Country   South Africa

Trait category: *Individual trait(s):*

Growth & beef   **Birth weight**
                               Weaning weight
                               Yearling weight
                               18 months weight

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Growth & beef traits	Birth weight Weaning weight Yearling weight 18 months weight

Breed(s)	Simmentaler, South Devon, Pinzgauer
Trait definition and unit(s) of measuring	Birth weight measured within 3 days of birth (in kilograms) Weaning weight measured at an age between 150 and 27 days (in kilograms) Yearling weight measured at an age between 271 and 450 days (in kilograms) 18 months weight measured at an age between 451 and 634 days (in kilograms)
Type of recording and evaluation	Own performance (male and female) scored by farmer and send to the regional offices of the Livestock Improvement Schemes
Time period for data inclusion	Since 1970
Genetic parameters	Different heritabilities for different breeds $h^2_{birth\ weight} = 0.19$ to 0.31 $h^2_{weaning\ weight} = 0.14$ to 0.20 $h^2_{yearling\ weight} = 0.15$ to 0.18 $h^2_{18\ months\ weight} = 0.18$ to 0.51
Sire categories evaluated	All

Environmental effect
  pre-adjustment
  evaluation model
	None
	Herd, year x season, treatment group, age, age of dam, sex

Base for age adjustment	No
Method (model) of genetic evaluation	ST BLUP AM
Evaluation system validation	Fitting of fixed (non-genetic) effects with SAS-PROC GLM. Fitting of total model with LOG Likelihood (DFREML) Fit
Expression of proof	EBV with M = 0
Genetic (reference) base	EBV mean of animals born in year 1986
Criteria for official publication of sire proofs	Young sires must have own measurement Proven bulls must have own measurement and $\geq$ 4 progeny, or without own measurement and $\geq$ 15 progeny
Number of evaluations/ publications per year	One; between September and November
Use in total merit index	No
Key reference on methodology applied	-