

**VERBAND DER ZÜCHTER UND  
FREUNDE DES  
OSTPREUßISCHEN  
WARMBLUTPFERDES  
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**1. BREEDING POPULATION**

Breed(s)	Trakehner
Total number of breeding stallions used for mating	222 (2007)
Total number of mares covered	2296 (2007)
Number of mares covered by AI	1909 (2007)
Number of foals registered	1333 (2007)
Format of ID numbers of horses	UELN
Does the studbook use the unique equine lifenumber (UELN)? (Y/N)	Y

## 2. BREEDING OBJECTIVE

Breeding objective (in no more than 50 words)	Sound horse with Trakehner type, a big frame and correct and harmonious body proportions. versatile riding and performance horse, easy to ride, with an energetic, elastic and ground-covering way of moving. Good and stable temperament. Spirited but kind, intelligent, very willing to perform and with a tremendous stamina.
Traits of importance (in order of importance)	
- high:	dressage, eventing ability, gaits, conformation, behaviour, type
- medium:	show-jumping, health
- low:	driving, fertility

## 3. TESTING PROCEDURES AND DATA RECORDING

### *Stallion testing procedures*

Discipline	dressage / show jumping
Name of test	1. 30-Tage-Veranlagungstest 2. Hengstleistungsprüfung
Is this test a licensing test? (Y/N)	1. yes, total score has to be at least 7,0 or dressage or jumping score has to be at least 8,0 2. yes, total scores has to be at least 90 points or dressage or jumping index has to be at least 110 points
Annual number of tested horses	30 (average)
Number of test locations	10
Average age of tested horses (years)	3
Length of test	1. 30 days 2. 70 days
Name of recorded variables	- interieur - walk - trot - canter - rideability - free jumping - jumping under saddle (only 2.)
Scale of recorded traits	1 – 10

*Young horse testing procedures*

Discipline	Dressage / show jumping
Name of test	Stutenleistungsprüfung/Remonteprüfung auf Station
Is this test a licensing test? (Y/N)	No
Sex of horses	Mares and geldings
Annual number of tested horses	Mares: 100 Geldings: 3
Number of test locations	Mares: 12 Geldings: 2
Average age of tested horses (years)	3 - 4 years
Length of test	14 - 30 days
Name of recorded variables	- interieur - walk - trot - canter - rideability - free jumping
Scale of recorded traits	1 – 10

Discipline	Dressage / show jumping
Name of test	Stutenleistungsprüfung/ Remonteprüfung im Feld
Is this test a licensing test? (Y/N)	N
Sex of horses	Mares and geldings
Annual number of tested horses	Mares: 270 Geldings: 5
Number of test locations	Mares: 22 Geldings: 4
Average age of tested horses (years)	3 – 4 years
Length of test	1 day
Name of recorded variables (scale traits)	- walk - trot - canter - rideability - free - jumping
Scale of recorded traits	1 – 10

Discipline	Conformation
Name of test	1. Körung 2. Stuteneintragung 3. Fohlenregistrierung
Is this test a licensing test? (Y/N)	1. and 2. Yes 3. No  1. Stallions: average score $\geq 7.5$ . 2. Mares: average score $\geq 5.0$ (studbook 1).
Sex of horses	1. Stallions, 2. mares 3. foals (male and female)
Annual number of tested horses	1. Stallions: 250 2. Mares: 500 3. Foals: 1300
Number of test locations	1. Stallions: >2 2. Mares: >10 3. Foals: >100
Average age of tested horses (years)	1. Stallions: 2.5 years 2. Mares: 3 years and older 3. Foals: 0.5 year
Length of test	1. 4 days, 2. and 3. 1 day
Name of recorded variables (scale traits)	- type - conformation (body) - conformation (legs) - walk - trot - canter - general impression
Scale of recorded traits	1 – 10  The dates of 2. and 3. are used for the evaluation of breeding values for sires (BLUP)

Discipline	Health and fertility
Name of test	1. Röntgenologische und 2. Klinische Untersuchung
Sex of horses	Stallions, mares, geldings. Foals only 2. (stallions for grading and auction horses)
Annual number of tested horses	Stallions: 65 Mares: 10 Geldings: 10 Foals: 15
Average age of tested horses (years)	Stallions: 2.5 years

	Mares and geldings: 3,5 years Foals 0,5 year
Name of recorded variables (scale traits)	1. X-ray examinations

#### 4. GENETIC EVALUATION

Traits	show jumping and dressage
Origin of data	sport events - show jumping and dressage competitions (TSP) - show jumping and dressage of young horses' competitions (ABP) - own performance test mares (ZSP) - own performance test stallion (HLP)
Method of evaluation	BLUP multitrait repeatability animal model
Effects considered by statistical model	- age x sex - rider's competition group - competition (competition data) - test group (own performance data) - proportion of thoroughbred
Heritabilities	TSP - jumping: 0.10 TSP - dressage: 0.11  ABP - jumping: 0.18 ABP - dressage: 0.11  ZSP - walk: 0.32 ZSP - trot: 0.35 ZSP - canter: 0.37 ZSP - rideability: 0.35 ZSP - free jumping: 0.37  HLP - walk: 0.42 HLP - trot: 0.47 HLP - canter: 0.43 HLP - rideability: 0.51 HLP - free jumping: 0.46 HLP - parcours jumping: 0.36
Publication scale (mean and s.d.)	Breeding values are standardised on a scale with mean 100 and standard deviation of 20 points.

Definition of base population	All stallions born 1998-1992 and having passed a stallions'performance test or having at least 5 offspring.
What breeding values are published?	Breeding values for stallions only, if reliability of estimated total index (jumping or dressage) >75% and if at least 5 offspring have own performance in jumping or dressage.
Where are breeding values published?	FN Jahrbuch Zucht, Der Trakehner, Trakehner Hengstverteilungsplan
Key reference	J. Jaitner and F. Reinhardt <a href="http://www.vit.de/English/Additor/Binary287/Description_integrated_breeding_evaluation_horses_2003.PDF">http://www.vit.de/English/Additor/Binary287/Description_integrated_breeding_evaluation_horses_2003.PDF</a>