

FACTS ON APPLIED SIRE-EVALUATION PROCEDURES FOR DAIRY PRODUCTION TRAITS

COUNTRY	AUSTRIA
Breed(s)	Schwarzbunt, Braunvieh, Fleckvieh, Pinzgauer, Grauvieh
Traits evaluated and units of measurement	Milk and fat yield (kg), fat %
Number of lactations	All
Genetic parameters applied	$h^2=0.25-0.40$ Repeatability $=h^2+0.1$
Inclusion and extension of records	Rec. from culled cows not included if <305 days Lact. terminated with a dry period before 305 days after calving are included without extension Records in progress are not utilized
Sire categories evaluated	All sires
Effects considered by preadjustments	Month of calving, age at calving, service period, alpine grazing, lactation number
by model of evaluation	Herd-year, sire, group of sires, cow
Base of age adjustment	Average age within first lactation (30 months)
Use of genetic groups/relationships/pedigree	Gen. group of sires by year of birth/no relationships/ $\frac{1}{2}$ BV of Dams of daughters
Method of evaluation used	BLUP
Expression of genetic merit	BV, (kg, %), RB-index based on BV fat (% of mean)
Genetic base, kind/definition	Rolling, average BV of last complete batch of bulls
Minimum requirements for official publication of sire proofs	10 completed daughters
Use of selection index or total merit index	No total merit index used
Name and address of organization responsible for sire evaluations and publishing of results	Zentrale Arbeitsgemeinschaft Österreichischer Rinderzüchter A-1060 Wien 6, Gumpendorfer Strasse 15 Österreich
Key references on methodology applied	FUCHS 1985: Untersuchungen über die Anwendung der BLUP-Zuchtwertschätzung beim Rind in Österreich; Dissertation, Wien.

Average phenotypic levels of (adjusted) production records included in the sire evaluation procedures

Year of production	Traits			
	Milk kg	Fat kg	Fat %	Prot. %
Breed: Fleckvieh				
1978	3740	154	4.12	3.28
79	3764	154	4.09	3.28
80	3826	156	4.09	3.30
81	3900	159	4.08	3.29
82	3951	161	4.08	3.25
83	3976	161	4.06	3.26
84	3993	163	4.08	3.26
Breed: Braunvieh				
1978	3769	152	4.03	3.27
79	3882	155	4.03	3.27
80	3954	160	4.03	3.28
81	4119	166	4.02	3.26
82	4245	171	4.02	3.22
83	4283	172	4.02	3.22
84	4344	174	4.01	3.23
Breed: Pinzgauer				
1978	3159	124	3.93	3.22
79	3209	125	3.90	3.23
80	3299	130	3.93	3.18
81	3562	142	3.97	3.22
82	3625	145	4.00	3.24
83	3577	141	3.94	3.23
84	3647	145	3.97	3.25
Breed: Grauvieh				
1978	3279	132	4.03	3.19
79	3305	134	4.05	3.19
80	3353	135	4.02	3.20
81	3397	137	4.02	3.16
82	3387	135	4.00	3.21
83	3493	140	4.00	3.23
84	3441	135	3.94	3.25
Breed: Schwarzbunt				
1978	4650	186	4.01	3.15
79	4654	187	4.02	3.14
80	4819	194	4.03	3.16
81	5020	201	4.01	3.14
82	5022	202	4.01	3.11
83	5052	202	4.00	3.11
84	5085	204	4.01	3.11