

## FACTS ON SIRE EVALUATION PROCEDURES APPLIED FOR PRODUCTION TRAITS

### COUNTRY: CZECHOSLOVAKIA

Breed(s)	Fleckvieh, Friesian, Pinzgauer
Trait(s) evaluated and unit(s) of measurement	Milk (kg), fat (kg,%)
Number of lactations	1
Genetic parameters assumed	$h^2$ : milk=0.25; fat (kg) = 0.22; fat (%) = 0.25
Criteria for inclusion and extension of records	Records 250 - 305 days are included without extension. Records in progress, incl. culled cows, after min. 3 measurements (approx. 100 days) included after extension. Records terminated through drying off to 250 days excluded.
Sire categories evaluated	All bulls
Environmental effects considered by pre-adjustment	Age at calving, service period
by evaluation model	Herd*year*season, groups of mothers according to % blood of other breeds
Base for age adjustment (months)	Rolling, average calving age during last 3 years
Use of genetic groups and/or relationships	Groups of sires according to % blood of other breeds and age
Method of evaluation	ST BLUP SM
Expression of proof	EBV (kg,%) and RBV
Genetic (reference) base	Rolling, average of all first calvers last 3 years
Criteria for official publication of sire proofs	30 daughters
Number of evaluations/publications per year	-
Use of production index	No
Name, address and faxnumber of organization responsible for sire evaluation and publication	State Breeding Enterprises CS-252 09 Hradistko Czechoslovakia  State Breeding Enterprises Paulinyho Totha 1 CS-812 13 Bratislava
Key references on methodology applied	Čermák, Příbyl, Šereda, Váchal 1987. Evaluation of progeny results through linear model of the BLUP method in CSSR. Acta Sci. Bohemoslov

COUNTRY: CZECHOSLOVAKIA											
Number of AI bulls (NB) tested, means (X) and standard deviations (SD) of proofs (RBV) from most recent run, by bull's year of proof (YP) and breed											
		Milk		Fat		Protein		Fat %		Protein %	
YP	NB	X	SD	X	SD	X	SD	X	SD	X	SD
Breed:		Fleischvieh									
1980	403	98.1	8.3	98.2	7.9						
1981	361	97.3	7.8	97.3	9.0						
1982	328	96.3	7.6	96.3	7.6						
1983	281	97.3	8.2	97.2	8.1						
1984	345	97.9	7.4	97.5	8.5						
1985	318	98.4	7.4	98.5	7.3						
1986	365	98.5	7.3	97.9	8.7						
1987	405	100.0	8.8	100.0	8.4						
Breed:		Friesian									
1980	57	98.2	7.2	98.0	7.1						
1981	84	97.4	6.5	97.7	7.1						
1982	50	99.1	8.3	99.1	7.4						
1983	48	98.0	8.3	98.7	7.4						
1984	35	100.3	7.1	100.8	7.4						
1985	47	100.0	7.8	100.1	6.6						
1986	41	99.4	7.4	99.4	7.3						
1987	101	100.0	8.9	100.0	8.4						

COUNTRY: CZECHOSLOVAKIA						
Average of adjusted production records (kg) included in the most recent evaluation run, by daughters' year of production (YP) and breed						
YP	Milk	Fat	Protein	Fat %	Protein %	
Breed:	Fleischvieh					
1980	2914	119		4.10		
1981	3033	123		4.07		
1982	3033	124		4.08		
1983	3104	125		4.03		
1984	3238	130		4.00		
1985	3300	134		4.04		
1986	3361	136		4.03		
1987	3317	136		4.11		
Breed:	Friesian					
1980	3337	132		3.97		
1981	3346	135		4.02		
1982	3457	139		4.01		
1983	3352	132		3.94		

**COUNTRY: CZECHOSLOVAKIA****Average of adjusted production records (kg) included in the most recent evaluation run, by daughters' year of production (YP) and breed**

<b>YP</b>	<b>Milk</b>	<b>Fat</b>	<b>Protein</b>	<b>Fat %</b>	<b>Protein %</b>
1984	3423	139		4.06	
1985	3720	151		4.07	
1986	3566	147		4.11	
1987	3638	147		4.04	