

IRISH SPORT HORSE (ISH)

Postal address: Maynooth Business
Campus
Maynooth
Co. Kildare
Ireland

Telephone: +353 1 5053584

Facsimile: +353 1 5053562

E-mail: ihb@ihb.ie

Webpage:
<http://www.irishsporthorse.com>

Latest update: 28 September 2005

1. BREEDING POPULATION

2. BREEDING OBJECTIVE

3. TESTING PROCEDURES AND DATA RECORDING

Stallion testing procedure

Competition results

4. GENETIC EVALUATION

Show jumping

1. BREEDING POPULATION

Breeds	Irish Sport Horse, Irish Draught, Thoroughbred
Total number of breeding stallions used for mating	320 (approved) (2004)
Total number of mares covered	7,900 (2004)
Number of mares covered by AI	approximately 1,300 (2004)
Number of foals registered	5,600 (2004)
Format of ID numbers of horses	15 digit registration number incorporating UELN
Does the studbook use the unique equine lifenumber (UELN)? (yes/no)	yes

2. BREEDING OBJECTIVE

Breeding objective (in no more than 50 words)	To produce a noble, modern, correct, sound and athletic sport horse with good basic paces, that is pleasant to ride and with a good temperament, capable of being used as a pleasure or performance horse, and capable of competing in showjumping, eventing and dressage at both national and international level.
Traits of importance (in order of importance) - high: - medium: - low:	gaits, conformation, showjumping ability, health, health, conformation and gaits eventing ability, behaviour, dressage ability, fertility driving
Specific breeding policies	Yes, for the production of showjumping and eventing horses.

3. TESTING PROCEDURES AND DATA RECORDING

Stallion testing procedure

Discipline	
Name of test	station performance test for stallions
Is this test a licensing test? (yes/no)	Test for granting Approved status
Annual number of tested horses	5 to 10
Number of test locations	1
Average age of tested horses (years)	3
Length of test	12 weeks
Name of recorded variables	head neck shoulders and withers body topline hindquarters forelimbs and feet hindlimbs and hocks presence pedigree movement, forelimbs movement, hindlimbs athleticism (jumping) temperament
Scale of recorded traits	

Competition results

Type of competition (including discipline and levels)	show jumping in competition high level: 1.30m, 1.40m, 1.50m medium: 1.20m low level: 90cm, 1.00m, 1.10m
Sex of horses	stallions, mares and geldings
Number of horses in competition (per year)	4,100 (2002)
Number of competition events (per year)	2,700 (2002)
Number of starts	59,000 (2002)
Name of recorded traits	transformed ranks (Blom transformation)
Scale of recorded traits	

4. GENETIC EVALUATION

show jumping

Traits	ranks at high level in competition
Origin of data	competition
Method of evaluation	trivariate BLUP repeatability animal model
Effects considered by statistical model	sex grade of competition age permanent environment of animal
Heritabilities	low level: 0.08 intermediate level: 0.05 high level: 0.03
Genetic correlation	low - medium: 0.97 low -high: 0.66 medium - high: 0.79
Repeatabilities	low level: 0.16 intermediate level: 0.18 high level: 0.14
Publication scale (mean and s.d.)	estimated breeding values are standardised on a scale with mean 100 and standard deviation of 20 points.
Definition of base population	all animals with a breeding value
What breeding values are published?	Breeding values for stallions with accuracy greater than 0.30 Breeding values for mares with accuracy greater than 0.60 and breeding value greater than 80
Where are breeding values published?	www.irishsporthorse.com/publications/default.asp?NCID=21
Key reference	Aldridge, L.I., Kelleher, D.L., Reilly, M. and M. Brophy, 2000. Estimation of the genetic correlation between performances at different levels of show jumping competition in Ireland. <i>J. Anim. Breed. Genet.</i> 117: 65-72. Reilly, M., Foran, M.K., Kelleher, D.L., Flanagan, M.J., and P.O. Brophy, 1998. Estimation of genetic value of showjumping horses from the ranking of all performances in all competitions. <i>J. Anim. Breed.Genet.</i> 115: 17-25.