

**FACTS ON SIRE EVALUATION PROCEDURES APPLIED FOR
PRODUCTION TRAITS**

COUNTRY: SLOVENIA

Breed(s)	[I] Simmental, Black and White [III] Brown breed
Trait(s) evaluated and unit(s) of measurement	Milk and fat (kg), fat and protein (%)
Number of lactations	1
Genetic parameters assumed	$h^2 = 0.25$ all traits
Criteria for inclusion and extension of records	Only actual lactation yields 200-305 days are included. No adjustment or extension.
Sire categories evaluated	AI sires
Environmental effects considered by pre-adjustment	Age at calving and calving interval
by evaluation model	Herd level class*season*year*region, group of sires
Base for age adjustment (months)	[I] 27 months; [III] 29 months
Use of genetic groups and/or relationships	Genetic groups by birth year of bull and pedigree
Method of evaluation	ST BLUP SM
Expression of proof	EBV (kg,%), RBV (mean=100) and BV-12 (SD=12)
Genetic (reference) base	Fixed genetic base, average of genetic groups for bulls born '80,'81 and '82
Criteria for official publication of sire proofs	10 daughters
Number of evaluations/publications per year	1
Use of production index	Total merit index
Name, address and faxnumber of organization responsible for sire evaluation and publication	Janez Pogačar, Ph.D., associate professor University of Ljubljana Biotechnical Faculty, Zootechnical Department, Groblje 3, 61230 Domžale, Slovenia Tel: +38 61 713 611 Fax: +38 61 721 005
Key references on methodology applied	Pogačar, J. 1989. Sire evaluation in Slovenia.

COUNTRY: SLOVENIA

Number of AI bulls (NB) tested, means (X) and standard deviations (SD) of proofs (kg) from most recent run, by bull's year of birth (YB) and breed

		Milk		Fat		Protein		Fat %		Protein %	
YB	NB	X	SD	X	SD	X	SD	X	SD	X	SD
Breed:		Simmental									
1975	14	78	120	2.6	4.2			0.01	0.04		
1976	16	87	112	2.1	4.9			-0.02	0.06		
1977	18	49	79	1.2	3.2			0.00	0.05		
1978	18	111	83	3.5	3.2			0.01	0.04		
1979	16	103	113	3.3	4.5			0.02	0.04		
1980	12	126	116	4.6	4.1			0.04	0.05		
1981	18	152	138	4.4	4.4			0.01	0.09		
1982	17	195	181	6.5	6.5			0.02	0.08		
1983	14	182	147	4.5	4.3			-0.01	0.10		
1984	17	120	183	1.0	8.6			-0.04	0.09		
Breed:		Brown Breed									
75	11	42	201	2.3	7.3	0.04	0.08				
76	6	39	132	1.0	4.5	0.00	0.10				
77-78	14	78	75	1.3	3.9	-0.03	0.08				
79	11	-4	111	-0.6	5.3	0.01	0.10				
80-81	20	37	116	-1.4	4.9	-0.07	0.08				
82	13	-8	119	0.2	4.6	0.03	0.07				
83-84	25	0	114	0.2	4.6	0.04	0.10				
Breed:		Brown Breed (100 % BS)									
75-80	11	222	217	8.6	8.5	0.02	0.08				
81-84	11	115	155	4.8	6.0	0.01	0.07				
Breed:		Black and White									
75-76	8	56	447	2.4	18.3	0.01	0.19				
77	5	-3	624	1.1	18.8	0.02	0.20				
78-79	12	3	275	-1.1	9.3	-0.02	0.15				
80-81	8	13	256	-3.8	11.2	-0.08	0.09				
82	10	108	364	-2.7	14.1	-0.11	0.09				
83-84	11	41	245	0.6	6.2	0.00	0.14				
Breed:		Black and White (100% HF)									
75-80	7	311	269	8.5	12.0	-0.06	0.17				
81-84	7	297	280	15.2	8.9	0.08	0.13				

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Average of adjusted production records (kg) included in the most recent evaluation run, by daughters' year of calving (YC) and breed

YC	Milk	Fat	Protein	Fat %	Protein %
Breed:	Simmental				
1982	3140	120		3.82	
1983	3041	117		3.83	
1984	3067	118		3.83	
1985	2993	114		3.81	
1986	2923	118		3.82	
1987	3027	116		3.84	
1988	3081	117		3.80	
1989	3189	121		3.77	
1990	3250	123		3.78	
Breed:	Brown Breed				
1982	3485	132		3.78	
1983	3289	124		3.77	
1984	3312	125		3.75	
1985	3252	122		3.75	
1986	3148	119		3.77	
1987	3315	127		3.85	
1988	3366	129		3.84	
1989	3404	130		3.82	
1990	3480	136		3.83	
Breed:	Black and White				
1982	4757	177		3.74	
1983	4566	171		3.75	
1984	4664	173		3.72	
1985	4539	166		3.67	
1986	4673	170		3.64	
1987	4973	181		3.66	
1988	4829	175		3.64	
1989	4828	176		3.64	
1990	4880	178		3.64	