

<p><b>DANISH WARMBLOOD SOCIETY (DWB)</b></p> <p>Postal address:  Vilhelmsborg allé 1  8320 Marslet  Denmark</p> <p>Telephone: +45 87 47 54 00</p> <p>Facsimile: +45 87 47 54 10</p> <p>E-mail: <a href="mailto:kc@varmblod.dk">kc@varmblod.dk</a></p> <p>Webpage:  <a href="http://www.varmblod.dk/ENGELSKny/index.htm">http://www.varmblod.dk/ENGELSKny/index.htm</a></p> <p>Latest update: 2 October 2007</p>	<p><b>1. BREEDING POPULATION</b></p> <p><b>2. BREEDING OBJECTIVE</b></p> <p><b>3. TESTING PROCEDURES AND DATA RECORDING</b></p> <p>Conformation testing procedure  Stallion testing procedures  Young horse testing procedures  Competition results</p> <p><b>4. GENETIC EVALUATION</b></p> <p>Conformation  Gaits  Dressage  Jumping</p>
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### **1. BREEDING POPULATION**

Breed(s)	Danish Warmblood
Total number of breeding stallions used for mating	147 (2006)
Total number of mares covered	3.565 (2006)
Number of mares covered by AI	?
Number of foals registered	2.557 (2006)
Format of ID numbers of horses	208 333 DW 07 01 745 208 = country 333 = database code DW = Danish Warmblood 07 = year of birth 01 = consecutive numbers 745 = brand on left hindleg
Does the studbook use the unique equine lifenumber (UELN)? (yes/no)	yes

## 2. BREEDING OBJECTIVE

Breeding objective (in no more than 50 words)	A noble, leggy and supple riding horse with high rideability and a strong health. It has a capacity in either jumping or dressage to compete on international level.
Traits of importance (in order of importance) - high: - medium: - low:	dressage, jumping, conformation and gaits behaviour, fertility and health eventing, driving

## 3. TESTING PROCEDURES AND DATA RECORDING

### Conformation

Discipline	conformation
Name of test	conformation scoring test for stallions and mares
Is this test a licensing test? (yes/no)	Yes
Sex of horses	Stallions and mares
Annual number of tested horses	300 stallions for pre-selection and 1.200 mares for licensing
Number of test locations	20
Average age of tested horses (years)	2.5 years (stallions) and 3 years and older mares
Name of recorded variables (scale traits)	1. type 2. head and neck 3. shoulder and withers 4. topline / quarters 5. front legs 6. hind legs 7. walk 8. trot 9. canter 10. general impression
Scale of recorded traits	scores from 1 to 10

### ***Stallion testing procedures***

Discipline	dressage and jumping
Name of test	station performance test for stallions
Is this test a licensing test? (yes/no)	Yes
Annual number of tested horses	25
Number of test locations	1
Average age of tested horses (years)	3
Length of test	35 days: all stallions are tested in dressage and jumping, but only have to pass in one of the disciplines  (there is also a voluntary 10 days observations test in the spring, without marks)
Name of recorded variables	Dressage discipline: <ol style="list-style-type: none"> <li>1. Temperament (trainer)</li> <li>2. Rideability (trainer, judges and test rider)</li> <li>3. Capacity (trainer, judges and test rider)</li> <li>4. Walk (trainer and judges)</li> <li>5. Trot (trainer and judges)</li> <li>6. Canter (trainer and judges)</li> </ol> Jumping discipline: <ol style="list-style-type: none"> <li>1. Temperament (trainer)</li> <li>2. Rideability (trainer, judges and test rider)</li> <li>3. Canter (trainer, judges and test rider)</li> <li>4. Technique (trainer and judges)</li> <li>5. Capacity (trainer, judges and test rider)</li> </ol>
Scale of recorded traits	scores on a range 1 to 10

### ***Young horse testing procedures***

Discipline	dressage and show jumping
Name of test	station performance test for mares
Is this test a licensing test? (yes/no)	Yes
Sex of horses	Mares
Annual number of tested horses	80
Number of test locations	1
Average age of tested horses (years)	3 years
Length of test	1 month: the mares are tested in both dressage and jumping, but only have to pass in one of the disciplines
Name of recorded variables	Dressage discipline: 1. Temperament (trainer) 2. Rideability (trainer, judges and test rider) 3. Capacity (trainer, judges and test rider) 4. Walk (trainer and judges) 5. Trot (trainer and judges) 6. Canter (trainer and judges)  Jumping discipline: 1. Temperament (trainer) 2. Rideability (trainer, judges and test rider) 3. Canter (trainer, judges and test rider) 4. Technique, loose jumping (trainer and judges) 5. Capacity, loose jumping (trainer and judges)
Scale of recorded traits	scores on a range 1 to 10

### **Young horse testing procedures**

Discipline	dressage and show jumping
Name of test	field performance test of mares
Is this test a licensing test? (yes/no)	yes
Sex of horses	mares
Annual number of tested horses	600
Number of test locations	7
Average age of tested horses (years)	3 years
Length of test	1 day: the mares are tested in both dressage and jumping, but only have to pass in one of the disciplines
Name of recorded variables (scale traits)	Dressage discipline: 1. Rideability (judges and test rider) 2. Capacity (judges and test rider) 3. Walk (judges) 4. Trot (judges) 5. Canter (judges)  Jumping discipline: 1. Rideability (judges and test rider) 2. Canter (judges and test rider) 3. Technique, loose jumping (judges) 4. Capacity, loose jumping (judges)
Scale of recorded traits	scores on a range 1 to 10

### **Young horse testing procedures**

Discipline	dressage or show jumping
Name of test	field performance test of young horses
Is this test a licensing test? (yes/no)	Yes
Sex of horses	Mares, geldings and stallions
Annual number of tested horses	450
Number of test locations	7
Average age of tested horses (years)	4 years
Length of test	1 day: the horses can choose to be tested in the dressage or jumping discipline
Name of recorded variables (scale traits)	<p>Dressage discipline:</p> <ol style="list-style-type: none"> <li>1. Rideability (judges)</li> <li>2. Capacity (judges)</li> <li>3. Walk (judges)</li> <li>4. Trot (judges)</li> <li>5. Canter (judges)</li> </ol> <p>Jumping discipline:</p> <p>Loose jumping:</p> <ol style="list-style-type: none"> <li>1. Technique (judges)</li> <li>2. Capacity (judges)</li> <li>3. Canter (judges)</li> <li>4. Balance (judges)</li> </ol> <p>Jumping with rider:</p> <ol style="list-style-type: none"> <li>5. Technique (judges)</li> <li>6. Capacity (judges)</li> <li>7. Canter (judges)</li> <li>8. Rideability (judges)</li> </ol>
Scale of recorded traits	scores on a range 1 to 10

### **Competition results**

Type of competition (including discipline and levels)	dressage (3 levels: L, M, S)
Sex of horses	stallions, mares, geldings
Number of horses in competition (per year)	2700
Number of competition events (per year)	1400 events at 180 locations
Number of starts	
Name of recorded traits	ranks points
Scale of recorded traits	

Type of competition (including discipline and levels)	show-jumping (3 levels: L, M, S)
Sex of horses	stallions, mares and geldings
Number of horses in competition (per year)	2600
Number of competition events (per year)	1400 events at 180 locations
Number of starts	
Name of recorded traits	ranks points
Scale of recorded traits	

Type of competition (including discipline and levels)	3-days event (3 levels: L, M, S)
Sex of horses	stallions, mares, geldings
Number of horses in competition (per year)	130
Number of competition events (per year)	30 events at 10 locations
Number of starts	
Name of recorded traits	ranks points
Scale of recorded traits	

## 4. GENETIC EVALUATION

### Conformation

Traits	1. type 2. head and neck 3. shoulder and withers 4. topline / quarters 5. front legs 6. hind legs 7. walk 8. trot 9. canter 10. general impression
Origin of data	conformation test for mares conformation test for stallions
Method of evaluation	single trait BLUP animal model
Effects considered by statistical model	year location animal
Heritabilities	
Publication scale (mean and s.d.)	Breeding values are standardised on a scale with mean 100 and standard deviation of 20 points.
Definition of reference population	Stallions with at least 15 progeny
Key reference	The Royal Veterinary and Agricultural University Department of Animal Science and Health Bülowsvej 13 1870 Fredricsberg C Denmark  The National Department of Horse Breeding Udkaersvej 15, Skejby 8200 Århus N Denmark

## ***Jumping***

Traits	loose-jumping: technique loose-jumping: capacity jumping under rider: technique jumping under rider: capacity
Origin of data	stallions station performance test field test for 4-year old horses field test of mares
Method of evaluation	single trait BLUP animal model
Effects considered by statistical model	Year location animal
Heritabilities	
Publication scale (mean and s.d.)	Breeding values are standardised on a scale with mean 100 and standard deviation of 20 points
Definition of reference population	Stallions with at least 15 progeny
Key reference	The Royal Veterinary and Agricultural University Department of Animal Science and Health Bülowsvej 13 1870 Fredriksberg C Denmark  The National Department of Horse Breeding Udkaersvej 15, Skejby 8200 Århus N Denmark

## Gaits

Traits	walk trot canter rideability/capacity
Origin of data	stallions station performance test field test for 4-years old horses field test of mares.
Method of evaluation	single trait BLUP animal model
Effects considered by statistical model	year location animal
Heritabilities	
Publication scale (mean and s.d.)	Breeding values are standardised on a scale with mean 100 and standard deviation of 20 points
Definition of reference population	Stallions with at least 15 progeny
Key reference	The Royal Veterinary and Agricultural University Department of Animal Science and Health Bülowsvej 13 1870 Fredricsberg C Denmark  The National Department of Horse Breeding Udkaersvej 15, Skejby 8200 Århus N Denmark

### ***Dressage (competitions)***

Traits	transformed rank
Origin of data	national competitions
Method of evaluation	single trait BLUP animal model
Effects considered by statistical model	competition group of rider age sex
Heritabilities	0.15
Publication scale (mean and s.d.)	Breeding values are standardised on a scale with mean 100 and standard deviation of 20 points.
Definition of reference population	Stallions with at least 15 progeny
Key reference	The National Department of Horse Breeding Udkaersvej 15, Skejby 8200 Århus N Denmark

### ***Showjumping (competitions)***

Traits	transformed rank
Origin of data	national competitions
Method of evaluation	single trait BLUP animal model
Effects considered by statistical model	competition group of rider age sex
Heritabilities	0.10
Publication scale (mean and s.d.)	Breeding values are standardised on a scale with mean 100 and standard deviation of 20 points.
Definition of reference population	Stallions with at least 15 progeny
Key reference	The National Department of Horse Breeding Udkaersvej 15, Skejby 8200 Århus N Denmark