



2014
PROGENY TEST
SIRE SUMMARY

A word about the 2014 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 Morgan Core at 507-437-5306 or mlcore@hormel.com.

2014 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
189	Tuthill Family Farms	TUT2 BIG B 116-6	1.84	0.70	8.46	6.2	17	102.06
389	Fly'n K Berks	IASU1 RAINMAKER 78-1	1.82	0.81	7.14	5.7	9	100.66
373	Fly'n K Berks	MLS3 AIRBUS A340 10-4	1.85	0.91	7.00	5.9	6	99.81
173	AJC Berkshires	AJC3 WARHORSE 9-3	1.97	0.98	6.51	5.0	8	99.80
309	Oak Hill Farm Berkshires	OHF1 CONSISTENT STALLION 20-3	1.91	0.92	5.36	5.8	7	95.02
381	Fly'n K Berks	MLS3 AIRBUS 10-4	1.90	0.98	6.27	5.9	13	94.95
301	Merrill & Linda Smith	MLS3 GOOD BUDDY 10-5	1.73	0.90	7.31	6.1	16	94.22
349	Kurobuta Berkshires LLC	2VA2 FAST LANE 11-3	1.61	0.79	7.32	5.4	10	93.75
149	Phenotypic Acres	PA9 GOLD MEDAL 4-4	1.72	1.07	5.63	5.4	1	93.71
357	Lyle & Darla Wipplinger	KURO3 MASTER 58-6	1.95	1.26	4.67	5.5	2	92.37
405	Fly'n K Berks	KSWV1 DREAM SCHEME 9-12	1.79	1.12	6.45	5.9	12	91.08
205	Daniel Helgen	DZB2 MACHINE 156-10	1.86	1.20	5.17	5.7	4	90.78
333	Seybold Berkshires	AJC0 BAXTER 9-2	1.75	0.99	6.51	5.3	14	90.12
197	Daniel Helgen	DZB8 KA CHING 64-10	1.69	1.04	5.31	4.3	3	89.90
157	Phenotypic Acres	PA2 POWERLINE 51 26-14	1.86	1.18	5.88	5.3	11	88.81
341	Kurobuta Berkshires	KURO2 GEM 19-3	1.74	1.30	5.28	5.3	5	84.49
165	Phenotypic Acres	PA2 SGI BLACK LION 16-10	1.62	0.99	5.20	4.9	15	81.14
BERKSHIRE Average			1.8	1.00	6.17	5.48		93.21

BREED = CHESTER WHITE						Leg	PORQUE	SUPER SIRE™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
181	Herb Brown	AG2 BLIZZARD WARNING 11-6	1.92	1.22	6.97	5.78	1	93.56
CHESTER WHITE Average			1.92	1.22	6.97	5.78		93.56

2014 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
261	Waldo Genetics	WFD2 WILLARD 204-1	2.27	0.76	7.35	6.0	4	116.83
269	Waldo Genetics	WFD3 RED LEGEND 13-2	2.23	0.80	7.55	6.1	3	116.81
277	Waldo Genetics	WFD2 K RED 115-1	2.07	0.60	8.41	5.9	6	114.42
141	Whiteshire Hamroc	HP1 HP ALL STAR 17-8	2.10	0.82	7.37	5.6	1	112.96
125	Whiteshire Hamroc	WHIH2 S TOP DRAWER 151-8	2.00	0.71	7.72	5.4	2	112.95
293	Waldo Genetics	WFD2 K RED 115-1	2.03	0.72	8.05	5.7	8	109.34
285	Waldo Genetics	WFD2 Blarney 181-2	2.12	0.88	7.34	5.7	7	106.78
325	Forkner/Truline Genetics	HD2 TRIFECTA 49-1	2.06	0.87	7.27	6.7	5	105.38
DUROC Average			2.11	0.76	7.62	5.90		112.29

BREED = LANDRACE						Leg	PORQUE	SUPER SIRE™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
213	Waldo Genetics	WFDM2 ALLEY 313-1	1.98	0.72	7.64	5.9	2	100.08
117	Whiteshire Hamroc	WHI2 SAMSON 66-13	2.20	0.94	6.42	5.8	1	98.68
LANDRACE Average			2.08	0.82	7.07	5.84		99.43

2014 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
229	Waldo Genetics	WFDM2 PIZAZZ 310-8	2.05	0.65	7.95	5.6	2	111.09
221	Waldo Genetics	WFDM2 CUBE 434-2	1.96	0.58	7.73	5.9	1	107.60
133	Whiteshire Hamroc	WHIH2 FROSTER 211-12	2.08	0.90	6.60	6.2	3	98.63
109	Whiteshire Hamroc	WHI2 ULF 175-11	2.01	0.86	7.00	5.6	4	97.54
317	Forkner Farms/Truline Genetics	CC2 BART 24-8	1.79	0.88	6.42	5.2	5	82.39
YORKSHIRE Average			1.98	0.78	7.09	5.65		98.60

BREED = CROSSBRED (White Duroc)						Leg	PORQUE	SUPER SIRE™
Group	Breeder	Sire	ADG	BF10	LMA	Sound.	Rank	INDEX
245	Waldo Genetics	WFD3 MS BOLD STROKE 23-2	2.29	0.65	7.09	5.5	2	114.20
237	Waldo Genetics	WFD2 COMMITMENT 140-1	2.20	0.73	8.12	6.3	3	113.48
253	Waldo Genetics	WFD2 MS BOLD STROKE 176-3	2.16	0.88	7.44	5.5	1	108.28
CROSSBRED Average			2.22	0.76	7.54	5.75		111.82

			ADG	BF10	LMA	Leg Sound.	SUPER SIRE™ INDEX
ENTIRE TEST AVERAGE			1.95	0.90	6.81	5.65	100.12

2014 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	
149	Phenotypic Acres	PA9 GOLD MEDAL 4-4	5.68	4.48	3.20	7.72	8.15	9	106.88
357	Lyle & Darla Wipplinger	KURO3 MASTER 58-6	5.75	4.56	2.83	7.64	7.07	10	105.52
197	Daniel Helgen	DZB8 KA CHING 64-10	5.84	4.70	2.62	7.53	7.26	14	105.37
205	Daniel Helgen	DZB2 MACHINE 156-10	5.92	5.09	2.46	7.53	7.47	12	104.42
341	Kurobuta Berkshires	KURO2 GEM 19-3	5.80	4.77	2.37	6.53	7.18	16	103.33
373	Fly'n K Berks	MLS3 AIRBUS A340 10-4	5.61	4.81	2.16	7.14	7.47	3	102.19
309	Oak Hill Farm Berkshires	OHF1 CONSISTENT STALLION 20-3	5.83	5.27	2.46	7.45	7.14	5	101.66
173	AJC Berkshires	AJC3 WARHORSE 9-3	5.76	4.76	1.53	6.12	7.61	4	101.62
389	Fly'n K Berks	IASU1 RAINMAKER 78-1	5.61	4.88	2.22	7.03	7.44	2	101.43
349	Kurobuta Berkshires LLC	2VA2 FAST LANE 11-3	5.66	5.22	2.41	7.13	6.66	8	100.53
157	Phenotypic Acres	PA2 POWERLINE 51 26-14	5.70	5.28	2.48	6.84	6.76	15	100.17
405	Fly'n K Berks	KSWV1 DREAM SCHEME 9-12	5.65	5.05	2.16	6.56	6.88	11	99.86
381	Fly'n K Berks	MLS3 AIRBUS 10-4	5.62	5.32	2.15	6.76	7.65	6	99.81
333	Seybold Berkshires	AJC0 BAXTER 9-2	5.68	5.49	2.10	6.85	7.00	13	98.98
165	Phenotypic Acres	PA2 SGI BLACK LION 16-10	5.72	5.53	2.19	6.65	6.74	17	98.60
301	Merrill & Linda Smith	MLS3 GOOD BUDDY 10-5	5.58	5.37	1.91	6.41	6.80	7	98.07
189	Tuthill Family Farms	TUT2 BIG B 116-6	5.65	5.77	1.57	6.03	7.08	1	96.50
			5.72	5.07	2.30	6.93	7.21		101.53

BREED = CHESTER WHITE			Sensory Panel						PORQUE INDEX
Group	Breeder	Sire	pH	Instron Tender	% IM Fat	Juic	Tender	SS Rank	
181	Herb Brown	AG2 BLIZZARD WARNING 11-6	5.73	5.19	2.15	7.24	7.26	1	99.99
CHESTER WHITE Average			5.73	5.19	2.15	7.24	7.26		99.99

2014 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		
141	Whitshire Hamroc	HP1 HP ALL STAR 17-8	5.73	5.20	4.39	7.15	7.20	4	104.02	
125	Whitshire Hamroc	WHIH2 S TOP DRAWER 151-8	5.66	4.94	3.21	6.76	7.56	5	103.94	
269	Waldo Genetics	WFD3 RED LEGEND 13-2	5.69	5.03	2.97	6.93	7.21	2	103.23	
261	Waldo Genetics	WFD2 WILLARD 204-1	5.65	5.04	3.01	6.81	7.26	1	102.18	
325	Forkner Farms/Truline Genetics	HD2 Trifecta 49-1	5.76	5.40	2.33	6.91	6.13	8	100.22	
277	Waldo Genetics	WFD2 K RED 115-1	5.73	5.68	2.29	6.64	7.17	3	99.54	
285	Waldo Genetics	WFD2 Blarney 181-2	5.74	5.65	2.99	5.83	6.57	7	99.29	
293	Waldo Genetics	WFD2 K RED 115-1	5.70	5.62	2.35	6.70	6.71	6	99.13	
DUROC Average			5.72	5.32	2.90	6.71	7.00		101.44	

BREED = LANDRACE			Sensory Panel							PORQUE INDEX
Group	Breeder	Sire	pH	Instron Tender	% IM Fat	Juic	Tender	SS Rank		
117	Whitshire Hamroc	WHI2 SAMSON 66-13	5.60	5.97	2.31	5.60	5.37	2	93.89	
213	Waldo Genetics	WFDM2 ALLEY 313-1	5.53	5.88	1.85	5.60	6.00	1	93.72	
LANDRACE Average			5.56	5.92	2.07	5.60	5.71		93.80	

2014 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						
Group	Breeder	Sire	pH	Instron Tender	% IM Fat	Juic	Tender	SS Rank	PORQUE INDEX
221	Waldo Genetics	WFDM2 CUBE 434-2	5.60	5.02	1.86	5.60	6.33	2	98.40
229	Waldo Genetics	WFDM2 PIZZAZZ 310-8	5.62	5.39	1.72	6.99	6.72	1	98.34
133	Whiteshire Hamroc	WHIH2 FROSTER 211-12	5.63	6.03	2.57	6.37	6.36	3	95.71
109	Whiteshire Hamroc	WHI2 ULF 175-11	5.67	5.95	2.46	5.59	5.99	4	94.83
317	Forkner Farms/Truline Genetics	CC2 BART 24-8	5.53	6.47	1.74	4.55	5.34	5	89.62
YORKSHIRE Average			5.61	5.81	2.08	5.74	6.11		95.12

BREED = CROSSBRED			Sensory Panel						
Group	Breeder	Sire	pH	Instron Tender	% IM Fat	Juic	Tender	SS Rank	PORQUE INDEX
253	Waldo Genetics	WFD2 MS BOLD STROKE 176-3	5.62	5.34	2.98	6.23	6.07	3	99.19
245	Waldo Genetics	WFD3 MS BOLD STROKE 23-2	5.57	5.41	2.22	6.07	6.43	1	98.24
237	Waldo Genetics	WFD2 COMMITMENT 140-1	5.69	5.62	2.13	6.33	6.54	2	98.08
CROSSBRED Average			5.63	5.45	2.47	6.21	6.33		98.53

			Sensory Panel				PORQUE INDEX	
			pH	Instron Tender	% IM Fat	Juic	Tender	
ENTIRE TEST AVERAGE			5.69	5.30	2.41	6.61	6.87	99.98

The 2015 NBS® Progeny Test delivery date is set for
FRIDAY, MARCH 20th. 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