	5.78	2.68	5.4	6.1	6	96.0
Yorkshire Breed Average:			5.54	5.38	2.39	6.2	6.5		98.0

BREED = CROSSBRED			Instron	% IM	Sensory Panel		SS	PORQUE	
Group	Breeder	Sire	pH	Tender	Fat	Juic	Tender	Rank	INDEX
197	Whiteshire Hamroc®	FAST FORWARD 46-4	5.50	4.57	2.39	8.0	8.1	1	104.5
Crossbred Breed Average:			5.50	4.57	2.39	8.0	8.1		104.5

ENTIRE TEST AVERAGE	Instron	% IM	Sensory Panel		PORQUE	
	pH	Tender	Fat	Juic	Tender	INDEX
	5.62	5.26	2.59	6.8	7.2	100.6

The 2011 NBS® Progeny Test delivery date is set for
FRIDAY, MARCH 25th. 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.



ABA, CPS, & NSR