



## Your Partner in Pig Breeding

**Solid Genetic Base**



**4**

**Reliable**



**5**

**Accurate Testing**



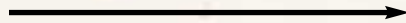
**6**

**Progressive**



**7**

**Stress Free**



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**Healthy**



**8**

# DanBred Partner

**DanBred** can be your new partner supplying you with **Danhybrid** females for both intensive and outdoor production systems, and **Danline** boars for world class lean and meat quality.

Perhaps you would like to apply to become an elite **DanBred** multiplier producing **Danhybrids** and **Danlines**.

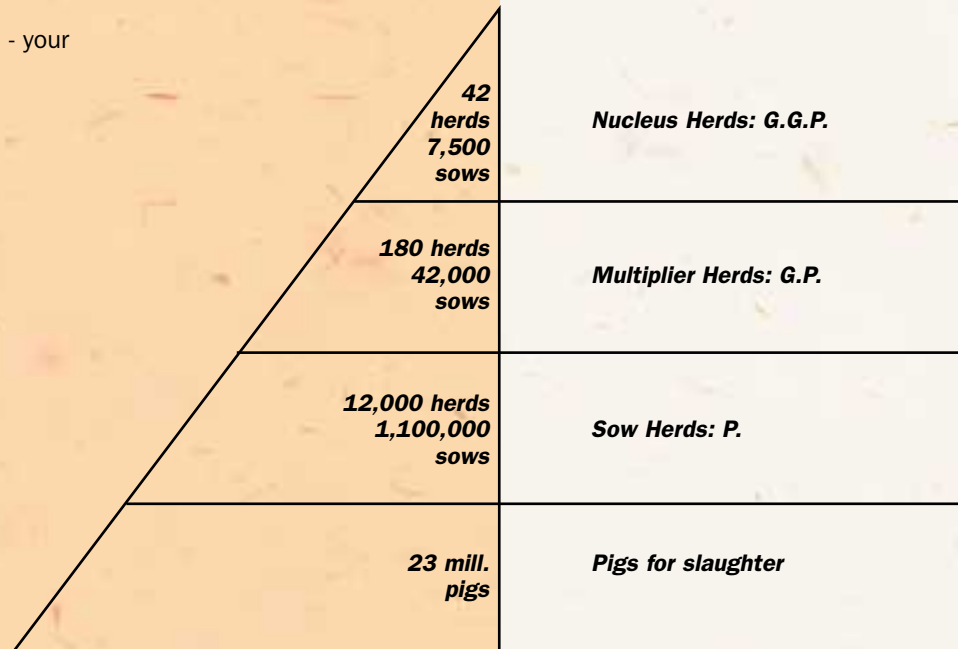
You may choose to produce your own parent stock from grandparents supplied from an authorized **DanBred** nucleus.

Consider **DanBred** - your new partner!

# Breeding Research Investment

The Danish breeding pyramid is efficiently fueled by a constant investment by the Danish pig producers in research efforts.

- 1) More than USD 3.0 million are spent annually on breeding and genetic improvement.
- 2) Meat quality research totalling more than USD 2.0 million assures an international consumer that a Danish meat product is nutritious and flavourful.



# Solid Genetic Base

The **DanBred** pig breeding programme has its genetic base in Denmark where a coordinated breeding process utilizes the production of 42 purebred nucleus herds and 180 multiplier herds.

The National Committee for Pig Production and the Federation of Danish Pig Producers and Slaughterhouses jointly research and improve the breeding programme for the producers. The producers demand superior carcass quality and efficient performance traits, and the organization produces the genetics to meet that need. Of the more than 23 million pigs produced and slaughtered annually by the Danish pig producers, over 80% is exported as quality meat and meat products throughout the world.

There are more than 7,500 purebred sows in the national nucleus herds:

- 2,900 **Danish** Landrace
- 2,200 **Danish** Yorkshire
- 1,900 **Danish** Duroc
- 500 **Danish** Hampshire

and more than 42,000 purebred Danish Landrace and Yorkshires in multiplier herds.



*Danish Landrace*



*Danish Yorkshire*



*Danish Hampshire*



*Danish Duroc*

# Reliable

**DanBred** bases its genetic programme on test results from more than 90,000 breeding pigs in the 42 nucleus herds and more than 5,000 males evaluated annually in the central testing scheme. Environmental effects that may confound the test results are nearly eliminated by an MEW (medicated early weaning) process upon entry from the nucleus herds.

Test results and index calculations are openly available to satisfy the need of the commercial producers.





# Accurate Testing

The central boar testing programme utilizes the latest technique in individual transponder feeding recording every gramme of feed consumed by each boar.



The quality lean carcass is being measured by reliable ultrasonic scanning equipment on the live boars. Those being slaughtered have the carcass completely analysed by the automatic classification centre using several probes to measure fat and meat thickness in order to calculate the lean meat percentage accurately. Also Intramuscular Fat is being measured.



The accuracy is monitored by more than 1,000 total dissections per year.



# Artificial Insemination

A.I. is a vital part of the genetic programme. Approx. 90% of all litters born in the 42 nucleus herds are sired by the highest performing graduates of the testing scheme - the A.I. stud boars. This allows statistical elimination of the environmental effects on the test results and index calculations.

A.I. provides country-wide genetic ties and permits the very highest indexing boars to spread their influence quickly through the breeding system.



# Progressive

The vast amount of data being collected from more than 90,000 animals tested annually is stored and processed in the central computers using multiple traits BLUP evaluation. The full animal model (BLUP) evaluation has been used nationally since 1987.

An index for all the animals in the **DanBred** population is calculated every week based on the records of:

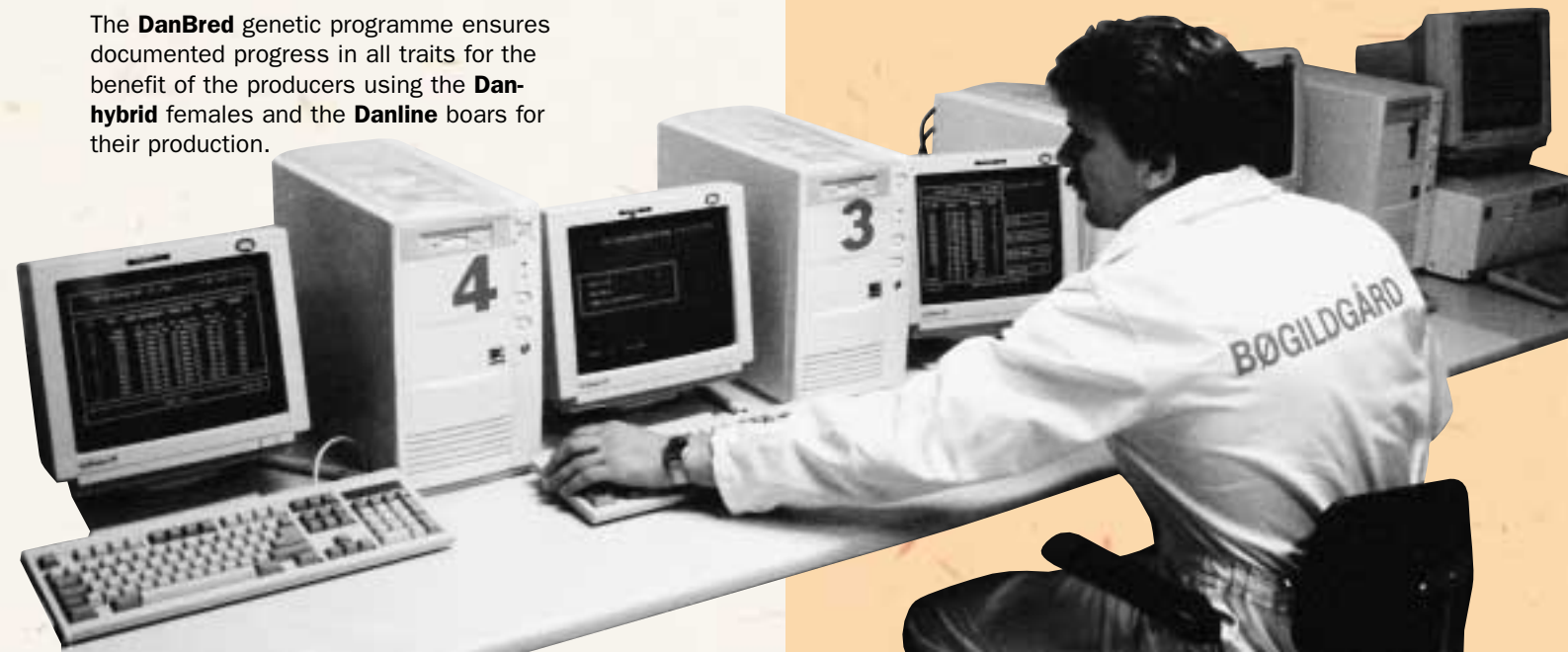
- Average Daily Gain from 0 to 30 kg
- Average Daily Gain from 30 to 100 kg
- Feed Conversion
- Per Cent Lean Meat
- Litter Size
- Body Structure
- pH
- Slaughter Loss

The **DanBred** genetic programme ensures documented progress in all traits for the benefit of the producers using the **Dan-hybrid** females and the **Danline** boars for their production.

# Fast Generation Turnover

The elite boars at the A.I. stations are continuously recruited from the central test station and may only be used by the nucleus herds for 3 months or be bred to a maximum of 5% of the sows in the nucleus population.

This strict breeding plan produces maximum genetic progress in the shortest possible time without creating problems - an extremely fast generation turnover!



# Stress Free

The **DanBred** purebred population is screened free of the halothane stress gene. Even WITHOUT “artificially” relying on the gene for lean content, the Danish terminal pigs are still world leaders in both quality and quantity of lean. Not only are meat percentages exceeding 60% lean, but the meat remains juicy, tender and tasty! Working on the pH allows also to limit drip loss and thereby increasing the technological yield of the meat without the use of additives.

# Healthy

All **DanBred** nucleus and multiplier herds are participating in the herd health programmes where the health status is meticulously monitored on a regular basis.

The majority of the Danish breeding herds participate in the SPF health programme, and the Danish veterinary authorities together with the Pig Industry do their utmost to safeguard the high health status of the total Danish pig population. This intensive health screening benefits both producers and consumers alike.





# Hybrids

**DanBred** ensures a continuous improvement of the four breeds in order to produce hybrid and purebred parent lines with excellent mothering and milking abilities for the production of large litters.

The growth rate and feed conversion make the **DanBred** pigs economical producers of meat, and the lean carcass will improve the profitability of any producers using **DanBred** breeding pigs.



# DanBred world-wide

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## Countries with herds using DanBred genetics:

### **America:**

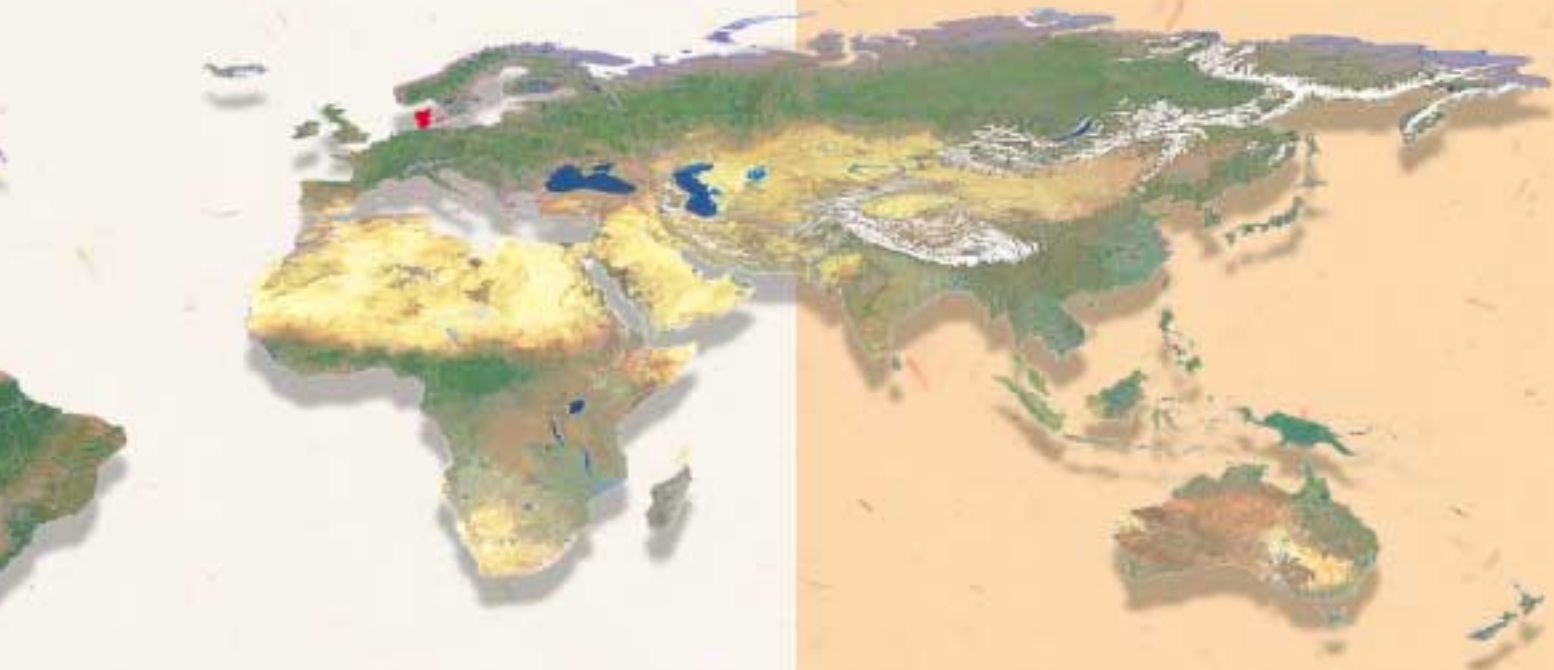
Brazil  
Canada  
Mexico  
Peru  
USA  
Venezuela

### **Europe:**

Austria  
Belgium  
Croatia  
Czech Republic  
France  
Germany  
Greece  
Hungary

Italy  
Latvia  
Lithuania  
Macedonia  
Netherlands  
Norway  
Poland  
Portugal

■ DanBred Genetic Base



Romania  
Russia  
Slovakia  
Spain  
Sweden  
Ukraine  
United Kingdom

**Africa:**  
Nigeria  
South Africa  
Tanzania

**Asia:**  
China  
Japan  
Korea, Republic of  
Malaysia  
Philippines  
Taiwan  
Thailand

Many multipliers and producers world-wide are relying on the Danish breeding programme - **DanBred**.

S.E.A. is the sole exporter of breeding pigs from the **DanBred** pig breeding programme.

Please contact S.E.A. for:

Parent Stock

- **Danhybrid** females
- **Danline** boars

External or Internal Multiplication

- **Danish** Landrace
- **Danish** Yorkshire
- **Danish** Duroc
- **Danish** Hampshire

For breeding contracts, **S.E.A.** can be your **DanBred** partner organizing selection, documents and transport world-wide.



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