



# 2011 NBS<sup>®</sup> Sire Progeny Test

2011 NBS<sup>®</sup> Progeny Test delivery is **Friday, March 25**

The 2011 Progeny Test will be the 22nd test to be conducted in conjunction with the NATIONAL BARROW SHOW<sup>®</sup> since its inception in 1991. The Progeny Test was developed as a tool for swine breeders to objectively identify genetically superior purebred sires in each breed using thorough and unbiased testing and evaluation. Many of the traits analyzed are genetically not available or are cost-prohibitive outside of a forum such as the Progeny Test.

## 2011 Rules & Requirements

### General Information

1. Pigs entered in the 2011 NATIONAL BARROW SHOW<sup>®</sup> Progeny Test **must be received at the Iowa Swine Testing Station near Ames, Iowa on Friday, March 25.**
  - a. The test is conducted at the Iowa Swine Testing Station, 50075 260th Street, Ames, Iowa. From I-35, directions to the test station are Highway 30 west to Exit 144 (R38 & South Dakota). Then two miles south to 260th Street; one-mile west to station site.
  - b. Test coordinator will assist in coordinating trucking arrangements if needed.
2. All pigs accepted to the test will remain the property of the entrant throughout the course of the test.
3. Disposition of all delivered animals will be monitored and updates provided to entrants as warranted.
4. Poor performing and at-risk animals will be treated according to industry best-practices under veterinary supervision. Pigs showing unsatisfactory response to treatment will be euthanized or removed from the test.
5. Each sire group will be started "on-test" when the group average weight is 70 pounds. An adjustment time of at least 5 days (or more) will be allotted prior to placing groups "on-test".
6. Pigs will be weighed at mid-test (approximately 50 days after being placed "on-test") and a progress report will be provided to entrants once all pens have reached the mid-test checkpoint.
7. Pigs will be scored for soundness prior to being taken "off-test". Five independent persons will evaluate structure & movement (soundness) on a 1 to 5 scale for each front and rear leg structure/movement. Individual pigs that have an average score of less than 1.5 on either front or rear are disqualified.
8. Total feed consumption and feed efficiency will be recorded and reported for each sire group.
9. Pigs weighing 245 pounds or more will be slaughtered and evaluated. Pigs must weigh 230 pounds by August 10 to be "qualified". Final data will be adjusted to a 250# end-weight basis and also account for differences in breed, sex, and "on-test"/"off-test" weight.
10. Sire groups will be evaluated for the following traits: ADG; 10th rib fat; LEA; loin pH, Minolta Y (color), Instron (mechanical) Tenderness, percent Intramuscular Fat (marbling); visual loin color, firmness, marbling; percent Cook Loss; and Sensory Panel juiciness, tenderness, chewiness, flavor, off-flavor.
11. These traits are then grouped into 2 "categories": Lean Gain on Test and Consumer Acceptance. The relative weight of each category of traits that determines awards are: SUPER SIRE<sup>™</sup> Index is 90% weight to LGOT characteristics and 10% to CA characteristics; PORQUE Index is 10% weight to LGOT characteristics and 90% to CA characteristics.
12. The NATIONAL BARROW SHOW<sup>®</sup> will publish and report all qualified available carcass and performance data from the spring test at the 65th annual NBS<sup>®</sup> September 11-14, 2011.
  - a. Top indexing sires in each category will be recognized with SUPER SIRE<sup>™</sup> awards and/or PORQUE awards.
  - b. Data will be reported by sire group average ranked in their respective breed.
  - c. Individual hog data will be furnished only to the exhibitor.
  - d. Any sire groups not meeting the minimum criteria will not be published in the SIRE SUMMARY and will not be eligible for awards. Each sire group must meet these standards to qualify:
    - i. Six individuals of the group must complete the testing period, having achieved a marketable off-test weight AND have a qualifying soundness score (at least 1.5 average) on each front and rear.
13. At the completion of the test, all costs (feed, vet, building space, etc.) will be deducted from carcass value of the sire group and net will be paid to the entrant. NOTE: Each breed association with sire groups entered and Hormel Foods Corp. pay 100% of costs related to data collection, muscle quality, & sensory evaluation. This represents a \$50 value to you on every animal.
  - a. Progeny Test Support Fees will be collected from each exhibitor of breeding stock at the National Barrow Show<sup>®</sup> in Austin, MN in September 2010. A \$20 fee will be accessed (in addition to individual boar & gilt entry fees) for each NBS<sup>®</sup> exhibitor that does not have a sire group on test. One sire group on test of any breed will satisfy this requirement.
  - b. The collected Support Fee will be distributed to entrants in the Progeny Test.
    - i. The Support Fee will first be used to satisfy negative accounts. If Support Fees are insufficient to cover negative accounts, entrants will pay the negative balance on the sire group.
    - ii. If surplus Support Fees exist, they will be divided evenly among all sire groups.
14. The National Barrow Show<sup>®</sup> reserves the right to cancel this test if a situation arises that makes a meaningful test for exhibit impossible.

### Requirements

15. A \$50 reservation fee is required for each sire group at the time of entry.
16. **All entrants in the Progeny Test must have current PQA+ certification.** Entries submitted without proper documentation of current certification will not be accepted!
17. All entrants in the Progeny Test must have a Premises ID number of the location(s) that swine originate from.
  - a. **This must be recorded on the health certificates accompanying pigs on delivery day.**
  - b. Pigs originating from 2 or more separate farms with unique PremIDs should be detailed separately on the health certificate.
18. Hormel Foods requires all regular suppliers of animals it procures to be raised on farms that have been "site accessed". We strongly encourage you to have your premises (farm) assessed in accordance with the National Pork Board's Site Assessment guide and registered to gain PQA PLUS site status.
19. All animals delivered must meet Category A labeling standards (U.S. born, U.S. raised) for Country of Origin. Exhibitors will complete an affidavit certifying animals delivered to the testing station are Category A designation.
20. Each sire group must be of uniform weight. Weight at arrival will be the determinant. There is not a "farrowed by/after" date requirement.
  - a. **An average delivery weight of 40-65 pounds is STRONGLY recommended.**
  - b. **Animals weighing less than 35 pounds will not be admitted to the trial;** owners will forfeit possession.
  - c. **Pigs greater than 80 pounds are discouraged.**
21. The test will be for pure line genetics.
  - a. **Each group of eight pigs will be sired by a single sire.**
  - b. **This group of pigs must represent no less than three litters and may be any combination of barrows and gilts. No more than three pigs may come from a single litter.**
  - c. **The pigs do not have to come from the same breeder's operation.**
  - d. Breed officials will be responsible for determining which pure line sires are represented in the test. Due to space limitations and the desire for the broadest possible genetic base, no more than two groups will be allowed per sire. Limited space may also restrict the total number of entries accepted from one exhibitor or breed for this test. Only one group per sire will be allowed if entries exceed capacity.
  - e. Each individual purebred pig delivered must be accompanied by a valid and documented three-generation pedigree that establishes and documents "pure line" status. **Pedigrees must be received by the National Barrow Show<sup>®</sup> office by July 1 to qualify.**

### Health Requirements

- a. Entries delivered to the test station must be castrated, free of lice and mange, and have tails docked.
- b. All pigs must have a Health Certificate signed by an accredited veterinarian. Pigs must be individually identified with ear tags and ear notches. Both forms of ID should be recorded on the health certificate.
- c. All pigs must be vaccinated for PCVAD/PCV2 at least 2 weeks prior to delivery. Health certificate must include statement noting vaccination status.
- d. It is highly recommended all pigs be treated for blood feeding/external/internal parasites (e.g. avermectin) AND be vaccinated for Erysipelas, Mycoplasma pneumonia, and both H1N1/H3N2 swine influenza at least 2 weeks prior to arrival at the test station. Health certificate must include statement noting treatment and vaccination status.
- e. Project veterinarian has the discretion to refuse entry to any animal that displays any clinical sign(s) suggesting illness that may pose a risk to the other animals in the trial. Animals exhibiting the following will not be accepted:
  - f. Coughing, fever, scours, vomiting, external parasites, or lameness.
  - g. Animals with open wounds, abscesses, and umbilical or scrotal hernias.
  - h. All federal regulations regarding interstate shipment of feeder pigs, as well as all Iowa regulations regarding the import of feeder pigs from other states must be met. Meeting these requirements is the responsibility of the owner.



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## 2011 Entry Form Entry deadline – March 1, 2011

(Please Print)

ENTRY NAME: \_\_\_\_\_ CONTACT NAME: \_\_\_\_\_ ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

TELEPHONE NUMBER(S): \_\_\_\_\_

E-MAIL: \_\_\_\_\_

Please list the following information on the sire groups you are nominating for testing:

	SIRE'S (complete) NAME	SIRE'S BREED	ENTRY BREED
1.			
2.			
3.			
4.			

If space allows I am interested in bringing additional pens:  YES  NO

### 2011 Progeny Test Entry Checklist:

- Above information fully completed and legible?
- Included \$50 per group entry fee payable to National Barrow Show<sup>®</sup>?
- Included a copy of your up-to-date PQA+ certification?
- Have a Premises ID for use on health certificate during delivery?
- Proceed by mailing this completed form to: **NATIONAL BARROW SHOW<sup>®</sup>**  
**Attn: Amanda Tiedemann**  
**P.O. Box 367**  
**Austin, MN 55912**

**Questions regarding the Progeny Test or National Barrow Show<sup>®</sup> in general should be directed to:**

Amanda Tiedemann, Hormel Foods Corp. • 507 437 5306 • [aktiedemann@hormel.com](mailto:aktiedemann@hormel.com)

**Questions regarding swine health or veterinary-related items should be directed to:**

Dr. Bruce Leuschen, ISU College of Veterinary Medicine • 515 294 7012 • [leuschen@iastate.edu](mailto:leuschen@iastate.edu)