

# DANBRED



## GenePro & Nucleus Management



GENEPRO & NUCLEUS MANAGEMENT

## Let knowledge and data show the way

**DanBred GenePro and DanBred Nucleus Management are your breeding tools to make informed decisions based on data - and benefit from the full potential of DanBred genetics.**

Farms all over the world can take advantage of our on-farm-replacement programme, DanBred GenePro, which gives access to our continuous breeding progress and boosts the productivity in your herd. With GenePro, you use the best sows in your herd to form the basis for future generations – as you get access to semen from the very best DanBred boars.

As a user of GenePro, you can choose to extend your agreement with Nucleus Management, which is our online breeding management tool. Nucleus Management makes it possible for you to optimise your breeding strategy and produce DanBred replacements gilts on the same genetic level as purchased DanBred gilts.

It is quick and easy to get started, just reach out to **DanBred Technical Service Center** at [service@danbred.com](mailto:service@danbred.com) to elevate your results.





GENEPRO

## Access to our continuous progress

**DanBred GenePro gives you access to DanBred's breeding progress - either through your own on-farm boars or with semen from DanBred AI. And the progress speaks for itself.**

DanBred GenePro gives you access to DanBred's Data Bank, which allows you to follow the breeding index of your boars or the semen delivered to you. This way, you will quickly see the progress, and you can follow the continuous breeding progress of your herd. GenePro users see better production results in the herd within the first generations.

### **In short, GenePro ensures:**

- A continuous flow of replacement gilts with the highest possible genetic level.
- Replacement gilts are produced with a farm specific immunity, which helps you maintain and stabilise the herd's health status.
- Access to DanBred Landrace and DanBred Yorkshire semen from AI-stations.

**When you have DanBred GenePro, you can choose between two different breeding strategies:**

- **Strategy 1: Nucleus herd**
- **Strategy 2: Criss-cross breeding**



## STRATEGY 1

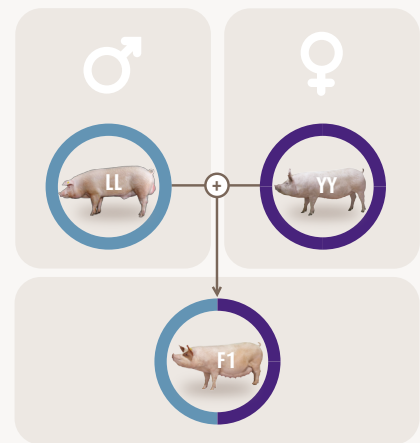
# Nucleus herd

**For pig producers who want full heterosis - straight away.**

Herds using this strategy will use the best purebred DanBred Landrace or DanBred Yorkshire pigs for replacement of the next generations of purebreds.

The rest of the herd is used to produce DanBred Hybrids (F1). By using this strategy, your herd will benefit from full heterosis of all produced DanBred F1 pigs. Hybrid breeding is beneficial, because cross-breeding between two distinctive breeds - like DanBred Landrace and DanBred Yorkshire - provides heterosis.

These additional genetic advances are added to the genetic level of the purebred breeds. For traits with less heritability, there is often a great benefit in taking advantage of heterosis.



(LL) DanBred Landrace  
(YY) DanBred Yorkshire

### What is heterosis?

Heterosis occurs when the productivity potential of a hybrid animal becomes better than the average genetic potential of its parents.



## STRATEGY 2

# Criss-cross breeding

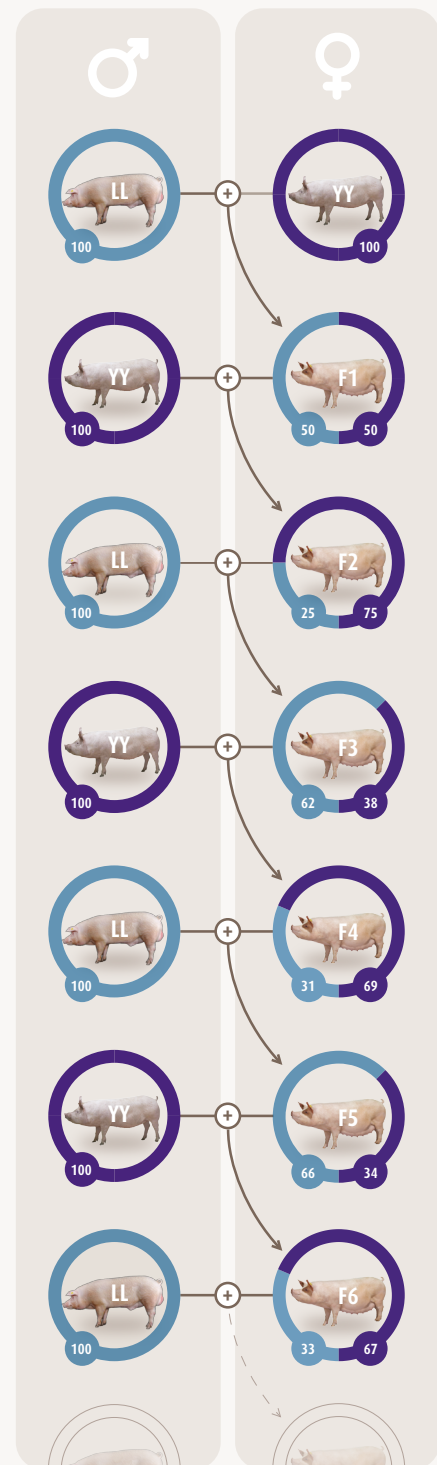
For pig producers who want higher uniformity throughout the herd.

Criss-cross breeding (also known as alternating or zig-zag breeding) is another way of producing the DanBred replacement gilt. When herds use this strategy, all pigs in the hybrid herd are evaluated, and the best are inseminated with either DanBred Landrace or DanBred Yorkshire semen.

By using this strategy, your herd will benefit from 67 % of the full potential for heterosis (i.e., DanBred Hybrid F1).

The entire herd is used for breeding, which gives a higher degree of uniformity.

(LL) DanBred Landrace  
(YY) DanBred Yorkshire



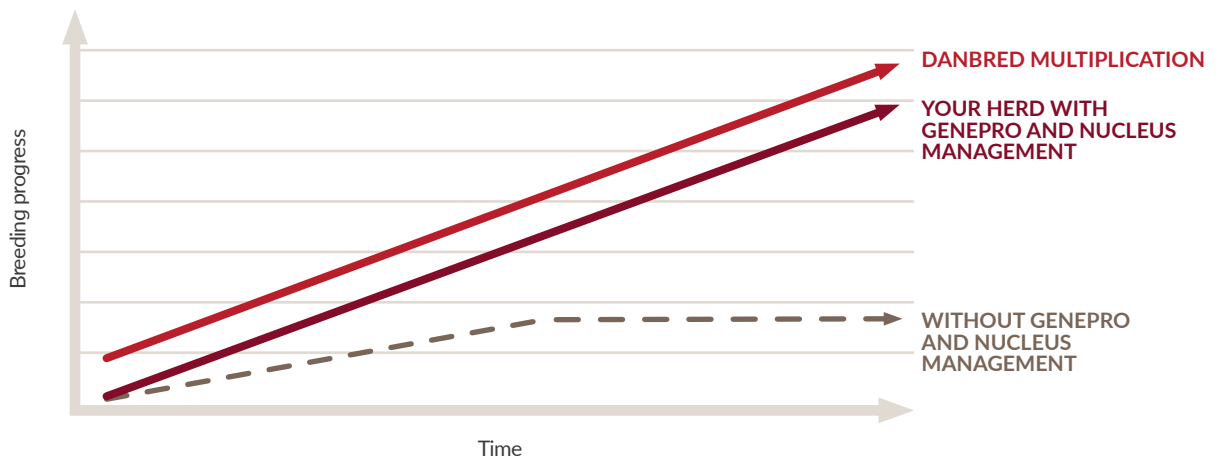


## NUCLEUS MANAGEMENT

# Optimise your gilts and boost your bottom line

**By using Nucleus Management, you ensure implementation of DanBred's continuous breeding progress. You will quickly see the progress. It is the easiest and best way to transform your herd's breeding potential into profit.**

Nucleus Management maximises the effects of GenePro with only a few weekly hours of routine administration. The intuitive, digital tool offers access to all of the important key figures for planning the breeding work in your herd. At the same time, users become part of the GenePro ranking system, where it is possible to compare progress against other herds – completely anonymously, of course.



Generation after generation, the productivity of your gilts will increase way beyond average. DanBred Nucleus Management lets you select the highest-ranking sows as future nucleus sows. This way, the genetic level of your in-house production of breeding stock is optimised even further.

### **With Nucleus Management, you can expect pigs with:**

- improved piglet and sow survival,
- higher daily growth,
- lower feed consumption, and
- better meat quality.

DanBred helps you get started. We show you how to achieve breeding progress in your herd and help you establish data routines.





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# Your business. Our DNA.

DanBred is one of the world's leading international pig breeding companies supplying pig genetics and practical support.

DanBred has highly reliable breeding data. 120,000 breeding pigs are performance tested every year in our breeding herds and at our testing station.

DanBred sets long-term, balanced breeding goals, which are revised regularly. This ensures that the breeding progress for DanBred Duroc, DanBred Landrace, and DanBred Yorkshire creates a sustainable high profit for our partners.

Well-documented genetics and comprehensive service solutions are the foundation of DanBred. This has made DanBred the first choice for leading pig producers all over the world, who expect optimal, predictable business results.

DanBred P/S is owned by the Danish Agriculture & Food Council, Danish Agro, and Holdingselskabet DBI A/S.

## DanBred P/S

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