

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

COUNTRY: SPAIN

Breed(s)	Holstein-Friesian
Trait(s) evaluated and unit(s) of measurement	Milk(kg), fat and protein (kg, %)
Number of lactations	All
Genetic parameters assumed	h^2 :yield = 0.25, t = 0.40 h^2 :content = 0.40, t = 0.50
Criteria for inclusion and extension of records	First lactation compulsory. Records 240-305 days included without extension; no records < 240 days. Records in progress are included if there are at least 60 days in lactation and at least 3 samples.
Sire categories evaluated	All
Environmental effects considered by pre-adjustment	None
by evaluation model	Herd*year*season (mobile), lactation*age, month of calving
Base for age adjustment (months)	-
Use of genetic groups and/or relationships	All available relationship is used
Method of evaluation	ST BLUP repeatability AM
Expression of proof	EBV
Genetic (reference) base	Average EBV of cows born in 1985
Criteria for official publication of sire proofs	20 daughters with completed lactation in at least 5 herds
Number of evaluations/publications per year	2/2
Use of production index	Combined production-type index (ICO)
Name, address and faxnumber of organization responsible for sire evaluation and publication	INIA Asociacion National FE Ctra. de Andalucia, Km 23.600 VALDEMORO (Madrid) Spain Fax: 34 1 3572293
Key references on methodology applied	Alenda, R. Jurado, J.J. and Ugarte, E. 1987. Genetic evaluation by the animal model. I. Estimation of genetic values in dairy cattle and application of results. EAAP Lisbon