Country Austria

Trait category:	*Individual trait(s):*
Growth & beef	**Daily gain** **Net daily gain** **Dressing percentage** **Carcass conformation** **Muscularity**

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Growth & beef traits	**a-d)**	**Daily gain**
	e)	**Net daily gain**
	f)	**Dressing percentage**
	g)	**Carcass conformation**
	h)	**Muscularity**
Breed(s)	a-h)	Fleckvieh, Braunvieh, Pinzgauer, Schwarzbunte
	c,d)	Grauvieh
Trait definition and unit(s) of measuring	a-d)	Daily gain (in kilograms/day) considering liveweight
	a)	between 150 and 300 days
	b)	between 150 and 420 days
	c)	between birth and 450 days
	d)	between birth and approximately 600 days
	e)	Warm slaughter weight (in kilograms) divided by slaughter age (in days)
	f)	Warm slaughter weight (in kilograms) divided by live weight (in kilograms)
	g)	Scored in the EUROP classification, whereby very good quality "E" = 5 and low quality "P"= 1
	h)	Scored on a 1-9 point scale, from low muscularity (1) to high muscularity (9)
Type of recording and evaluation	a,b)	Own performance and progeny test (male) at station
	c,h)	Own performance and progeny test (male) at field
	d-g)	Progeny test (male) at slaughterhouse
Time period for data inclusion	a,b)	Since 1975
	c-h)	Since 1985
Genetic parameters	a)	$h^2_{\text{growth rate (150-300 days)}} = 0.51$
	b)	$h^2_{\text{growth rate (150-420 days)}} = 0.36$
	c)	$h^2_{\text{daily gain (field test)}} = 0.27$
	d)	$h^2_{\text{daily gain (slaughter house)}} = 0.24$
	e)	$h^2_{\text{net daily gain}} = 0.23$
	f)	$h^2_{\text{dressing percentage}} = 0.40$
	g)	$h^2_{\text{carcass}} = 0.15$
	h)	$h^2_{\text{muscularity}} = 0.24$
Sire categories evaluated	a,b)	Test bulls
	c-h)	All herdbook bulls
Environmental effect		
pre-adjustment	a-h)	None
evaluation model	a,b)	Station x entry season, entry age, residual
	c,h)	Place of auction sale x year, selling age, residual
	d-g)	Slaughter house, birth season, slaughter age (linear, quadratic), residual
Base for age adjustment	a-h)	Mean of the specific trait

Growth & beef traits *continued*	**a-d)**	**Daily gain**
	e)	**Net daily gain**
	f)	**Dressing percentage**
	g)	**Carcass conformation**
	h)	**Muscularity**
Method (model) of genetic evaluation	a-h)	MT BLUP AM
Evaluation system validation	a-h)	Detailed data quality control, genetic trend estimation
Expression of proof	a-h)	RBV with M = 100 and SD = 12, higher values are more desirable
Genetic (reference) base	a-h)	Rolling reference base, e.g. in 1995 bulls born between 1986 and 1988 with minimum accuracy for publication
Criteria for official publication of sire proofs	a-h) d,f,g)	Beef-performance index REL ≥ 15%
Number of evaluations/ publications per year	a-h)	Two; June, December
Use in total merit index	a-h)	No
Key reference on methodology applied	a-h)	Evaluation program: PEST by Groeneveld