FACTS ON APPLIED SIRE-EVALUTATION PROCEDURES FOR DAIRY PRODUCTION TRAITS

COUNTRY	HUNGARY
Breed(s)	Red and White Holstein, Black and White Holstein
Traits evaluated and units of measurement	Milk and fat (kg), fat %
Number of lactations	1
Genetic parameters applied	h^2 milk = 0.25
Inclusion and extension of records	Standard lactation 240-305 days Rec. from culled cows and records in progress are excluded. Age at calving 18-36 months
Sire categories evaluated	All AI sires
Effects considered by preadjustments	Age at calving
by model of evaluation	Herd-year-season, breed composition of dam, sire
Base for age adjustment	24 months
Use of genetic groups/ relationships/pedigree	Bull groups by year of birth
Method of evaluation used	Single trait BLUP
Expression of genetic merit	PD (kg, %)
Genetic base, kind/definition	Fixed base, average PD of bulls born in 1978
Minimum requirements for official publication of sire proofs	Rpt: 60%
Use of selection index or total merit index	Performance index is used, combining PD for milk, fat (kg and %) and type
Name and address of organization responsible for sire evaluations and publishing of results	Institute for Agricultural Quality Control, Budapest, 1024 Keleti K.u.24. Hungary
Key references on methodology applied	

Country: Hungary App.1

Number of bulls tested, means and standard deviations of proofs by year

Year of first proof	No. of bulls	Predicted differences		
		Milk kg $\bar{x}$	Fat kg $\bar{x}$	Fat % $\bar{x}$
Breed: Black and White Holstein				
1981	61	-72	-5.2	-0.02
82	65	12	-0.3	0.00
83	67	43	0.5	0.00
84	55	0	0.0	0.00
85	112	135	3.9	0.00
86	113	146	4.3	0.01
87	67	51	0.5	0.01

Country: Hungary App.2

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

Year of production	Traits		
	Milk kg	Fat kg	Fat %
Breed: Black and White Holstein			
1984	4417	161	3.66
85	4465	163	3.64
86	4509	164	3.66
87	4563	166	3.66