



2012
PROGENY TEST
SIRE SUMMARY

A word about the 2012 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 2011 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.

2012 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
309	Phenotypic Acres Inc.	PA9 ABRAHAM LINCOLN 20-7	1.73	1.04	6.16	5.4	3	97.6
301	Phenotypic Acres Inc. & Watts Quality Pork	2OHF6 HULK 118-1	1.90	1.36	4.77	5.9	1	97.3
333	Tuthill Family Farms	TUT0 CF SIXTY THREE 63-3	1.62	0.98	6.21	6.4	7	94.0
317	Burdette & Alex Conover	WKFO TAPS 4-1	1.76	1.20	5.55	6.2	6	93.1
109	Oak Hill Farm Berkshires	2OHF0 STRETCH 29-1	1.64	1.14	5.51	6.0	5	91.4
117	Oak Hill Farm Berkshires	OHF0 CORNERSTONE 21-1	1.69	1.27	5.09	5.4	2	90.9
269	Kurobuta Bertshire LLC	KURO0 PRETTY BOY 170-3	1.66	1.01	5.97	5.6	9	90.4
381	Lyle & Darla Wipplinger	WIPP1 ASLAN 4-1	1.52	1.14	5.87	6.1	4	89.2
325	Merrill & Linda Smith	WPF9 STIMULATOR 30-3	1.53	0.84	7.32	7.5	11	89.0
245	AJC Berkshires	AJC0 VINTAGE 1-4	1.62	1.03	6.16	6.2	10	88.6
261	Kurobuta Bertshire LLC	GFF0 SIR BARTON 84-10	1.67	1.39	5.15	6.0	8	82.0
BERKSHIRE Average			1.67	1.13	5.80	6.0		91.2

BREED = CHESTER WHITE						Leg	PORQUE	SUPER SIRE™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
389	Randy and Becky Schmidt	SC1 KANDYMAN 3-2	1.73	1.18	6.62	8.4	2	95.7
365	Brown Farms	BFC0 GENERAL STORE 66-2	1.79	1.22	5.93	6.7	1	94.8
237	Neil Albertson	BFC0 GENERAL STORE 66-2	1.73	0.97	6.18	7.4	3	93.2
CHESTER WHITE Average			1.75	1.12	6.24	7.5		94.6

2012 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 = DUROC				Leg	PORQUE	SUPER SIRE™
		Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
429	Waldo Farms	WFD0 HARVESTER 44-3	2.18	0.77	7.14	5.8	6	119.6
421	Waldo Farms	WFDM0 CRIMSON 250-4	2.11	0.88	7.57	6.5	4	117.9
413	Waldo Farms	WFDM0 WONKA 253-2	2.14	0.88	7.08	6.7	7	115.7
133	Whiteshire Hamroc	CS0 GRUS TUG BOAT 74-8	2.00	0.78	7.27	6.2	3	115.2
397	Waldo Farms	WFD0 WILLY 5-1	2.05	0.87	7.22	6.0	8	115.0
405	Waldo Farms	WFD0 EQUINOX 74-1	2.00	0.85	6.76	6.0	1	113.8
477	Comparts Boar Store	CBSW0 F LLOYD 40-2	1.95	0.76	7.02	5.8	5	112.8
341	Forkner Farms TRULINE® Genetics	CC0 ROVER 71-3	1.90	0.83	6.76	6.3	2	111.8
469	Comparts Boar Store	CBSW0 F RAMBO 42-1	1.84	0.65	7.64	6.1	10	107.0
149	Whiteshire Hamroc	CS1 S TOP DRAWER 46-7	1.76	0.92	6.57	6.1	9	99.2
		DUROC Average	1.99	0.82	7.10	6.1		112.8

Group	Breeder	BREED = LANDRACE				Leg	PORQUE	SUPER SIRE™
		Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
357	Forkner Farms TRULINE® Genetics	CC0 FREEDOM 45-10	1.87	0.91	7.09	5.3	3	101.0
277	The Ohio State University	1CR0 MAXIM 443-6	1.70	0.87	6.89	6.2	1	98.9
141	Whiteshire Hamroc	WHI9 F SAGE 295-13	1.91	1.01	6.16	5.7	2	98.1
293	The Ohio State University	WFD0 RODMAN 217-1	1.74	0.89	7.00	5.5	6	94.6
285	The Ohio State University	BTI0 LEXUS 47-9	1.82	1.06	6.01	6.2	4	92.8
445	Waldo Farms	WFDM0 JA MAR SIR WINSTON 513M 79-1	1.59	0.58	7.30	5.2	7	92.5
453	Waldo Farms	WFDM0 ALEXANDER 95-1	1.52	0.85	6.72	6.1	5	87.2
		LANDRACE Average	1.73	0.88	6.74	5.7		95.0

2012 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
157	Whiteshire Hamroc	WHI9 ULF 193-10	2.03	0.78	6.52	5.3	4	109.8
173	Whiteshire Hamroc	WHI9 TIEDOWN 287-15	1.98	0.74	6.45	6.3	5	108.4
189	Whiteshire Hamroc	WHI0 UKI 210-8	1.99	0.93	6.59	6.5	3	106.2
181	Whiteshire Hamroc	WHI7 FROSTER 348-11	1.99	0.97	6.58	7.4	2	105.8
125	Whiteshire Hamroc	WHIH0 KING LEAR 265-13	1.89	0.98	6.50	6.2	1	105.3
437	Waldo Farms	WFDM9 UNIT MAN 279-3	1.92	0.79	6.93	6.5	8	98.8
349	Forkner Farms TRULINE® Genetics	CC0 MASTERBOY 19-5	1.75	0.72	7.04	5.6	7	98.7
461	Waldo Farms	WFDM0 CANDOO 243-5	1.71	0.66	7.58	6.0	9	97.4
165	Whiteshire Hamroc	WHI0 GRUS ONE TON 34-9	1.74	0.88	6.62	5.8	6	94.6
YORKSHIRE Average			1.89	0.83	6.76	6.2		102.8

	ADG	BF10	LMA	Leg Sound.	SUPER SIRE™ INDEX
ENTIRE TEST AVERAGE	1.82	0.93	6.53	6.0	99.9

2012 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	
301	Phenotypic Acres Inc.& Watts Quality Pork	2OHF6 HULK 118-1	5.71	4.02	3.42	8.56	9.03	2	108.6
117	Oak Hill Farm Berkshires	OHF0 CORNERSTONE 21-1	5.76	4.60	2.67	8.76	8.50	6	104.8
309	Phenotypic Acres Inc.	PA9 ABRAHAM LINCOLN 20-7	5.77	4.90	2.98	7.90	8.72	1	103.7
381	Lyle & Darla Wipplinger	WIPP1 ASLAN 4-1	5.95	5.08	1.94	8.19	8.74	8	103.7
109	Oak Hill Farm Berkshires	2OHF0 STRETCH 29-1	5.74	5.08	3.99	8.17	8.22	5	102.9
317	Burdette & Alex Conover	WKF0 TAPS 4-1	5.66	5.02	3.22	9.10	9.26	4	102.7
333	Tuthill Family Farms	TUT0 CF SIXTY THREE 63-3	5.71	5.10	2.62	8.14	8.43	3	101.4
261	Kurobuta Bertshire LLC	GFF0 SIR BARTON 84-10	5.67	5.27	2.71	8.04	8.60	11	100.4
269	Kurobuta Bertshire LLC	KURO0 PRETTY BOY 170-3	5.86	5.40	2.34	7.58	7.54	7	99.7
245	AJC Berkshires	AJC0 VINTAGE 1-4	5.73	5.44	1.86	7.56	7.87	10	98.2
325	Merrill & Linda Smith	WPF9 STIMULATOR 30-3	5.68	6.11	2.03	7.63	7.48	9	94.6
BERKSHIRE Average			5.75	5.09	2.71	8.15	8.40		101.9

BREED = CHESTER WHITE			Sensory Panel						PORQUE INDEX
Group	Breeder	Sire	pH	Instron Tender	% IM Fat	Juic	Tender	SS Rank	
365	Brown Farms	BFC0 GENERAL STORE 66-2	5.77	4.78	2.79	8.34	8.95	2	103.6
389	Randy and Becky Schmidt	SC1 KANDYMAN 3-2	5.76	5.01	2.99	8.33	8.24	1	103.1
237	Neil Albertson	BFC0 GENERAL STORE 66-2	5.74	5.34	2.13	8.00	7.77	3	98.5
CHESTER WHITE Average			5.75	5.05	2.64	8.22	8.32		101.7

2012 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						
Group	Breeder	Sire	pH	Instron Tender	% IM Fat	Juic	Tender	SS Rank	PORQUE INDEX
405	Waldo Farms	WFD0 EQUINOX 74-1	5.63	4.61	3.55	8.77	8.71	6	105.6
341	Forkner Farms TRULINE® Genetics	CC0 ROVER 71-3	5.54	4.26	2.72	7.81	8.48	8	105.4
133	Whiteshire Hamroc	CS0 GRUS TUG BOAT 74-8	5.73	4.61	2.98	8.63	8.52	4	105.0
421	Waldo Farms	WFDM0 CRIMSON 250-4	5.65	4.85	3.43	8.18	8.44	2	104.3
477	Comparts Boar Store	CBSW0 F LLOYD 40-2	5.52	4.77	3.75	8.42	8.36	7	103.8
429	Waldo Farms	WFD0 HARVESTER 44-3	5.59	4.73	3.30	7.56	7.78	1	103.5
413	Waldo Farms	WFDM0 WONKA 253-2	5.66	4.94	3.00	8.08	7.82	3	103.2
397	Waldo Farms	WFD0 WILLY 5-1	5.54	4.86	3.54	7.88	7.51	5	103.0
149	Whiteshire Hamroc	CS1 S TOP DRAWER 46-7	5.65	5.68	3.29	8.00	7.72	10	98.6
469	Comparts Boar Store	CBSW0 F RAMBO 42-1	5.55	5.56	2.94	8.24	6.48	9	97.9
DUROC Average			5.61	4.89	3.25	8.16	7.98		103.0

BREED = LANDRACE			Sensory Panel						
Group	Breeder	Sire	pH	Instron Tender	% IM Fat	Juic	Tender	SS Rank	PORQUE INDEX
277	The Ohio State University	1CR0 MAXIM 443-6	5.47	4.67	2.65	8.27	8.32	2	100.5
141	Whiteshire Hamroc	WHI9 F SAGE 295-13	5.47	4.80	2.28	7.91	7.66	3	98.9
357	Forkner Farms TRULINE® Genetics	CC0 FREEDOM 45-10	5.39	4.74	1.92	7.29	7.10	1	98.0
285	The Ohio State University	BTI0 LEXUS 47-9	5.39	4.91	2.24	7.04	7.80	5	97.6
453	Waldo Farms	WFDM0 ALEXANDER 95-1	5.50	5.15	1.85	7.38	7.45	7	95.2
293	The Ohio State University	WFD0 RODMAN 217-1	5.41	5.71	2.46	7.17	7.33	4	93.6
445	Waldo Farms	WFDM0 JA MAR SIR WINSTON 513M 79-1	5.52	6.03	2.18	7.48	7.55	6	92.6
LANDRACE Average			5.45	5.15	2.23	7.50	7.60		96.6

2012 NBS® Progeny Test PORQUE Ranking

Traits adjusted for sex & off-test date.

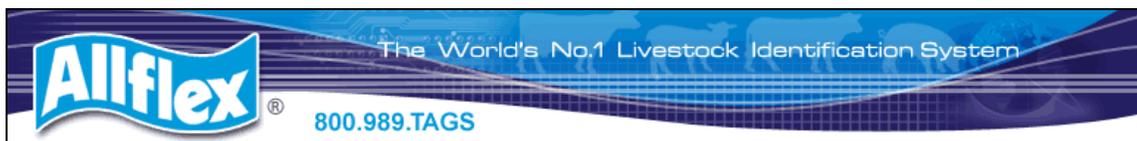
PORQUE™ Awards are listed in BOLD. PORQUE Index represents 10% weight on Lean Growth measures and 90% weight on Eating Quality measures.

BREED = YORKSHIRE			Sensory Panel						PORQUE INDEX
Group	Breeder	Sire	pH	Instron Tender	% IM Fat	Juic	Tender	SS Rank	
125	Whiteshire Hamroc	WHIH0 KING LEAR 265-13	5.56	4.28	2.64	8.33	8.68	5	104.2
181	Whiteshire Hamroc	WHI7 FROSTER 348-11	5.49	4.61	2.40	8.17	8.35	4	101.4
189	Whiteshire Hamroc	WHI0 UKI 210-8	5.47	4.77	2.43	8.40	8.55	3	100.9
157	Whiteshire Hamroc	WHI9 ULF 193-10	5.58	4.75	2.32	8.17	8.22	1	100.8
173	Whiteshire Hamroc	WHI9 TIEDOWN 287-15	5.59	4.92	2.57	7.96	7.79	2	100.5
165	Whiteshire Hamroc	WHI0 GRUS ONE TON 34-9	5.57	5.27	2.30	7.21	7.24	9	96.8
349	Forkner Farms TRULINE® Genetics	CC0 MASTERBOY 19-5	5.39	5.22	1.60	7.41	7.32	7	96.7
437	Waldo Farms	WFDM9 UNIT MAN 279-3	5.49	5.75	1.52	7.29	7.61	6	92.8
461	Waldo Farms	WFDM0 CANDOO 243-5	5.43	5.71	1.94	7.19	7.30	8	92.7
YORKSHIRE Average			5.51	5.03	2.19	7.79	7.90		98.5

	Sensory Panel					PORQUE INDEX
	pH	Instron Tender	% IM Fat	Juic	Tender	
ENTIRE TEST AVERAGE	5.60	5.07	2.53	7.88	7.92	100.0

**The 2013 NBS® Progeny Test delivery date is set for
FRIDAY, MARCH 22nd. 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