BreederReview

Providing solutions for tomorrow's needs

Nucleus is a large French pig genetic company that handles worldwide sales and export of GGP, GP, F1, terminal boars and semen as well as applied genetic solutions for pork producers.

nucleus-sa.com

Issues for future years must be prepared today. The mission of pig genetic companies is to provide solutions for tomorrow's needs. The trend is to produce more rationally in order to reduce production costs, while respecting producers' requests, meat processors' exigencies and consumers' expectations.

Beyond prolificacy, heavy and homogenous piglets born from autonomous sows will be the strategic cornerstone of successful pig breeding.

Decidedly, feed is the most important intake. Regardless of feed quality, Feed Conversion Ratio (FCR) and the Average Daily Gain (ADG) are the most efficient levers to take into account to reach this universal goal of reducing production costs.

Nucleus has developed different tools to reach these objectives:

On maternal lines:
- All piglets are weighed at birth in order to select sows and boars giving birth not only to numerous piglets but to numerous heavy and homogeneous piglets.

- Genomic evaluation is now routine on female lines for faster genetic progress.
- Assessment of maternal qualities of sows such as ability to farrow without assistance and behaviour towards their piglets.

On male lines:
- More accurate evaluation of FCR on male lines to select terminal boars with the lowest FCR (+30% genetic progress).
- Evaluation of intra-muscular fat on live animals.

All genetic work done is only worthwhile if animals have a high health status. All Nucleus pure breed lines are kept on farms with an air filtration system in order to guarantee the highest health status.

Nucleus gives access to its superior pure breed animals worldwide and provides a full range of advanced technical services (genetic evaluation, know-how transfer) and tools to maximise the production outcome.