Finnhorse

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Euroopa Maaelu Arengu Põllumajandusfond: Euroopa investeeringud maapiirkondadesse

Finnhorse

- The Finnhorse is the only original horse breed bred in Finland.
    - bred as a pure breed since 1907
    - Finnhorse is suitable for diverse equine sports and recreational purposes
    - harness racing is the most significant use of the Finnhorse.
    - Finnhorse population about 20 000 horses
    - 1000 foals/year are born

History

- Finnhorses were originally selected for breeding based on the individual horse's conformation
  - From 1920s, there was a shift to selection based on performance tests
  - 1924 Finnhorses were divided into two types, a heavier working horse, and a lighter all-round horse
  - The universal horse studbook was abolished in 1965 and replaced by a studbook for trotters
  - 1971, the Finnhorse stud book has included four sections of breeding: trotter type , riding horse, pony type and a working horse
  - 2021, the working section of the Finnhorse was changed into the working and utility section (working horse and multi-purpose pleasure horses for the whole family)


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Breeding objectives

- versatile horses that meet the requirements of the breed standard
- high performance ability
- easy to handle
- good movements and endurance
- healthy

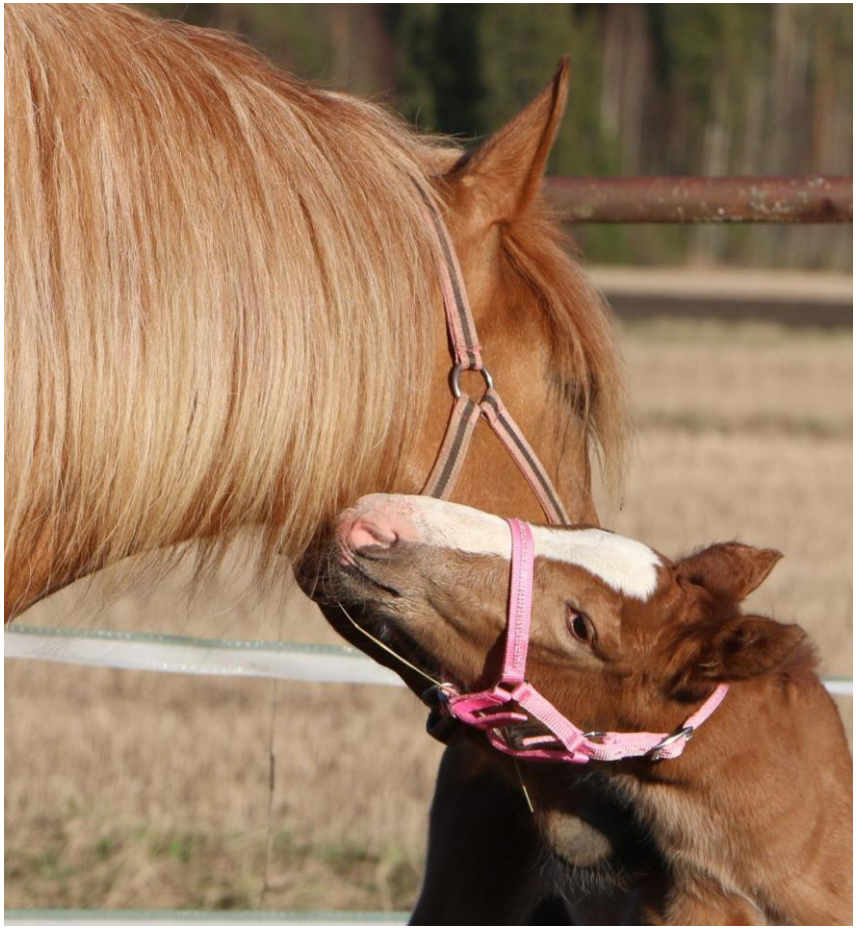
Studbook

- closed studbook

- only individuals descended from purebred Finnhorses can be registered
- geographical territory of Finnhorse breeding programme includes Finland, Sweden, France, Germany, Norway, the Netherlands, Latvia and Estonia.

- **Basic class** All purebred Finnhorses that meet the requirements for entry in the studbook

- **Breeding class** On the basis of a breeding inspection
    - based on their performance and health characteristics



Requirements for entry in the studbook

- the horse is descended from parents in the main section of Finnhorse studbook, and
- - the horse has been identified in accordance with the rules of the studbook (paragraph 4.), and
- - the horse’s pedigree has been established, and
- - the stallion license of the horse’s father has been redeemed for the year of mating, and
- - the horse’s birth certificate has been redeemed from the keeper of the stallion.

Finnhorse breeding inspection

-The basis for the breeding inspection event of horses is the welfare of horses

Breeding inspection event:

- Individual Judging
- Progeny data
  - Approved
  - Awarded

  - 4 years and older horses can participate Breeding inspection
  - It it is suitable for breeding in terms of its performance, disposition, movement, conformation and health.

  - attending veterinarian or the chairman of the board may interrupt the performance of a horse on the basis of issues related to the horse's welfare

Breeding inspection

- measurement

- judging of conformation
-
- performance tests according to the breeding section o judging of disposition

- stallions, a veterinary inspection and analysis by a statement group on the stallion's lineage and performance.

Veterinary inspection:

- all stallions must be x-rayed.
- All stallions must be done an oral examination in sedated horse

- x.-rays and oral examination must be done before breeding inspection by a veterinarian chosen by the owner and at owners expence
- x –rays:
  - distal frontfeet LM including fetlock joint
  - distal frontfeet AP (hoof cartilage ossification)
  - hind fetlocks LM, DPLM, DMPL
  - Stifle LM
  - Hocks DLPM, DMPL

X-rays

- Ossification of collateral cartilages of hoof
  - Grading system based M. Ruohoniemi EVJ 1993

  - Grades 0-1- and 2
  - Grade 3 ; mild ossification,
  - Grade 4-5; stallion will not be approved for breeding class

  - X-rays joints:
  - stallion with OCD- fragments are excluded from breeding class
    - High performance stallions (1 prize achievement) can make an exeption)

Breed preservation

- Population 20 000
  - 1000 foals /year

- Stallion book restrictions
- 150 mares ->120 mares 2020 and 2021
- Max 100 mares (2022 ->)

- Heila Breeding application by Suomen Hippos
  - Breeder education

- Genetic resourses program; Suomen Hippos and LUKE National resources institute Finland
- Nordgen: NordGen is active within several different areas when it comes to conserving and promoting the sustainable use of genetic resources in the Nordic countries

Villiterttu

246001S00181770

Sukupuoli	Tamma
Laji	Suomenhevonen
Syntymäaika	8.7.2018
Syntymämaa	FI
Rekisteröintimaa	FI
Omistaja	Talli Herrantertut
Kasvattaja	Kari-Markku Karjalainen

Lisätiedot Heppa-järjestelmästä

Emälinjan tuotanto

Valitse hevonen testiparitukseen

Polveutuminen

Isä	Vaellus (246001S00101094)
Emä	Hoviheli (1663-96)
Emänisä	Aatami (1074-88)

Sukutiedot

Sukusiitosprosentti	7.20 %
Sukusiitosprosentti (5 sp.)	3.91 %
Sukukatokerroin (5 sp.)	82.30 %
Sukupuun täydellisyys	7
Sukupuun syvyys	22

BLUP

Vuosi	2022
BLUP	128
Arvosteluvarmuus	0.75

Osaindeksit

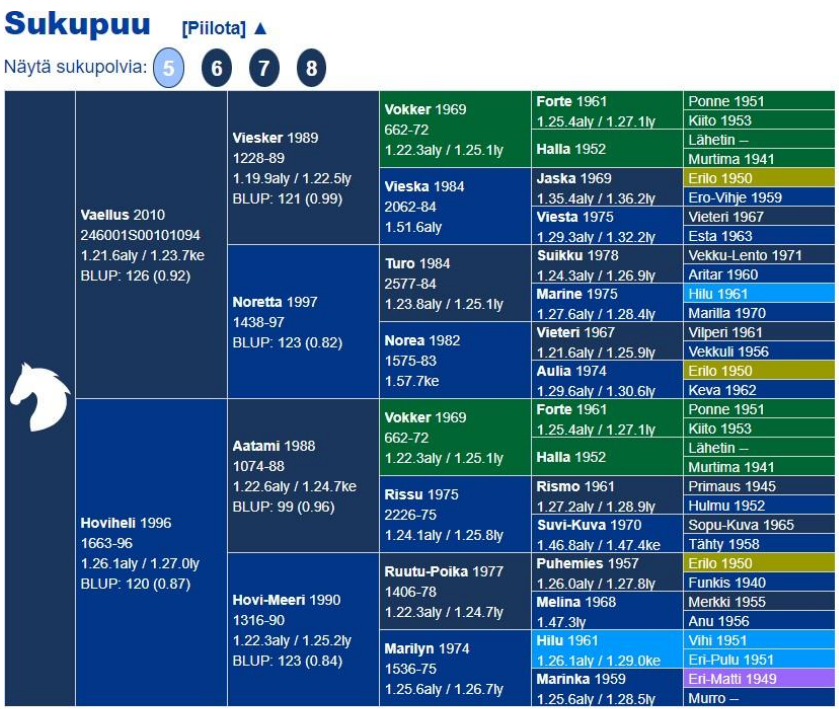
Aikaero	126
Voittosumma	135
Starttiintulo	123
Vuoden paras aika	127

Ravikilpailutilastot

Ennätys	1.37.4ake / 1.38.2ke
Voittosumma €	1 570 €
Voitto%	29 %
Hylkäys%	29 %
Laukka%	57 %
Kilpailujen lkm	7

Heila – breeding app

- Can make dream pedigrees
- Inbreeding rate
- Extinction koefficient



Genetic resources program

- Ministry of agriculture; international agreements

- Suomen Hippos and Natural Resources Institute Finland coordinates
- Frosen semen from 25 stallions to be collected (15 at the moment)
  - To be used in future if
  - Inbreeding rate rises
  - To enhance genetic variation

- Free from osteochondrosis
- Free from summer itch
- Cartilage ossification less than grade 3
- Normal fertility/testicles