

Country

Belgium

Trait category:

Individual trait(s):

Workability

Milking speed

Temperament

Conformation

Udder

Locomotion

Other

Genetic Committee
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BELGIUM

Workability traits	Milking speed Temperament
Breed(s)	Holstein, Red, Red & White, East Flemish, Red Flanders, MRY, Black & White
Trait definition and unit(s) of measuring	Workability traits are scored on a linear 1-5 point scale
Method of measuring and collecting data	Scored by farmer and collected by classifier
Time period for data inclusion	Since 1991
Age groups	22 to 38 months
Genetic parameters	$h^2_{\text{milking speed}} = 0.20$ $h^2_{\text{temperament}} = 0.11$
Sire categories	AI-bulls
Environmental effects pre-adjustment evaluation model	None Standard x herd x date of classification x classifier, month in milk, age at classification
Base for age adjustment	None
Use of genetic groups and/or relationships	All known relationships are used and unknown parents are grouped in genetic groups according to breed, sex and birth year
Method (model) of genetic evaluation	ST BLUP AM
System validation	-
Expression of proof	Standardized EBV from -3 to +3
Genetic (reference) base	Average EBV of cows born in 1990
Criteria for official publication of sire proofs	RPT \geq 0.50 if sampled in Belgium
Number of evaluations/publications per year	Two; January, July
Use in total merit index	No
Key reference on methodology applied	Detilleux et al., 1995. Interbull report (Prague)

Conformation traits	Udder: fore udder attachment, udder depth, rear udder height, rear udder width, suspensory ligament, teat placement, teat length, udder overall Locomotion: rear leg set, claw diagonal Other: stature, forehand, middlehand, loin & chine, rump angle, rump width, muscularity, size overall, type overall, muscularity overall, final score
Breed(s)	Holstein, Red, Red & White, East Flemish, Red Flanders, MRY, Black & White
Trait definition and unit(s) of measuring	Individual traits are scored on a linear 1-9 point scale, following recommendation of the European and World-wide group for harmonization of linear type classification Overall traits are scored on a 65-99 scale
Method of measuring and collecting data	Scored by classifier
Time period for data inclusion	Since 1991
Age groups	22 to 38 months
Genetic parameters	$h^2_{\text{udder traits}} = 0.22 \text{ to } 0.38$ $h^2_{\text{locomotion traits}} = 0.14 \text{ to } 0.19$ $h^2_{\text{other traits}} = 0.23 \text{ to } 0.59$
Sire categories	AI-bulls
Environmental effects pre-adjustment evaluation model	None Standard x herd x date of classification x classifier, month in milk, age at classification
Base for age adjustment	None
Use of genetic groups and/or relationships	All known relationships are used and unknown parents are grouped in genetic groups according to breed, sex and birth year
Method (model) of genetic evaluation	ST BLUP AM
System validation	-
Expression of proof	Standardized EBV from -3 to +3
Genetic (reference) base	Average EBV of cows born in 1990
Criteria for official publication of sire proofs	RPT ≥ 0.50 if sampled in Belgium
Number of evaluations/publications per year	Two; January, July
Use in total merit index	No
Key reference on methodology applied	Detilleux et al., 1995. Interbull report (Prague)

