

FACTS ON SIRE EVALUATION PROCEDURES APPLIED FOR PRODUCTION TRAITS

COUNTRY: HELLAS (GREECE)

Breed(s)	Black and White, Brown Swiss
Trait(s) evaluated and unit(s) of measurement	Milk (kg)
Number of lactations	1-10
Genetic parameters assumed	h^2 : 0.20; t : 0.40
Criteria for inclusion and extension of records	Records not included if lactations shorter than 200 or longer than 700 days. Minimum production required 1000 kg. No extension of records shorter than 305 days. Records in progress and records of culled animals are not included.
Sire categories evaluated	Semen of imported sires already progeny tested in their country of origin and young sires of hellenic origin with family records.
Environmental effects considered by pre-adjustment	-
by evaluation model	Parity; Region*Year*Season*Herd level
Base for age adjustment (months)	-
Use of genetic groups and/or relationship	Genetic groups and relationship
Method of evaluation	ST BLUP repeatability AM
Expression of proof	ETA's
Genetic (reference) base	Stepwise, cow base rolling every 5 years, now 1985
Criteria for official publication of sire proofs	All imported sires with at least 20 daughters and young sires of hellenic origin with known ancestors born in last two years.
Number of evaluations/publications per year	2
Use of production index	-
Name, address and faxnumber of organization responsible for sire evaluation and publication	Aristotle University of Thessaloniki Faculty of Agriculture, Department of Animal Production in collaboration with the Ministry of Agriculture, Direction of Animal genetic improvement. Tel: 3031 471256 Fax: 3031 473275

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Key references on methodology applied	Wiggans, G.R., Misztal, I. & Van Vleck, L.D. 1988. Implementation of an animal model for genetic evaluation of Dairy cattle in the United States. J. Dairy Sci. 71 (suppl. 2): 54-69.
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