



2011 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, 9/13.

A word about the 2011 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 2010 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 Amanda Tiedemann at 507-437-5306 or aktiedemann@hormel.com.

2011 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 = BERKSHIRE						Leg	PORQUE	SUPER SIRE™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
181	Innerst Berkshires	VA8 SGI BLACK DIAMOND 2-1	1.94	0.81	6.74	6.5	5	106.0
205	Phenotypic Acres Inc.	LIG8 ALL YOU WANT 18-2	1.98	1.23	6.26	5.0	2	101.8
325	Englands Bershires	REV0 KRUGER 6-1	1.91	1.27	5.88	4.9	1	101.4
213	ISU Swine Teaching Farm	IASU9 NST 19-1	1.80	0.88	6.64	5.3	3	101.1
197	Phenotypic Acres Inc.	PA7 MACHINE 18-2	1.83	1.13	6.10	5.1	4	94.4
189	Bennecoff Family Farm	OHF6 BIG FOOT 46-2	1.71	1.32	5.40	5.9	6	81.9
		BERKSHIRE Average	1.86	1.11	6.17	5.4		97.8

BREED = CHESTER WHITE						Leg	PORQUE	SUPER SIRE™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
333	Randy and Becky Schmidt	DCFS0 HENRY THE 8TH 7-1	2.09	1.17	7.24	7.0	1	109.1
341	Randy and Becky Schmidt	RCW0 RUDY'S LEGACY 1-2	1.93	0.99	7.45	8.3	3	101.9
309	Brown Farms	RCW9 EASY CLYDE 10-1	1.67	1.25	6.92	6.9	4	88.1
277	Wade Miller	9 BIG 2-2	1.63	1.36	7.21	6.9	2	86.3
		CHESTER WHITE Average	1.83	1.19	7.20	7.3		96.4

2011 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 = DUROC				Leg	PORQUE	SUPER SIRE™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
221	Comparts Boar Store	CBSW9 F TANGO 12-6	1.95	0.74	7.97	7.0	5	114.9
237	Waldo Farms	WFDM9 STONE GROUND 238-1	1.95	0.90	7.23	7.0	4	112.5
109	Whiteshire Hamroc	WHIH9 TUCKER 59-10	1.95	1.16	7.23	6.7	2	107.8
157	Whiteshire Hamroc	SDF9 BRAWNY 6-4	2.16	0.95	6.15	7.1	7	107.6
229	Comparts Boar Store	ISGE9 F TWINKLE 11-1	1.77	0.72	8.00	6.7	8	105.7
301	Forkner Farms TRULINE® Genetics	CC9 BASIC 15-6	1.98	1.28	5.56	6.4	1	103.1
126	Whiteshire Hamroc	DZS8 ESKIMO JOE SSP 58-1	2.01	1.20	6.14	6.5	3	103.0
173	Whiteshire Hamroc	WHIH9 ARSENAL 57-8	1.98	1.22	6.07	6.9	6	98.1
DUROC Average			1.97	1.02	6.80	6.8		106.6

		BREED = LANDRACE				Leg	PORQUE	SUPER SIRE™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
245	Waldo Farms	WFDM9 BUSTING OUT 266-1	2.03	0.91	6.20	6.3	2	104.6
117	Whiteshire Hamroc	WHI7 KARLSON 429-8	2.14	1.10	6.11	6.2	5	99.3
253	Waldo Farms	WFDM9 JA MAR SIR WINSTON 513M 119-1	1.95	0.99	6.30	6.7	3	99.0
165	Whiteshire Hamroc	CR9 ABRAHAM 297-1	2.08	1.12	6.67	5.7	6	98.9
151	Whiteshire Hamroc	WHIH9 KARLSON 381-13	1.91	1.07	6.50	5.3	4	94.8
101	Whiteshire Hamroc	WHIH9 SAKI 474-6	2.12	1.47	4.92	5.2	1	93.8
LANDRACE Average			2.04	1.11	6.12	5.9		98.4

2011 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 = YORKSHIRE				Leg	PORQUE	SUPER SIRE™
		Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
261	Waldo Farms	WFDM9 ONE JUSTICE 33-1	2.15	0.96	6.67	6.4	2	110.8
133	Whiteshire Hamroc	WHIH8 UKI 403-8	2.17	1.26	5.29	6.6	1	102.6
141	Whiteshire Hamroc	WHI6 UKI 328-13	2.09	1.07	6.07	6.4	5	101.3
293	Forkner Farms TRULINE® Genetics	CC7 MASTERBOY 139-1	1.88	0.98	6.06	6.2	3	99.5
269	Waldo Farms	WFDM9 UNIT 208-2	1.83	1.24	6.03	5.9	4	95.0
		YORKSHIRE Average	2.02	1.10	6.02	6.3		101.8

	ADG	BF10	LMA	Leg Sound.	SUPER SIRE™ INDEX
ENTIRE TEST AVERAGE	1.95	1.09	6.45	6.3	100.8

2011 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			Sensory Panel						PORQUE INDEX
Group	Breeder	Sire	pH	Instron Tender	% IM Fat	Juic	Tender	SS Rank	
325	Englands Bershires	REV0 KRUGER 6-1	5.88	3.32	2.30	7.9	8.4	3	106.8
205	Phenotypic Acres Inc.	LIG8 ALL YOU WANT 18-2	5.67	3.76	2.47	7.9	8.4	2	103.1
213	ISU Swine Teaching Farm	IASU9 NST 19-1	5.82	4.50	2.55	8.8	8.2	4	101.4
197	Phenotypic Acres Inc.	PA7 MACHINE 18-2	5.68	4.52	2.41	8.0	8.0	5	100.0
181	Innerst Berkshires	VA8 SGI BLACK DIAMOND 2-1	5.72	4.59	1.71	8.0	8.1	1	99.6
189	Bennecoff Family Farm	OHF6 BIG FOOT 46-2	5.66	4.89	2.17	8.1	7.8	6	96.6
BERKSHIRE Average			5.74	4.26	2.27	8.1	8.1		101.3

BREED = CHESTER WHITE			Sensory Panel						PORQUE INDEX
Group	Breeder	Sire	pH	Instron Tender	% IM Fat	Juic	Tender	SS Rank	
333	Randy and Becky Schmidt	DCFS0 HENRY THE 8TH 7-1	5.59	3.79	2.61	8.4	8.2	1	102.8
277	Wade Miller	9 BIG 2-2	5.71	4.70	2.19	8.2	8.1	4	98.0
341	Randy and Becky Schmidt	RCW0 RUDY'S LEGACY 1-2	5.52	4.34	2.43	7.9	7.1	2	97.2
309	Brown Farms	RCW9 EASY CLYDE 10-1	5.60	5.20	3.50	8.3	7.3	3	95.3
CHESTER WHITE Average			5.61	4.51	2.68	8.2	7.7		98.3

2011 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 = DUROC			Sensory Panel						PORQUE INDEX
Group	Breeder	Sire	pH	Instron Tender	% IM Fat	Juic	Tender	SS Rank	
301	Forkner Farms TRULINE® Genetics	CC9 BASIC 15-6	5.66	3.56	4.54	8.0	8.5	6	107.1
109	Whiteshire Hamroc	WHIH9 TUCKER 59-10	5.72	4.29	4.35	8.9	8.9	3	104.8
126	Whiteshire Hamroc	DZS8 ESKIMO JOE SSP 58-1	5.68	4.07	3.89	7.4	7.7	7	103.1
237	Waldo Farms	WFDM9 STONE GROUND 238-1	5.62	4.17	3.54	7.7	7.5	2	101.6
221	Comparts Boar Store	CBSW9 F TANGO 12-6	5.65	4.40	3.36	8.1	7.6	1	101.5
173	Whiteshire Hamroc	WHIH9 ARSENAL 57-8	5.63	4.37	3.68	7.1	7.1	8	100.2
157	Whiteshire Hamroc	SDF9 BRAWNY 6-4	5.63	4.65	3.40	7.6	7.1	4	99.2
229	Comparts Boar Store	ISGE9 F TWINKLE 11-1	5.55	4.35	2.77	8.1	7.4	5	98.9
DUROC Average			5.64	4.23	3.69	7.9	7.7		102.1

BREED = LANDRACE			Sensory Panel						PORQUE INDEX
Group	Breeder	Sire	pH	Instron Tender	% IM Fat	Juic	Tender	SS Rank	
101	Whiteshire Hamroc	WHIH9 SAKI 474-6	5.49	3.94	2.78	7.5	8.0	6	100.3
245	Waldo Farms	WFDM9 BUSTING OUT 266-1	5.54	3.73	2.27	7.7	7.5	1	99.1
253	Waldo Farms	WFDM9 JA MAR SIR WINSTON 513M 119-1	5.51	3.94	2.44	6.8	7.5	3	97.4
151	Whiteshire Hamroc	WHIH9 KARLSON 381-13	5.53	4.83	2.17	7.3	7.6	5	95.4
117	Whiteshire Hamroc	WHI7 KARLSON 429-8	5.48	4.43	2.13	6.7	6.6	2	95.1
165	Whiteshire Hamroc	CR9 ABRAHAM 297-1	5.51	4.59	1.93	7.3	7.2	4	94.9
LANDRACE Average			5.51	4.24	2.29	7.2	7.4		97.0

2011 NBS® Progeny Test PORQUE Ranking

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BREED = YORKSHIRE			Sensory Panel						
Group	Breeder	Sire	pH	Instron Tender	% IM Fat	Juic	Tender	SS Rank	PORQUE INDEX
133	Whiteshire Hamroc	WHIH8 UKI 403-8	5.55	3.73	3.27	7.5	8.0	2	102.3
261	Waldo Farms	WFDM9 ONE JUSTICE 33-1	5.50	3.55	2.71	7.2	7.4	1	100.7
293	Forkner Farms TRULINE® Genetics	CC7 MASTERBOY 139-1	5.53	3.80	2.07	7.7	7.8	4	100.5
269	Waldo Farms	WFDM9 UNIT 208-2	5.60	4.14	2.03	7.8	8.1	5	98.1
141	Whiteshire Hamroc	WHI6 UKI 328-13	5.61	4.52	2.25	7.8	7.8	3	97.6
YORKSHIRE Average			5.56	3.95	2.47	7.6	7.8		99.9

						Sensory Panel		
			pH	Instron Tender	% IM Fat	Juic	Tender	PORQUE INDEX
ENTIRE TEST AVERAGE			5.61	4.23	2.76	7.8	7.8	100.0

**The 2012 NBS® Progeny Test delivery date is set for
FRIDAY, MARCH 23rd. 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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