

# FACTS ON APPLIED SIRE-EVALUATION 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	$h^2=0.25$
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
Method of evaluation used	Single trait BLUP
Expression of genetic merit	PD (kg, %)
Genetic base, kind/definition	Fixed base, average PD of all bulls evaluated in 1971(Black and White Holstein)and 1976(Red and White Holstein)
Minimum requirements for official publication of sire proofs	Rpt: >75%
Use of selection index or total merit index	Performance index is used, combining PDM, PDF, PD % and PD for type
Name and address of organization responsible for sire evaluations and publishing of results	Institute for Animal Breeding and Feed Control Budapest, 1024 Keleti K.u.24. Hungary
Key references on methodology applied	

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 %
<b>Breed: Black and White Holstein</b>			
1977	4188	153	3.68
78	4309	157	3.67
79	4231	154	3.66
80	4161	152	3.69
81	4330	157	3.65
82	4645	168	3.66
83	4385	159	3.65
<b>Breed: Red and White Holstein</b>			
1979	4234	161	3.84
80	4107	152	3.72
81	4028	150	3.74
82	4250	155	3.68
83	4271	153	3.61