

Country

Argentina

Trait category:

Conformation

Individual trait(s):

Udder

Locomotion

Other

Evaluation:

Sociedad Rural Argentina

Florida 460

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Publication:

Asoc. Criadores Holando Argentino

Laprida 1818

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ARGENTINA

Conformation traits	<p>Udder: udder texture, fore udder attachment, rear udder attachment, median suspensory, fore udder teat placement, rear udder teat placement, mammary system, fore udder, rear udder</p> <p>Locomotion: rear heel, bone quality, set of rear legs, feet & legs</p> <p>Other: stature, size, style, dairyness, head, chest floor, loin strength, rump width, pin setting, final class, general appearance, dairy character, capacity, rump</p>
Breed(s)	Holstein
Trait definition and unit(s) of measuring	Most traits are scored on a linear 1-9 point scale, except for descriptive traits: final class, general appearance, dairy character, capacity, rump feet & legs, mammary system, fore udder and rear udder, which are scored in 18 classes
Method of measuring and collecting data	Scored by official classifier
Time period for data inclusion	Since 1985
Age groups	1 st score, no age restriction
Genetic parameters	$h^2_{\text{udder traits}} = 0.07 \text{ to } 0.17$ $h^2_{\text{locomotion traits}} = 0.05 \text{ to } 0.17$ $h^2_{\text{other traits}} = 0.10 \text{ to } 0.41$
Sire categories	All
Environmental effects pre-adjustment evaluation model	None Herd x year x classifier, age at calving, stage of lactation at classification
Base for age adjustment	None
Use of genetic groups and/or relationships	Relationship matrix with sires and MGS
Method (model) of genetic evaluation	ST BLUP SM
System validation	-
Expression of proof	ETA standardized with M = 0 and SD = 5, higher values are more desirable, except for pin setting and set of rear legs, where medium values are more desirable
Genetic (reference) base	Bulls ≥ 5 daughters and REL $\geq 30\%$
Criteria for official publication of sire proofs	≥ 10 daughters in ≥ 3 herds
Number of evaluations/publications per year	Two

Conformation traits
continued

Udder
Locomotion
Other

Use in total merit index

IPF:
 $3 \times (0.5 \times \text{kg milk} + 0.5 \times \text{kg fat}) + (0.5 \times \text{mammary system} + 0.3 \times \text{final score} + 0.2 \times \text{feet \& legs})$

Key reference on methodology applied

Musi, D.O., 1989. Genetic Improvement Programs of Argentine Holstein. Rev. Bras. Genet. 12: 321-330