

INCREASE YOUR TOTAL MERIT WITH DANAVAL



DanAvl has the largest population of DanAvl Duroc boars in Europe. The DanAvl Duroc produces fast growing finishers, which have a low feed consumption and a high lean meat percentage.

By crossing DanAvl Hybrid females with DanAvl Duroc boars, food producers around the world achieve a full heterosis effect, optimal production results and good meat quality.



DANAVAL DUROC:

- Strong legs and hooves
- Good meat characteristics
- Good libido
- Unique food quality
- High lean meat percentage

BREEDING OBJECTIVE FOR DANAVAL DUROC

The breeding objective for DanAvl Duroc have been established to cultivate the lowest possible feed consumption, ensure a high lean meat percentage and low slaughter loss, while maintaining unique meat and food qualities.

THE TRAITS OF THE BREEDING OBJECTIVE BREAKS DOWN AS FOLLOWS:

Feed conversion	51 %
Lean meat percentage	16 %
Daily weight gain 30-100 kg	22 %
Daily weight gain 0-30 kg	3 %
Conformation	5 %
Killing out percentage	3 %

EXTENSIVE BOAR TESTING AT ARTIFICIAL INSEMINATION STATIONS

Each boar sent to an artificial insemination (AI) station in either Denmark or other country has undergone extensive

tests. Such tests include an assessment of strength/ build and the registration of daily weight gain as well as lean meat percentage. These tests are conducted at DanAvl's nucleus herds, where 100,000 animals are tested annually - and also at DanAvl's test centres in Denmark, where 5,000 boars are tested on a yearly basis. After a successful assessment the best boars are selected for artificial insemination.

INCREASED GENETIC GAIN OF 10-15 % WITH GENOMIC SELECTION

Since 2010, genomic selection has been a determining tool for the selection of the best boars. An increased genetic gain of 10-15 % is expected for DanAvl Duroc in each finisher for properties such as daily weight gain and feed conversion ratio when compared with traditional genetic gain without making use of genomic selection. Currently, tests are performed on 10% of all breeding candidates; however, DanAvl is working towards testing 40% of the breeding candidates. This will enhance the genetic gain for the benefit of food producers.

BREEDING FOR REDUCTION OF BOAR TAIN

DanAvl is examining the possibilities for reducing boar taint in DanAvl Duroc. Boar taint is mainly characterised by the chemical compounds androstenone, skatol and indole. But there may be a number of other compounds in the fat, which contribute to the odour and interact between the individual substances. Thus the property boar taint is based on a combination of chemical analyses of the main components and an odour test. Here the odour released by a carcass while being heated up is evaluated on a scale from 0 to 2 in order for the human nose to be part of the performance test. Our goal for the future is to develop a breeding index for boar taint as part of the genetic value assessment to ensure taint-free boars and high quality products for our customers.