

COUNTRY'S NAME	BULGARIA
Production traits	Milk and fat
Breed	HOL, BSW, Rodopa montain cattle (25 – 75% GER)
Trait definition and unit of measurement	Milk and fat yield (kg), fat content (%)
Criteria for inclusion & extension of records	The records with non-identified sires (<10%) are not use in the calculations. The records in progress are checked for: milk >15 000 kg, fat % <2% and >6%, age of first breeding <600 and >1200 days, calving interval. Records in progress and from culled cows are not used. All other lactations should have more than 240 DIM. No extension.
Time period for data inclusion	Cows born since 1976
Sire categories	AI – 100% (including imported bull: 40-60%, of which 5-10% are ET produced)
Number of lactation's included in the evaluation	3
Environmental effects: Pre-adjustment	Age of first calving and calving interval. Adjustment factors are updated before each evaluation.
Base for age pre-adjustment	Floating mean
Method (model) of genetic evaluation	ST – R – BLUP – AM
Environmental effects in the genetic evaluation model	Fixed: Herd-year-season, age Random: Animal
Use of genetic groups	No genetic group used.
Genetic parameters in the evaluation	Milk: $h^2 = 0.30$, $t = 0.50$ Fat: $h^2 = 0.40$, $t = 0.60$
System validation	Check on data quality, trend estimation, and RBV correlation.
Expression of genetic evaluations	EBV
Genetic (reference) base	Rolling, breed average
Next base change	
Criteria for official publication of evaluations	Minimum reliability: 70% for HOL and 50% for BSW
Number of evaluations / publications per year	2, May and November
Use in production / total merit index	No
Anticipated changes in the near future	Adjustment for heterogeneous variance, total merit index.
Key reference on methodology applied	Ducrocq, V., D. Biochard, B. Bonaity, A. Barbat, and M., Briend.1990. A pseudo-absorbtion strategy for solving animal model equations for large data files. J. Dairy Sci. 73:1945. For details contact: J. Krastanov, Ph.D.: Krastanov@mbox.dygsis.bg
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