

<p>BELGISCH WARMBLOEDPAARD (BWP)</p> <p>Postal address: Waversebaan 99 3050 Oud-Heverlee Belgium</p> <p>Telephone: +32 16 479980</p> <p>Facsimile: +32 16 479985</p> <p>E-mail: info@bwp.be</p> <p>Webpage: www.bwp.be</p> <p>Latest update: November 2004</p>	<p>1. BREEDING POPULATION</p> <p>2. BREEDING OBJECTIVE</p> <p>3. TESTING PROCEDURES AND DATA RECORDING Stallion testing procedures Competition results</p> <p>4. GENETIC EVALUATION Show jumping Conformation</p>
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1. BREEDING POPULATION

Breed(s)	Belgian Warmblood
Total number of breeding stallions used for mating	153 (Belgium) (2004) 27 (BWP-NAD) (2004)
Total number of mares covered	3650 (2003) (coverings by BWP stallions)
Number of mares covered by AI	Almost 100%
Number of foals registered	2371 (foals of approved BWP stallions) (2003) 1301 (foals by non-BWP approved stallions) (2003)
Format of ID numbers of horses	AAA-XXXXXX-BBB AAA = code for the country XXXXXX = number BBB = code for the studbook Example : BEL-XXXXXX-BWP
Does the studbook use the unique equine lifenumber (UELN)? (yes/no)	No

2. BREEDING OBJECTIVE

Breeding objective (in no more than 50 words)	A noble modern and correctly-built warmblood horse with a rectangular frame, big outlines and good basic paces. The horse should be pleasant to ride and have an unobjectionable character, so that it can be used by any rider, both as pleasure horse and as a performance horse on national and international level. There has to be a balance between conformation, performance and health.
Traits of importance (in order of importance) - high: - medium: - low:	conformation, dressage, show jumping, health behaviour, fertility eventing ability driving

3. TESTING PROCEDURES AND DATA RECORDING

Stallion testing procedures

Discipline	Conformation, dressage, show jumping
Name of test	Hengstenkeuring (stallion test)
Is this test a licensing test? (yes/no)	yes
Annual number of tested horses	100 - 130
Number of test locations	1
Average age of tested horses (years)	3-4 years
Length of test	Phase 1 (veterinary inspection) Phase 2 (2 days) Phase 3 (1 day)
Name of recorded variables	Phase 1 : veterinary inspection Phase 2 : conformation + free jumping Phase 3: presentation under saddle (walk, trot, canter, character) dressage test (for the older dressage stallions) jumping under saddle (take off, technique, power)
Scale of recorded traits	very good, good, average, insufficient

Conformation scoring

Discipline	conformation
Name of test	BWP prijskamp
Is this test a licensing test? (yes/no)	No
Sex of horses	Mares
Annual number of tested horses	1870 (2003)
Number of test locations	30
Average age of tested horses (years)	1 to 25 year
Length of test	½ hour / categorie
Name of recorded variables (scale traits)	structure legs walk trot
Scale of recorded traits	0 - 20 points

Conformation - free jumping scoring

Discipline	Conformation/ free jumping
Name of test	Judgement report for mares
Is this test a licensing test? (yes/no)	No
Sex of horses	Mares (those who enter the studbook)
Annual number of tested horses	206 (conformation) (2003) 68 (free jumping) (2003)
Number of test locations	30
Average age of tested horses (years)	3-4 year
Length of test	¼ hour/mare (conformation) , 10 min. (free jumping)
Name of recorded variables (scale traits)	1. Height at withers 2. PART I : conformation and gaits (33 traits) Shape Condition Head-neck connection Length, muscling and direction of the neck Length and height of the withers Length and position of the shoulders Length and line of back Line of loins Shape and length of croup Muscularity of haunches Stance of forelegs and hindlegs Stance and development of hock joint

	Stance of pasterns Shape of feet Heels Quality and substance of the legs Walk : length of stride, impulsion an take off, carriage and elasticity Trot : length of stride, impulsion an take off, carriage and elasticity 2. PART II : Free jumping (10 traits) Galop : length of stride, impulsion an take off, carriage and elasticity Take off Power Technique foreleg, back, hind Care Willingness
Scale of recorded traits	Biological scale, average = 0 Selection between 9 possibilities

Competition results

Type of competition (including discipline and levels)	show jumping Stallions have to participate in competitions for young horses (4, 5, 6, 7 years, Klassieke Cyclus) organised at regional and national level
Sex of horses	Stallions, mares and geldings
Number of horses in competition (per year)	Approx. 1000
Number of competition events (per year)	10 - 15
Number of starts	6000 – 15,000
Name of recorded traits	Points (based on faults + time)
Scale of recorded traits	0 – 200

4. GENETIC EVALUATION

show jumping

Traits	Ranking converted into normal score Trait 1. competitions results at National level Trait 2. competition results LRV (levels L, M, Z)
Origin of data	Trait 1. KBRSF Koninklijke Belgische Ruitersport Federatie Trait 2. LRV Landelijke Rijverenigingen
Method of evaluation	bivariate BLUP animal model
Effects considered by statistical model	- competition - sex - age - permanent environment
Heritabilities	Trait 1 = 0.11 Trait 2 = 0.10
Genetic correlation	Between trait 1 and trait2 = 0.63
Publication scale (mean and s.d.)	100 ± 20 (Based only on breeding value for trait 1!)
Definition of base population	No base population defined (average breeding value for trait 1 is set to 100)
What breeding values are published?	Indexes for stallions (GSIn Genetische Spring Index) only for Group 1 with accuracy >0.75, ≥5 progeny other data on request (studbook BWP)
Where are breeding values published?	By studbooks BWP and sBs or on FTP site: ftp://ftp.cc.kuleuven.ac.be/pub/chg
Key reference	Janssens, S., Vandepitte, W., 2001. Genetische Springindex uitgebreid, <i>Het Belgisch Warmbloedpaard</i> , januari 2001, 36-38 (in Dutch)

conformation

Traits	relative rank
Origin of data	BWP Prijskampgegevens / only mares
Method of evaluation	Single trait animal model
Effects considered by statistical model	- age - competition
Heritabilities	0.24
Publication scale (mean and s.d.)	100 ± 20
Definition of reference population	Not defined
What breeding values are published?	Indexes for BWP stallions
Where are breeding values published?	Hard copy in "Het Belgisch Warmbloedpaard" and in catalogues or on FTP site : ftp://ftp.cc.kuleuven.ac.be/pub/chg
Key reference	Geysen, D., Janssens, S., Vandepitte, W., 2000,. Prijskampindexen voor dekhengsten, <i>Belgisch Warmbloedpaard</i> , May 2000, No 5, mei 2000, p. 18-21