

SERVICES OFFERED WITHIN THE HERD BOOK

The Herd Book publishes production and external characteristic data in accordance to the ICAR¹ standards. Details of records kept (parentage, productivity and external characteristics) depend on the breed's service module. The breeds Bazadaise, Lowline Cattle, Murnau-Werdenfels, Parthenaise, Speckle Park, Vorderwald and Welsh Black are registered, but for the time being are not assigned to any Herd Book module.

Modules	Breeding value est.	Weighing breeds	Hardy cattle breeds	Basic breeds
Breed	AN, AU, BV, CH, LM, SM	AL, HH, LG, PI, SH, SL	BD, DR, GA, HI, TX,	DA, EV, GC, GV, HR, HW, MA, PS, PZ, TL, VS, WA, ZE
Pedigree and recording				
Pedigree registration	✓	✓	✓	✓
Registration of animals in herd book	✓	✓	✓	✓
LSC / classification of bulls	✓	✓	✓	✗
LSC / classification of cows	✓	✓	✓	✗
Weighing of calves	✓	✓	✗	✗
Entry of slaughter data	✓	✓	✓	✓
Evaluation				
Evaluation reproduction (FLEK)	✓	✓	✓	✓
Evaluation production (FLEK)	✓	✓	✗	✗
Evaluation beef performance	✓	✓	✓	✓
BV ² estimation reproduction	✓	✗	✗	✗
BV ² estimation weaning	✓	✗	✗	✗
BV ² estimation meat performance	✓	✗	✗	✗

¹ ICAR = International Committee for Animal Recording

² BV = Breeding value



Productivity control data, linear scoring (physical description) as well as estimated breeding values are published in lines with the typical requirements of suckler cow husbandry and beef cattle breeding.

Beef cattle productivity control data (FLEK)

The following data is collected under FLEK:

- calf weight gain (birth weight, daily gain, weaning weight)
- cow reproductivity (age at first calving, calving interval and ease, productivity indicator).



Linear scoring (LSC) and classification

- Linear scoring of bulls and cows serves to help select the best breeding animals by means of more than 20 traits.
- It specifies external traits such as breed characteristics, frame, muscularity and limbs. These have a direct influence on the productivity, longevity and animal welfare.



Estimated breeding values (EBV)

In order to assess the genetic value of an animal, the following breeding values are estimated. (The abbreviations noted below are those used on Swiss pedigree certificates.)

- calving ease (GA)
- birth weight (GG)
- weaning weight direct (AGD)
- maternal weaning weight (AGM) (Milk yield and maternal attributes)
- net weight gain (NZW)
- body condition / meat mass (F)

