

Breeding Program - Components

Breed Goal (BG)

Types of BG:

- economic
- biological
- tactical
- ethic

Improve population with respect to economic aspects

Sustain rare breeds

Include of meat traits in German and Austrian dual purpose cattle to get subsidies from EU

avoid un-ethical with respect to animal protection

One trait (or a list of traits)

Which animals should be parents

Performance Test

Observations for all animals (or a group of) for trait of interest → Phenotypes

Input to genetic evaluation, corresponds to the use of statistical models to get estimate for genetic potential of selection candidates (potential parents)

Reproduction

Parents of future generation

Selection and Mating