



# Kansainvälisesti kilpailukykyinen sianlihantuotantoketju -hanke



## H6A – Boar

A Boar is one important activate factor to get gilts on 1. heat, on stimulation during insemination and helping on heat checking.

### 1. Boar feeding

- 30-65 kg: ad lib, gilts first rearing feed
- 65 – 105 kg: 2,6 – 2,8 Fu /day, gilts second rearing feed
- Over 105 kg: 2,6 – 3,0 Fu / day, insemination or gestation feed
- The boar body condition should check like sows to ensure good durability.

### 2. Pen

- On a pen must have at least 6 m<sup>2</sup> free area / boar
- If the boar does also mating, on pen must have at least 10 m<sup>2</sup> free area / boar
- Do not use a sawdust or cutter as bedding, these may contain estrogen-like substances and that's why could increase the number of returners.

### 3. Controlling / taking care of the boar

- The boar must get same vaccines, as giving herd's vaccination program for sows
- When the using -age reached, do 10 pure mating and check return -%.
- The boar index must be at least 120 on internal seamen using
- If farm using the internal boar seamen, check sperm mobility and quality by microscope.
- On the internal seamen using, should do 20 – 25 pure inseminations and check return -%.

### 4. Using the boar for mating

- You can begin to use the boar, when it is 7 – 8 months old
- The boars walking corridors can't be slippery
- You can close the sow to boar's pen only by supervision
- The sow must take out from pen immediately after mating
- The boar should jump (do mating), at least every 14 days.
- You should use actively the boar only 12 months, because of index.

### 5. Learn to the boar jump on internal seamen taking

- Bring a fantom to boar's pen, that how it feels safe
- It is very good, if just before the other boar had just jump on that fantom
- Let the boar stay couples minutes a lone with the fantom
- If the boar doesn't jump, you could go guide boar and clap to fantom
- Learn the boar only time when it is interested on
- When the boar is not anymore interested, stop immediately. Try again after couple days.

### 6. Smelling boar

- Select the cross -breed boar, it has higher sexual activity than pure breed.
- To keep the smelling boar on activity, it should also jump sometimes to sows on heat what are just going to culling.
- You can use the smelling boar so long until it is still activity.



On image series the boar does mating on boar pen

Boar age	Recommend mating / week
8-9 month	2
12 month	5
Older	6-7

### "Rule of thumb"

Every boar jump needs 100 g more feed

Every degree below 20° C needs 100 g more feed / day



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1. Do not feed the young rearing boar too strongly, it could cause weakness on bones. After sexual maturity, an amount of feed is affected how often you use the boar.

Weight, kg	Fu / day	What king of feed?
30-65	Ad lib	gilts first rearing feed
65-105	2,6 - 2,8	gilts second rearing feed
over 105	2,6 - 3,0	insemination or gestation feed
adult	depend for use (2,2 - 2,7)	insemination or gestation feed

If the boar feed has differed on energy / protein level from the recommended norm it will affected negatively to a libido.

Giving A, C, E vitamin and selenium reduces deformed sperm amount and improves their mobility. Follow the recommendation of vitamins and mineral for sow, that how also the boar needs are met.

2. An adult boar must have on a pen at least 6 m<sup>2</sup> free area. If you use boar pen also for mating, on pen must have at least 10 m<sup>2</sup> free area. A floor can't be slippery. If you use pen also for mating, it is recommended that pen form is square, that how the sow and boar has best working area.

The boar must have enough straw etc. rooting material, that how boars rooting and fiber needs will fill up.

3. Before you begin to use the new boar, check a sperm quality. Check the sperm by microscope and use sperm so that you can follow the boar results on pregnancy. The boar can accept by a following methods:
  1. Inseminate 10 weaned sows, what have not been a nursing or returning sows.
  2. If at least 7 of them come pregnant, the boar is "conditional" accept. If less than 7 come to pregnant, you can't accept the boar. That why inseminate second time 10 sows.
  3. If at least 7 of them come pregnant, the boar is "conditional" accept. If less than 7 come to pregnant, cull the boar.

Do not use a first collected seamen on internal seamen using. Use that only for checking the sperm quality. Do some doses normal way with diluent. Store doses 2 and 3 days. Heat up and check mobility again.

4. The boar is sexually mature, when it starts to jump. That age will come at the earliest on 6 – 7 month age. The boar age is main affect for sexually mature, smaller affect are size and weight. The cross - breed boar will usually come earlier than bure breed boars.

If you put the sow into boar pen, it is not good if sow start to walk around pen and boar try to jump many times.

The boar's sperm quality can have reduced for up to 8 weeks if it had fever. If you are not sure about boar fertility results, check results to using pure insemination (starting seamen, double... using same boar seamen)