



Sponsored by: **NSR**  
NATIONAL SWINE REGISTRY

# 2005 National Picture Judging Contest

*The data used in this contest is intended for educational purposes and is not the actual data for the pigs pictured. The figures accompanying the pictures will be used by our official judges, however, to determine the official placings. Listed below is an explanation of terms used in the contest.*

**EXPECTED PROGENY DIFFERENCE (EPD)** – An EPD is the best estimate of a sire or dam's genetic worth, given the information available. It is the actual difference in performance a producer can expect from future progeny of a sire or dam, relative to the future progeny of an average tested parent. Positive EPDs are more desirable for number born alive, 21-day litter weight, and pounds of lean. Negative EPDs are more desirable for days/250 and backfat.

**EPD NUMBER BORN ALIVE (NBA)** – Predicts the number born alive for each individual's progeny, relative to an average tested pig. A sow with an EPD of +0.5 would be expected to produce daughters that would farrow litters with 0.5 more pigs than an average tested sow.

**EPD 21-DAY LITTER WEIGHT (LWT)** – Predicts the 21-day litter weight for an animal's progeny. A sow with an EPD of +3.4 would be expected to produce daughters which would produce litters 3.4 pounds heavier at 21 days than an average tested sow.

**SOW PRODUCTIVITY INDEX (SPI)** – An index for reproductive traits that combines number born alive and 21-day litter weight. Ancestral data and a sow's lifetime data are included in her SPI.

**EPD DAYS/250 (DAYS)** – Predicts performance of the offspring of an animal. A boar with an EPD of -3.0 would

be expected to produce progeny that would reach 250 pounds three days faster than an average tested boar.

**EPD BACKFAT (BF)** – Predicts backfat of the offspring. A boar with an EPD of -0.04 would be expected to sire pigs .04 inches leaner than an average tested boar.

**EPD POUNDS OF LEAN (LBS.)** – Pounds of fat-free lean adjusted to a 185-pound carcass. A boar with an EPD of 3.0 would be expected to sire offspring with 3 more pounds of lean than an average tested boar.

**MATERNAL LINE INDEX (MLI)** – This index weights EPDs for both terminal and maternal traits, relative to their economic values, placing approximately twice as much emphasis on reproductive traits, relative to post-weaning traits.

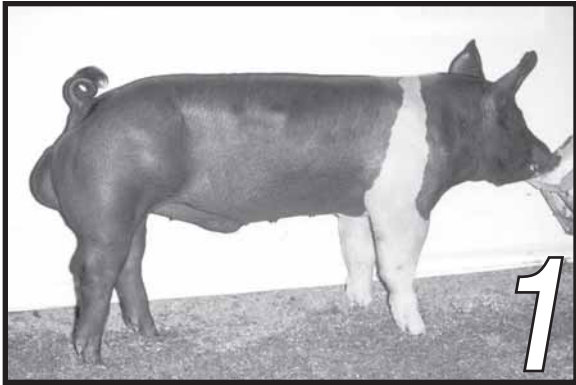
**TERMINAL SIRE INDEX (TSI)** – This index combines growth, pounds of fat-free lean and backfat. Selection on this index is appropriate to use to select boars for use as terminal sires in a crossbreeding program.

**SWINE TESTING AND GENETIC EVALUATION SYSTEM (STAGES)** – A genetic evaluation system provided to the members of the four breed associations of the National Swine Registry. STAGES utilizes performance records for Growth, Backfat, Pounds of Lean, Litter Size and Litter Weight to predict the genetic value of each pig and its parents.

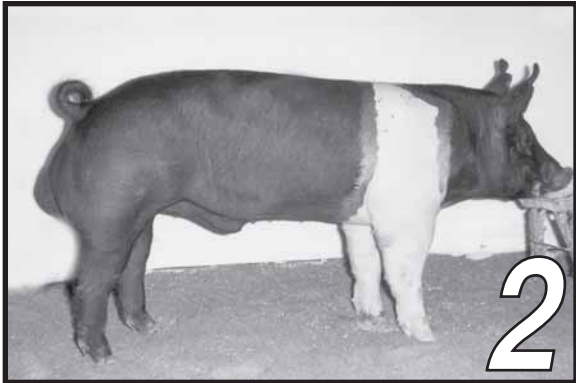
**NOTICE: ENTRIES MUST BE POSTMARKED BY MARCH 1, 2005**

## Class 1 – HAMPSHIRE BOARS

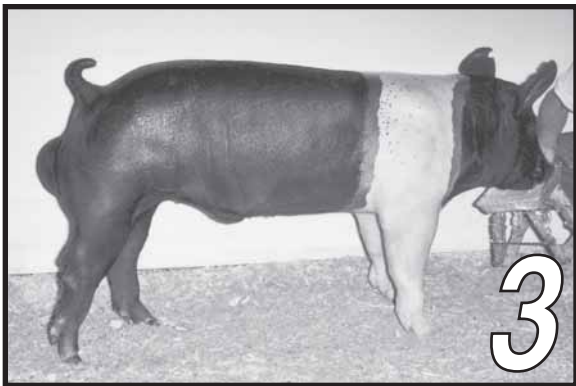
Scenario: Rank these boars who will produce purebred seedstock to be sold through state and national events.



EPDs: -1.83 Days, -0.05 BF, +0.06 NBA, 107.9 MLI, 116.3 TSI



EPDs: -1.23 Days, +0.02 BF, -0.10 NBA, 99.8 MLI, 107.8 TSI



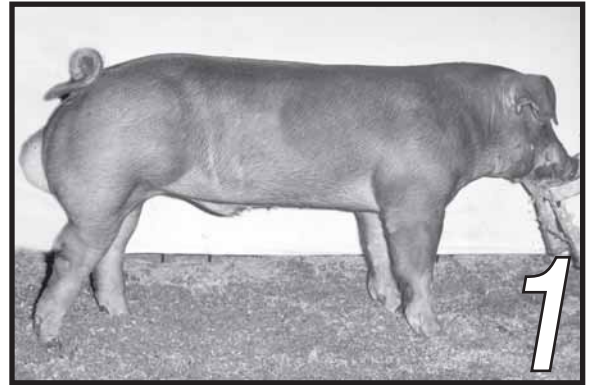
EPDs: -1.04 Days, -0.02 BF, +0.09 NBA, 104.4 MLI, 108.8 TSI



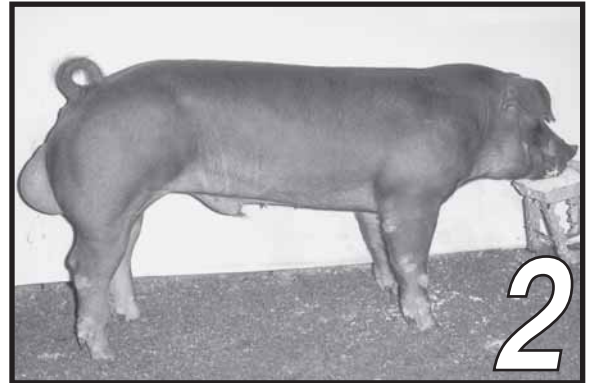
EPDs: -0.80 Days, 0.00 BF, +0.05 NBA, 103.0 MLI, 108.1 TSI

## Class 2 – DUROC BOARS

Scenario: Rank these boars to be bred to Duroc females for the production of purebred derby market hogs.



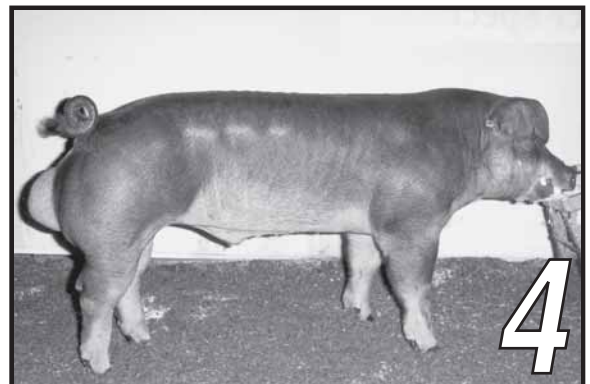
EPDs: -2.29 Days, -0.04 BF, +0.72 Lbs., 116.5 TSI



EPDs: -1.84 Days, 0.0 BF, +0.30 Lbs., 113.2 TSI



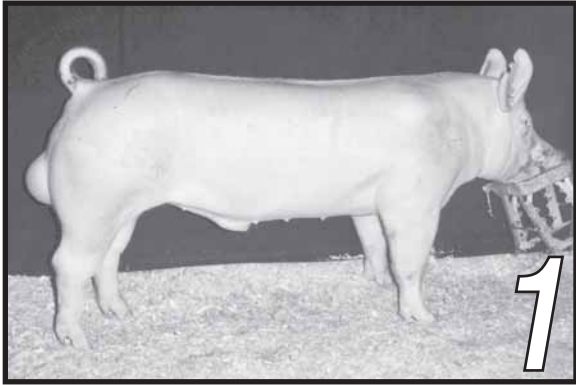
EPDs: -1.75 Days, +0.01 BF, -0.40 Lbs., 110.3 TSI



EPDs: -2.64 Days, -0.02 BF, +0.39 Lbs., 116.8 TSI

### **Class 3 – YORKSHIRE BOARS**

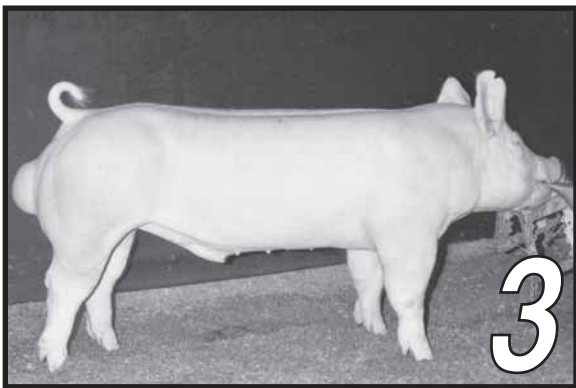
Scenario: Rank these boars to be bred to Hampshire gilts for the production of bluebutt showpigs.



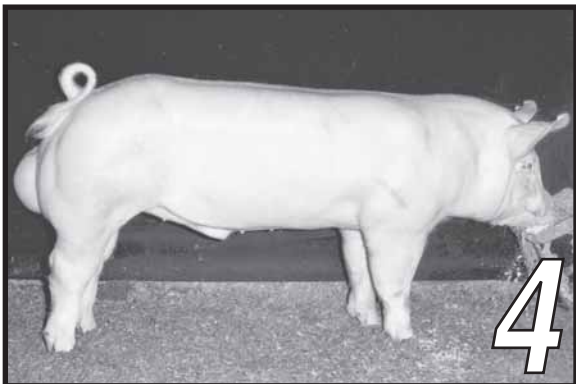
EPDs: -2.23 Days, -0.02 BF, +0.38 Lbs., 115.4 TSI



EPDs: -1.15 Days, -0.05 BF, +0.69 Lbs., 112.5 TSI



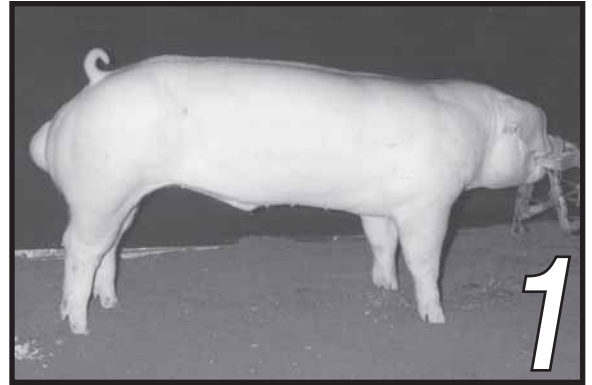
EPDs: -3.04 Days, -0.02 BF, +0.33 Lbs., 118.5 TSI



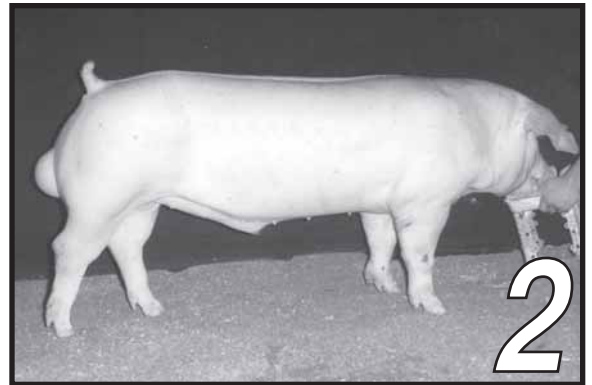
EPDs: -3.66 Days, -0.02 BF, +0.03 Lbs., 119.5 TSI

### **Class 4 – LANDRACE BOARS**

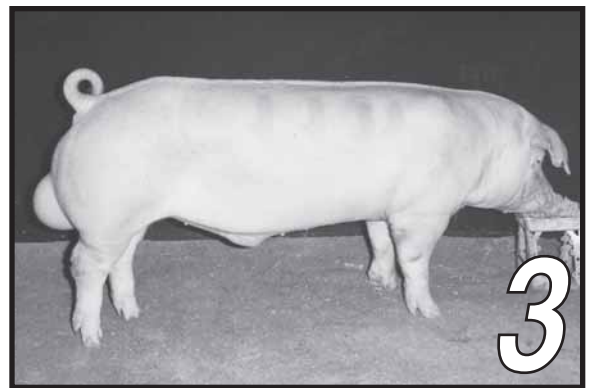
Scenario: Rank these boars to be bred to Landrace gilts for the production of grandparent stock.



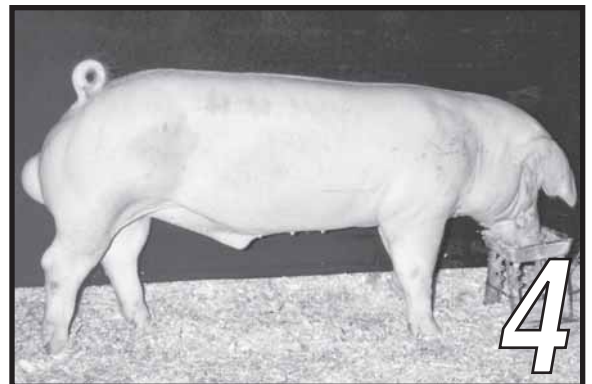
EPDs: +0.50 Days, -0.03 BF, +1.7 NBA, +3.02 LWT, 105.4 MLI



EPDs: -0.78 Days, -0.02 BF, +0.17 NBA, +2.88 LWT, 106.1 MLI



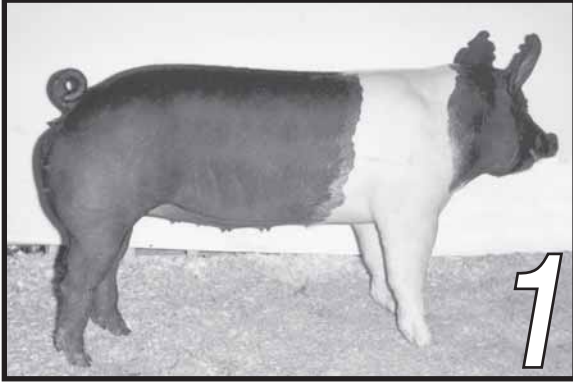
EPDs: -3.13 Days, 0.0 BF, -0.33 NBA, +7.81 LWT, 106.0 MLI



EPDs: -1.39 Days, -0.01 BF, -0.07 NBA, +5.20 LWT, 105.1 MLI

## Class 5 – HAMPSHIRE GILTS

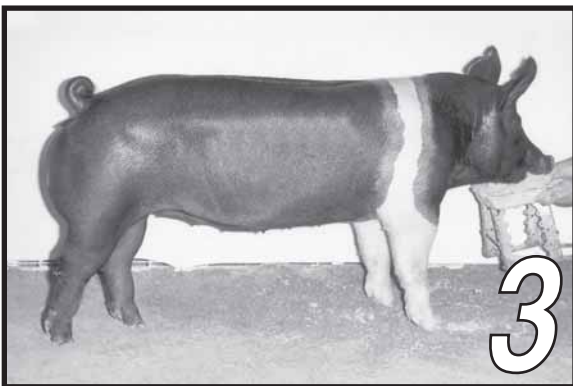
Scenario: Rank these gilts to be bred to Hampshire boars for the production of purebred gilts for the National Junior Summer Spectacular.



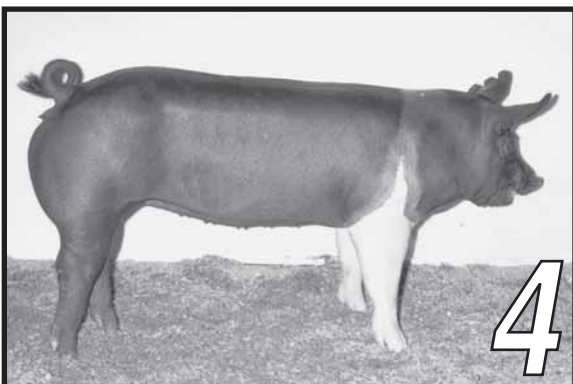
EPDs: -4.28 Days, +0.01 BF, +0.53 NBA, +6.01 LWT, 118.5 MLI



EPDs: -1.27 Days, -0.02 BF, +0.76 NBA, +4.76 LWT, 119.4 MLI



EPDs: -2.31 Days, -0.04 BF, +0.45 NBA, +8.10 LWT, 119.6 MLI



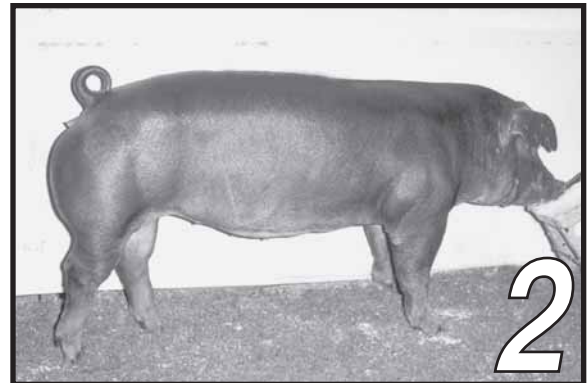
EPDs: +0.63 Days, -0.01 BF, +0.67 NBA, +11.83 LWT, 117.9 MLI

## Class 6 – DUROC GILTS

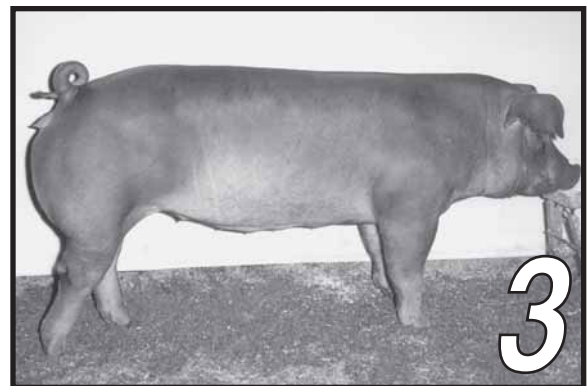
Scenario: Rank these gilts to be bred to Duroc boars for the production of barrows for the NBS® Junior Barrow Classic.



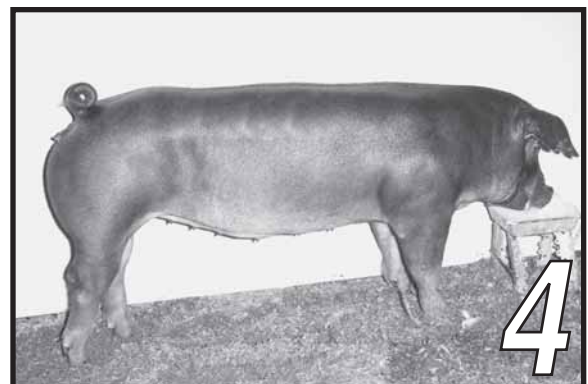
EPDs: -3.56 Days, -0.03 BF, +0.47 Lbs., 120.9 TSI



EPDs: -4.04 Days, +0.01 BF, -0.16 Lbs., 120.6 TSI



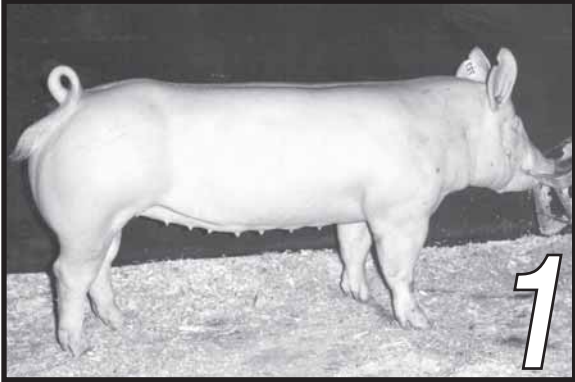
EPDs: -5.01 Days, +0.06 BF, -1.10 Lbs., 120.6 TSI



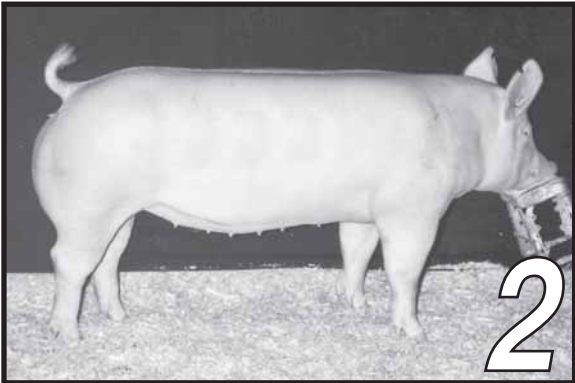
EPDs: -2.51 Days, -0.06 BF, +0.60 Lbs., 117.0 TSI

## Class 7 – YORKSHIRE GILTS

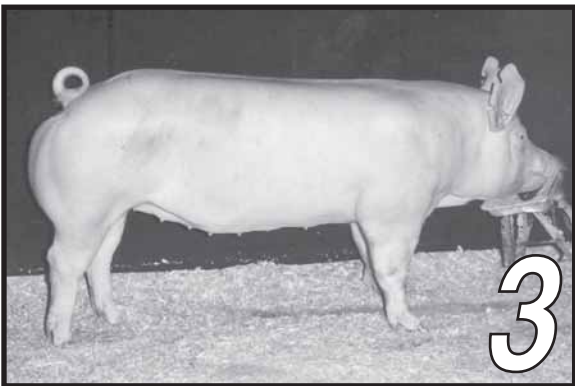
Scenario: Rank these gilts to be bred to Yorkshire boars for the production of elite breeding stock to be marketed through national type conferences.



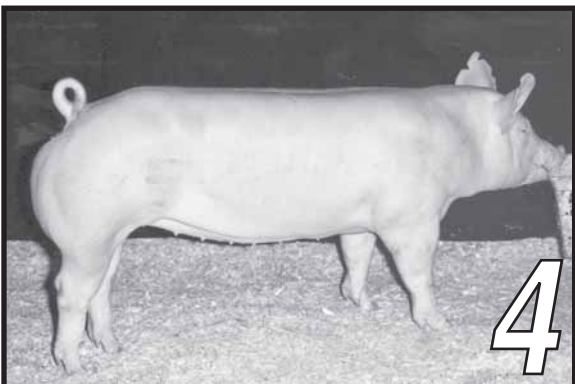
EPDs: -1.15 Days, -0.05 BF, +0.28 NBA, +4.06 LWT, 111.5 MLI



EPDs: -0.27 Days, -0.01 BF, +0.40 NBA, +9.31 LWT, 113.6 MLI



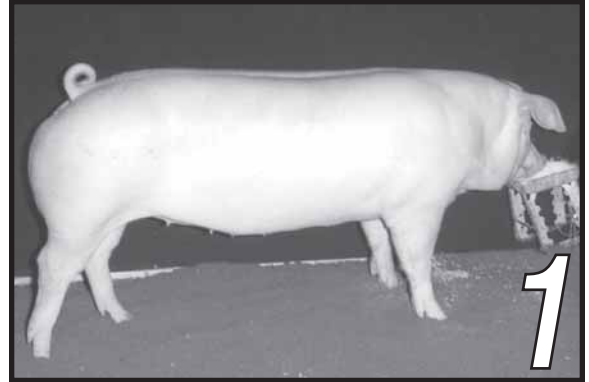
EPDs: -0.60 Days, 0.0 BF, +0.55 NBA, +5.00 LWT, 113.6 MLI



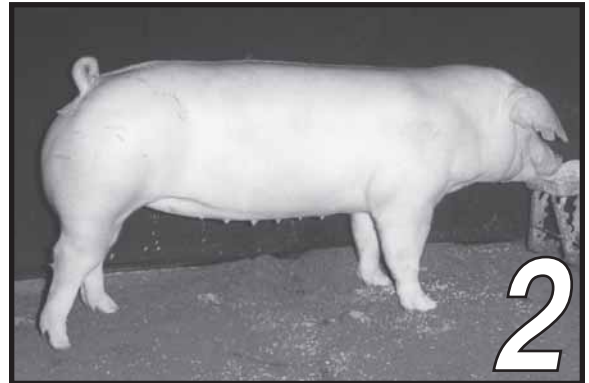
EPDs: -3.04 Days, -0.02 BF, +0.32 NBA, +2.50 LWT, 113.7 MLI

## Class 8 – LANDRACE GILTS

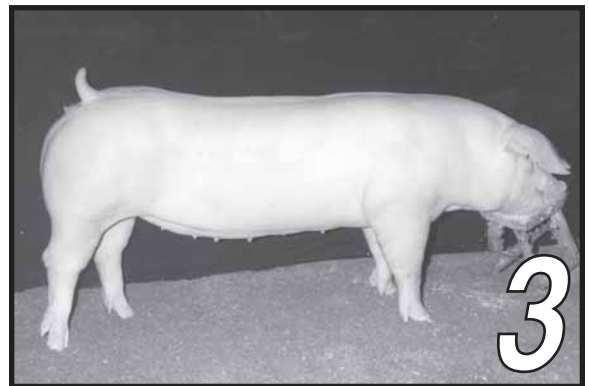
Scenario: Rank these gilts to be bred to Yorkshire boars for the production of F1 females.



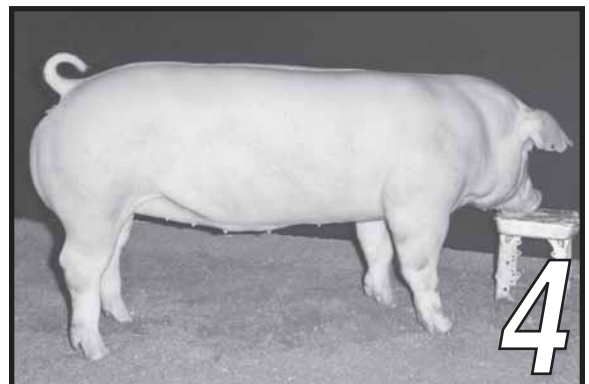
EPDs: -1.39 Days, -0.01 BF, -0.07 NBA, +5.20 LWT, 102.9 SPI



EPDs: -0.27 Days, -0.03 BF, +0.16 NBA, +0.90 LWT, 103.2 SPI

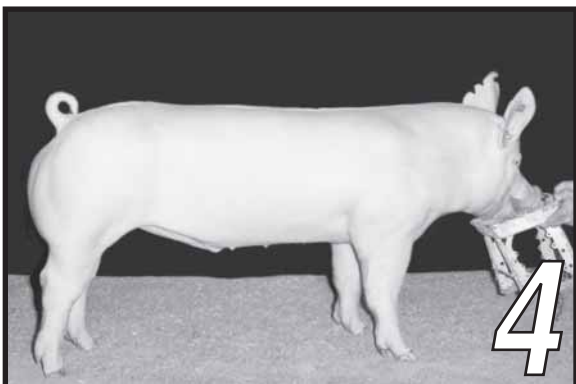
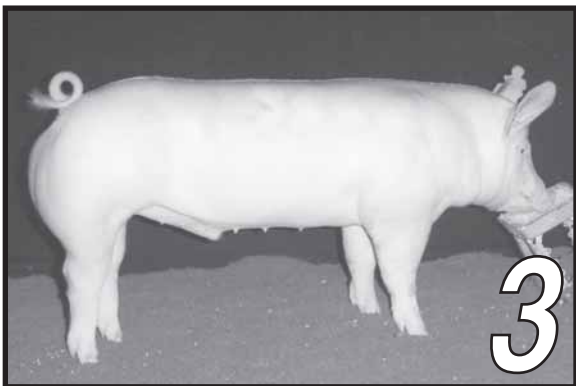
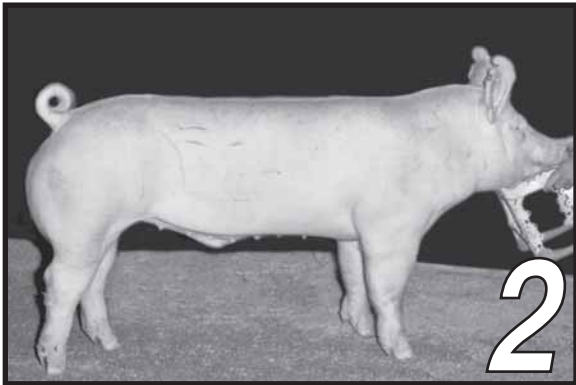
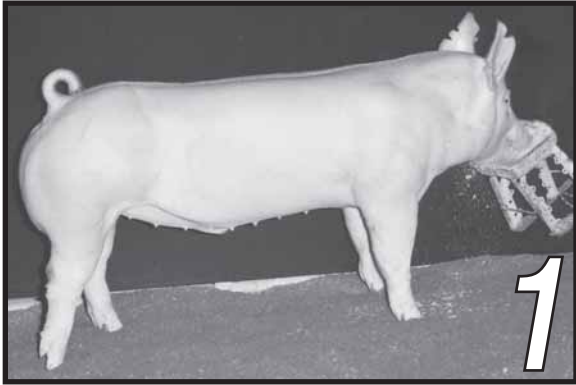


EPDs: -1.38 Days, -0.04 BF, -0.09 NBA, +1.78 LWT, 100.3 SPI

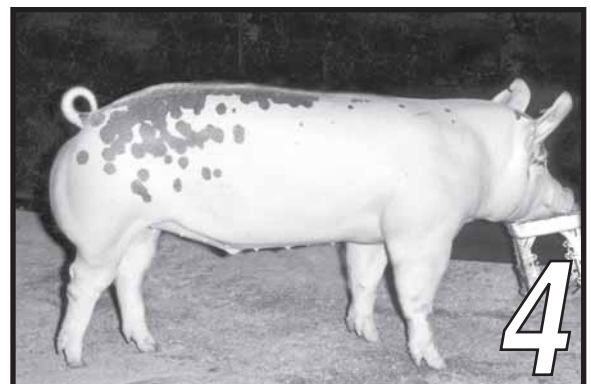
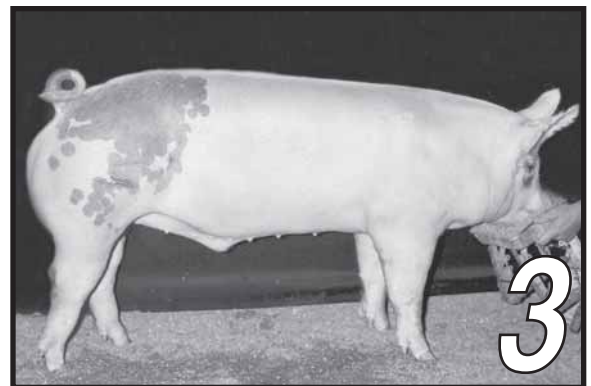
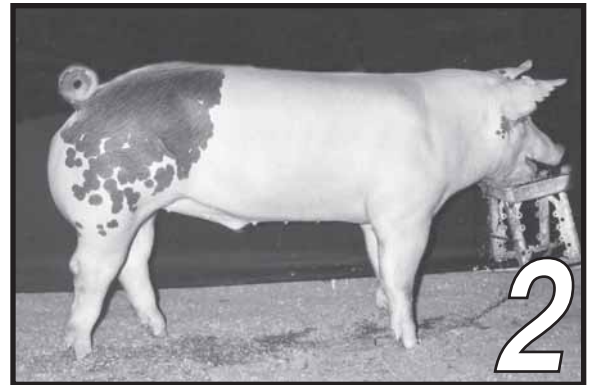
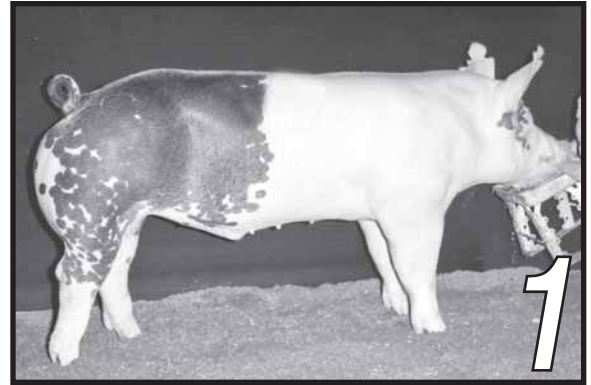


EPDs: -1.92 Days, -0.06 BF, +0.24 NBA, +0.50 LWT, 104.2 SPI

**Class 9**  
**YORKSHIRE MARKET HOGS**



**Class 10**  
**CROSSBRED MARKET HOGS**



# 2005 National Picture Judging Contest

## Official Entry Form

	1 <sup>st</sup> Place	2 <sup>nd</sup> Place	3 <sup>rd</sup> Place	4 <sup>th</sup> Place
Class 1 – Hampshire Boars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Class 2 – Duroc Boars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Class 3 – Yorkshire Boars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Class 4 – Landrace Boars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Class 5 – Hampshire Gilts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Class 6 – Duroc Gilts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Class 7 – Yorkshire Gilts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Class 8 – Landrace Gilts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Class 9 – Yorkshire Market Hogs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Class 10 – Crossbred Market Hogs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Entries must be postmarked by March 1, 2005

All ties will be broken by the highest score in chronological class order. Only one award will be presented per division. Please print information clearly. Fifteen reprints will be mailed at no extra charge.

**Mail to: Contest Department, Seedstock EDGE, P.O. Box 2417, West Lafayette, IN 47996-2417**

<b>Individual divisions:</b>			For office use only: _____
Junior division <input type="checkbox"/>	College division <input type="checkbox"/>	Adult division <input type="checkbox"/>	
Name _____			
Address _____ City _____ State _____ Zip _____			
<b>Team divisions:</b>			For office use only: _____ For office use only: _____
4-H Team <input type="checkbox"/>	FFA Team <input type="checkbox"/>	College Team <input type="checkbox"/>	
<i>4-H and FFA team must have four members ONLY; College team must have five members ONLY</i>			
PRINT team members' names: 1. _____ 2. _____			
3. _____ 4. _____ 5. _____ <span style="float: right;"><i>College team ONLY</i></span>			
School or Club Name _____			
Address _____ City _____ State _____ Zip _____			

Remember, this is an educational event. Each team member must complete their own entry form.

#### Plaques will be awarded to the winners of each division!

This contest is open to all purebred seedstock boosters in the United States. \*All entrants will automatically be entered in the individual divisions. Teams MUST consist of: 4-H and FFA – four total members (no more, no less); College – five total members (no more, no less). There is NO MAXIMUM number of teams per school or club (Please give each team a different name: A, B, C, etc.). Photocopies of this entry blank ARE acceptable; however, only one entry should appear on EACH entry form, and an individual may enter ONE time (i.e. CAN NOT be on a 4-H and FFA team). The official placings, reasons and contest winners will appear in the April/May 2005 issue of *Seedstock EDGE*.

# GRAB THE UPPER HAND

NEW EDITION!

## LEARN FROM THE BEST

The **third edition** of the NSR Judging video is ready for your inspection. This video offers an ideal opportunity for your agriculture department, 4-H livestock group or personal use. Designed to educate young people in performance traits, EPDs, indexes and swine evaluation, this video is written for the beginner, but is challenging enough for the collegiate undergraduate.



### *Includes*

- Detailed descriptions of the ideal boar, gilt and market hog.
- Explanation of performance data.
- Four breeding stock classes; plus two market hog classes.
- Official placings and cuts.
- Sets of oral reasons by Kelton Mason of Texas A&M University, Caleb May of University of Illinois and Lacey Robinson of Kansas State University following each class.

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2005 National Junior Summer Spectacular

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Louisville, Kentucky

JULY 5-9 • LOUISVILLE, KY