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NATIONAL SWINE REGISTRY

2007 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.

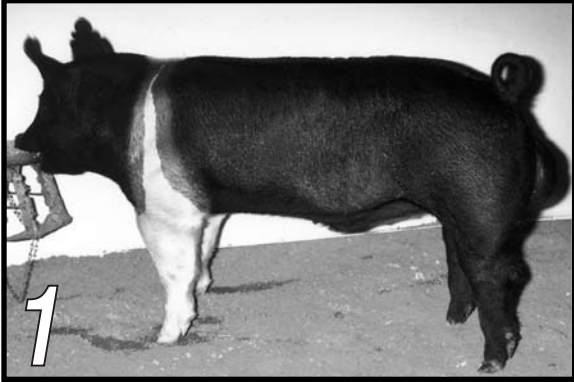
Terminal Sire Index (TSI) – This index combines growth, pounds of fat-free lean and backfat. Selection on this index is appropriate to use to select boars for use as terminal sires in a crossbreeding program.

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 Feb. 1, 2007

Class 1 – Hampshire Boars

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



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



EPDs: -2.71 Days, +0.09 BF, +0.18 NBA, 102.9 MLI, 107.8 TSI



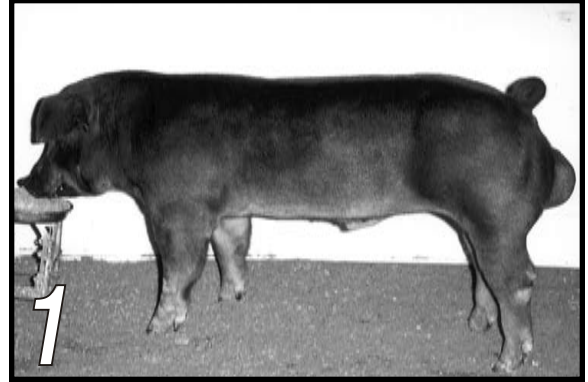
EPDs: -0.80 Days, 0.0 BF, +0.05 NBA, 103.0 MLI, 108.1 TSI



EPDs: -0.84 Days, +0.02 BF, +0.11 NBA, 102.6 MLI, 105.8 TSI

Class 2 – Duroc Boars

Scenario: Rank these boars to be bred to females to produce market hogs for state fair production classes.



EPDs: -2.51 Days, -0.06 BF, +0.6 Lbs., 117.0 TSI



EPDs: -3.36 Days, -0.02 BF, +0.69 Lbs., 120.8 TSI



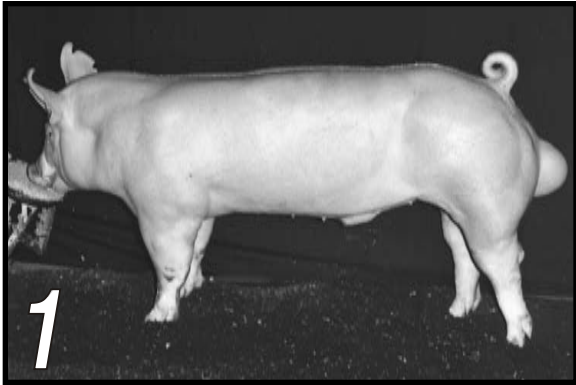
EPDs: -2.69 Days, -0.01 BF, +0.26 Lbs., 116.6 TSI



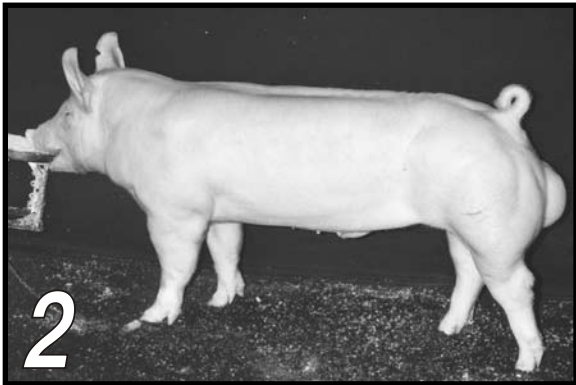
EPDs: -2.69 Days, +0.02 BF, +0.07 Lbs., 115.9 TSI

Class 3 – Yorkshire Boars

Scenario: Rank these boars to be bred to Hampshire gilts to produce replacement females for showpig production.



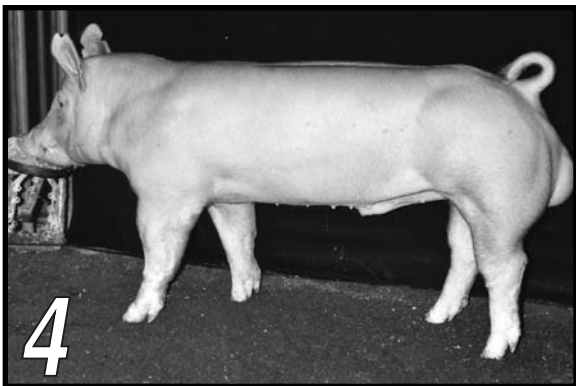
EPDs: -1.05 Days, +0.05 BF, +0.65 NBA, 117.3 MLI, 104.3 TSI



EPDs: -2.71 Days, -0.07 BF, +0.3 NBA, 113.8 MLI, 122.1 TSI



EPDs: -3.28 Days, +0.02 BF, +0.32 NBA, 114.8 MLI, 115.3 TSI



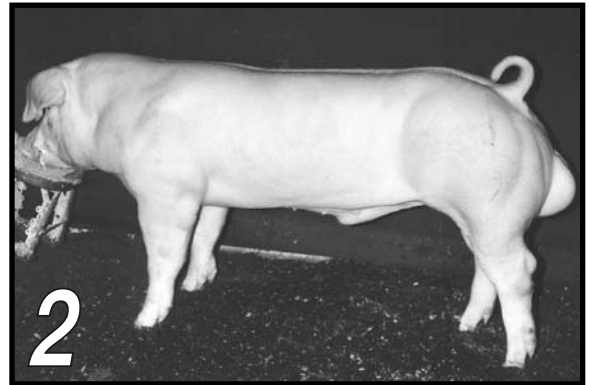
EPDs: +1.28 Days, -0.05 BF, +0.78 NBA, 115.8 MLI, 102.9 TSI

Class 4 – Landrace Boars

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



EPDs: -3.96 Days, +0.02 BF, +0.11 NBA, +0.21 LWT, 108.8 MLI



EPDs: -1.38 Days, -0.04 BF, -0.09 NBA, +1.78 LWT, 104.6 MLI



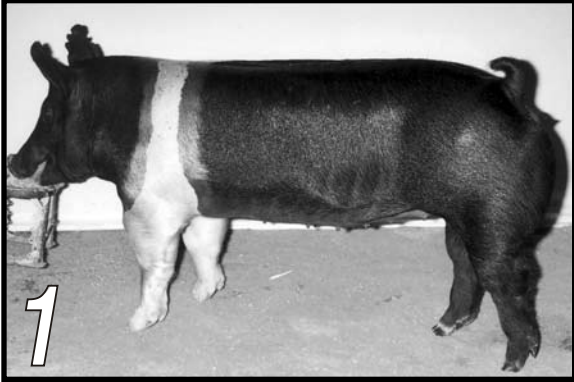
EPDs: -1.64 Days, +0.03 BF, +0.22 NBA, +2.47 LWT, 107.0 MLI



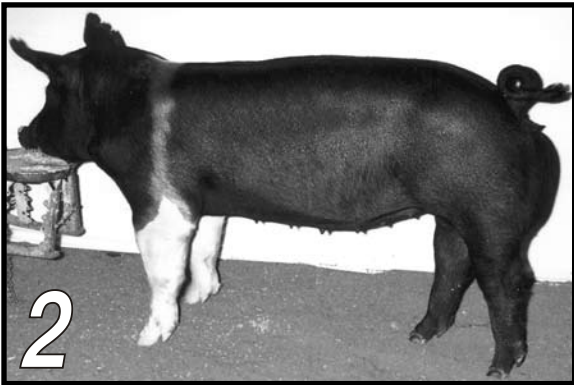
EPDs: -1.70 Days, 0.0 BF, +0.45 NBA, +1.12 LWT, 109.7 MLI

Class 5 – Hampshire Gilts

Scenario: Rank these gilts to be bred to Hampshire boars for the production of purebred barrows for the NJSA Western Regional.



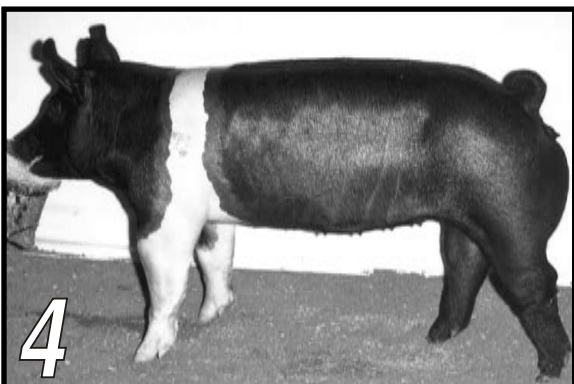
EPDs: +0.29 Days, -0.03 BF, +0.42 Lbs., 104.6 TSI



EPDs: +1.61 Days, -0.03 BF, +1.12 Lbs., 101.5 TSI



EPDs: -0.58 Days, 0.05 BF, -1.39 Lbs., 100.7 TSI



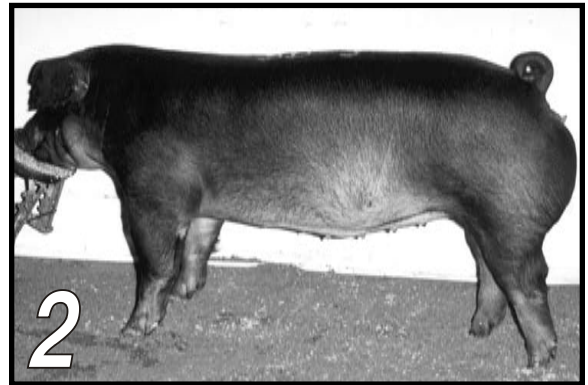
EPDs: -0.08 Days, 0.0 BF, +0.15 Lbs., 108.1 TSI

Class 6 – Duroc Gilts

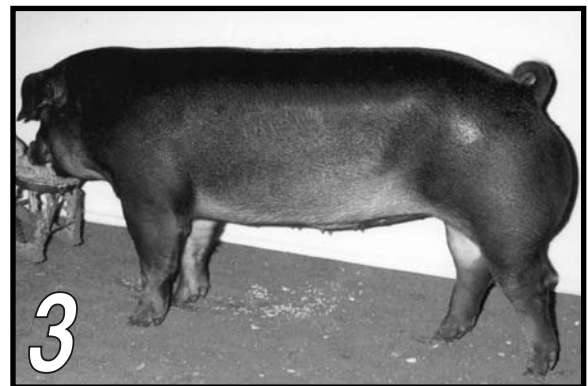
Scenario: Rank these gilts to be bred to Duroc boars for the production of purebred gilts for the NJSA Eastern Regional.



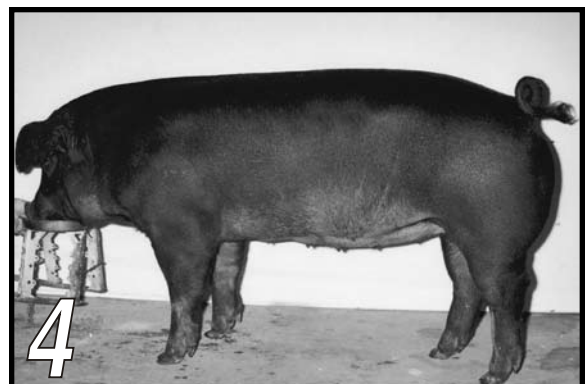
EPDs: -2.91 Days, -0.04 BF, +0.09 NBA, +1.90 LWT, 96.8 MLI



EPDs: -4.2 Days, +0.01 BF, +0.40 NBA, +3.29 LWT, 101.1 MLI



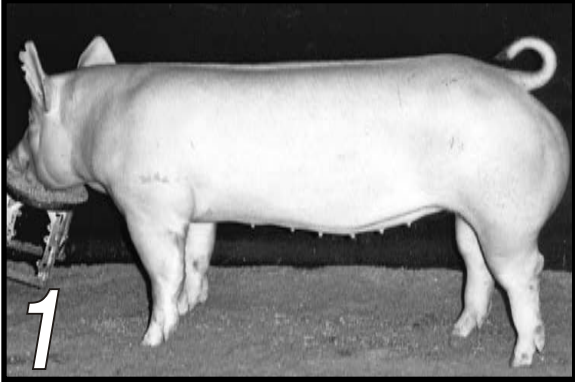
EPDs: -0.98 Days, -0.04 BF, +0.14 NBA, +2.42 LWT, 106.6 MLI



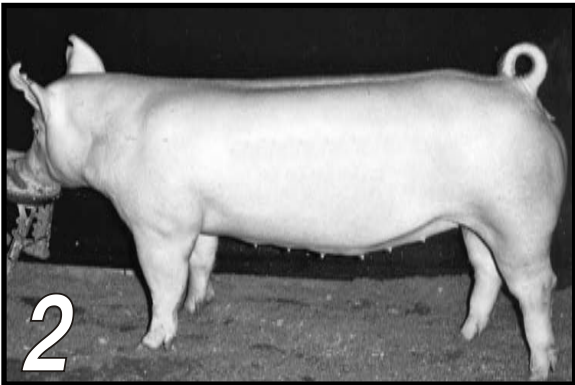
EPDs: -4.49 Days, -0.01 BF, -0.36 NBA, +1.96 LWT, 104.1 MLI

Class 7 – Yorkshire Gilt

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



EPDs: -1.05 Days, -0.02 BF, +0.42 NBA, +5.38 LWT, 114.6 MLI



EPDs: -0.6 Days, 0.0 BF, +0.55 NBA, +5.0 LWT, 113.6 MLI



EPDs: -2.69 Days, -0.06 BF, -0.03 NBA, +3.29 LWT, 109.5 MLI



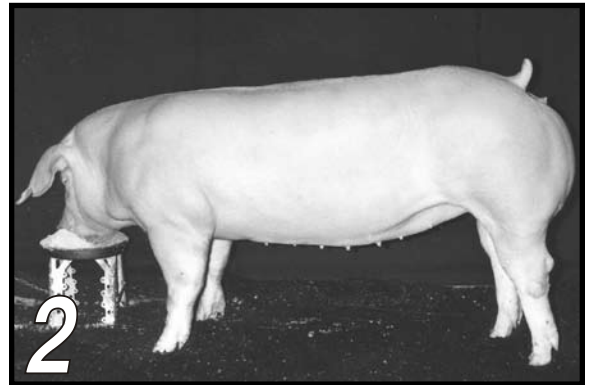
EPDs: +0.3 Days, -0.02 BF, +0.53 NBA, +5.04 LWT, 111.3 MLI

Class 8 – Landrace Gilt

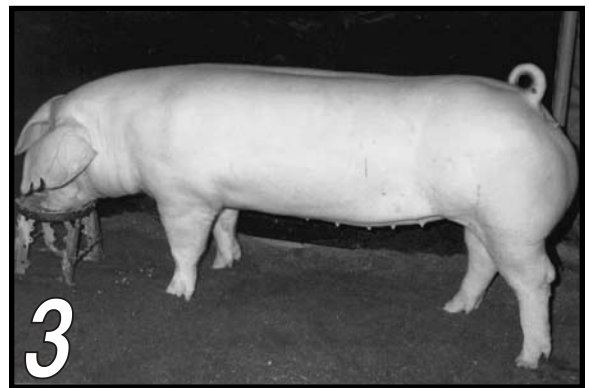
Scenario: Rank these gilts to be bred to Yorkshire boars for the production of F1 females.



EPDs: +2.55 Days, +0.24 BF, +0.07 NBA, 6.48 LWT, 106.8 SPI



EPDs: +0.9 Days, -0.02 BF, +0.46 NBA, +2.8 LWT, 108.5 SPI

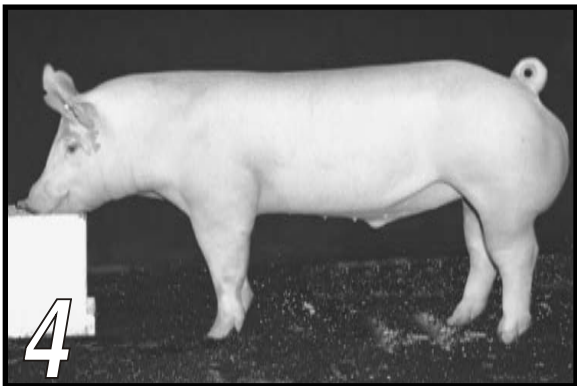
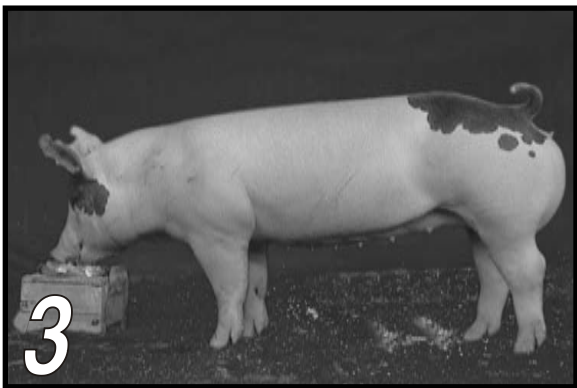
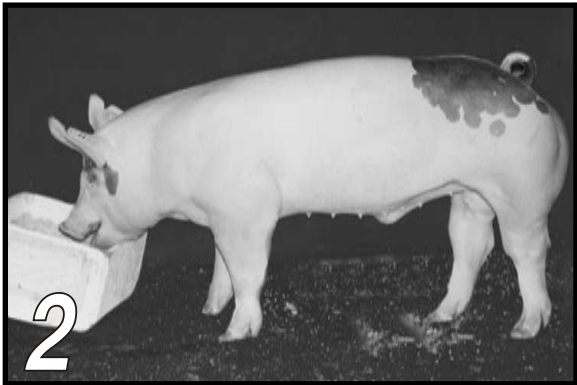


EPDs: -4.62 Days, +0.01 BF, +0.32 NBA, +2.6 LWT, 106.6 SPI

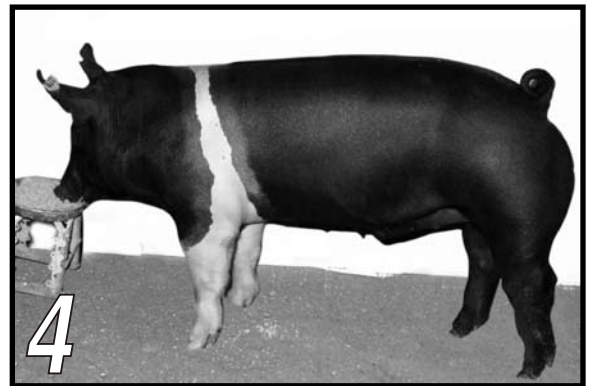
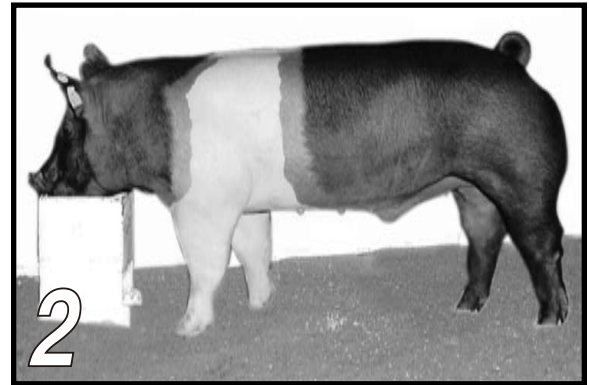
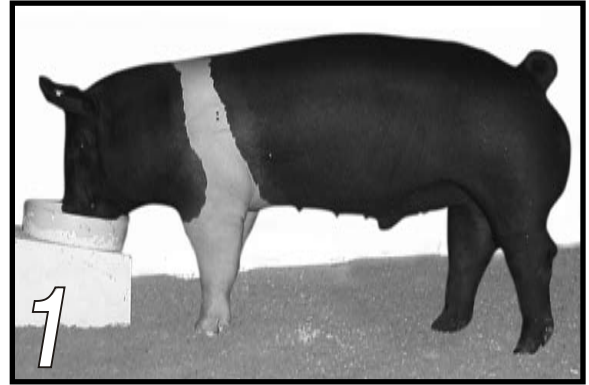


EPDs: -1.25 Days, -0.05 BF, +0.2 NBA, +3.01 LWT, 105.3 SPI

**Class 9
Crossbred Market Hogs**



**Class 10
Hampshire Market Hogs**



2007 National Picture Judging Contest

Official Entry Form

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

Entries must be postmarked by Feb. 1, 2007

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

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

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

Plaques will be awarded to the winners of each division!

This contest is open to all purebred seedstock enthusiasts 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. CANNOT be on a 4-H and FFA team). The official placings, reasons and contest winners will appear in the April/May 2007 issue of *Seedstock EDGE*.