



# Danish Farm Design A/S

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MANAGEMENT SUPPORTER



**PRESENTATION**



Danish Farm Design A/S • *Building the future*

# HOW TO WEAN 35 PIGS PER SOW PER YEAR

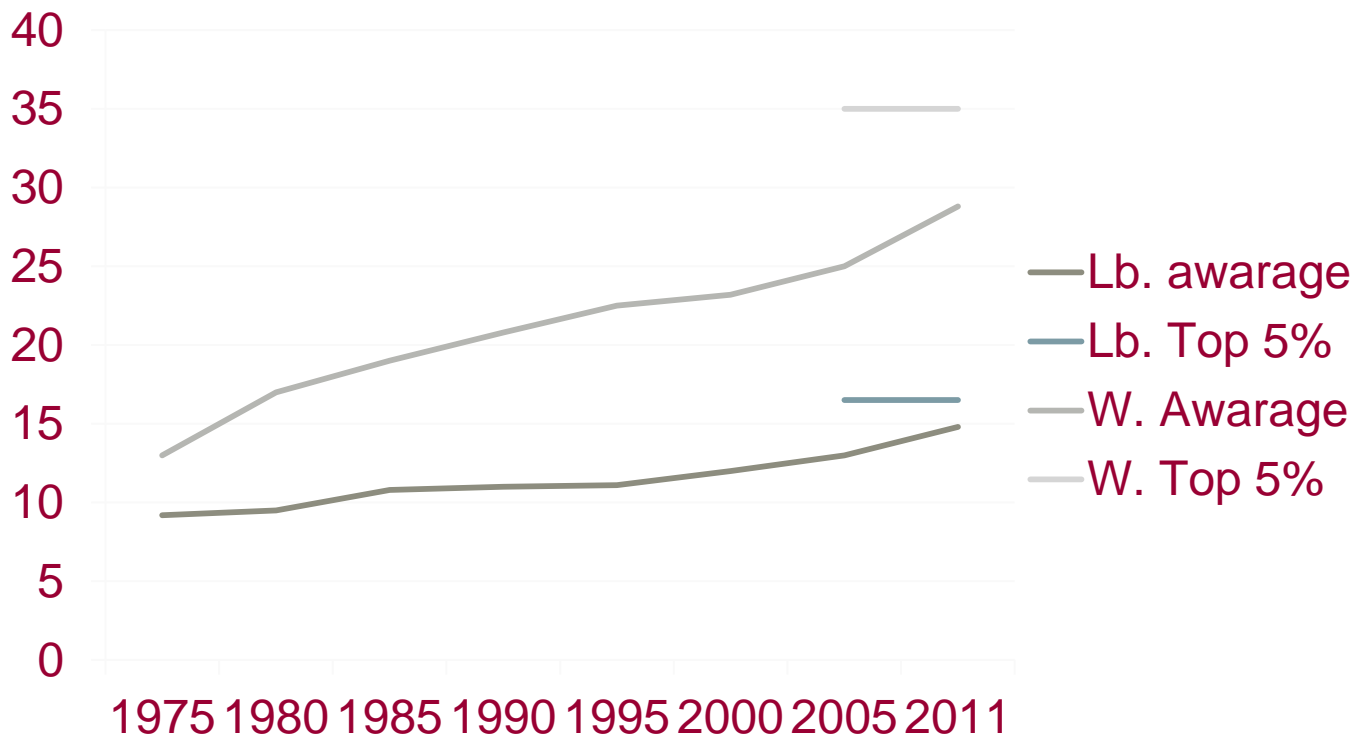


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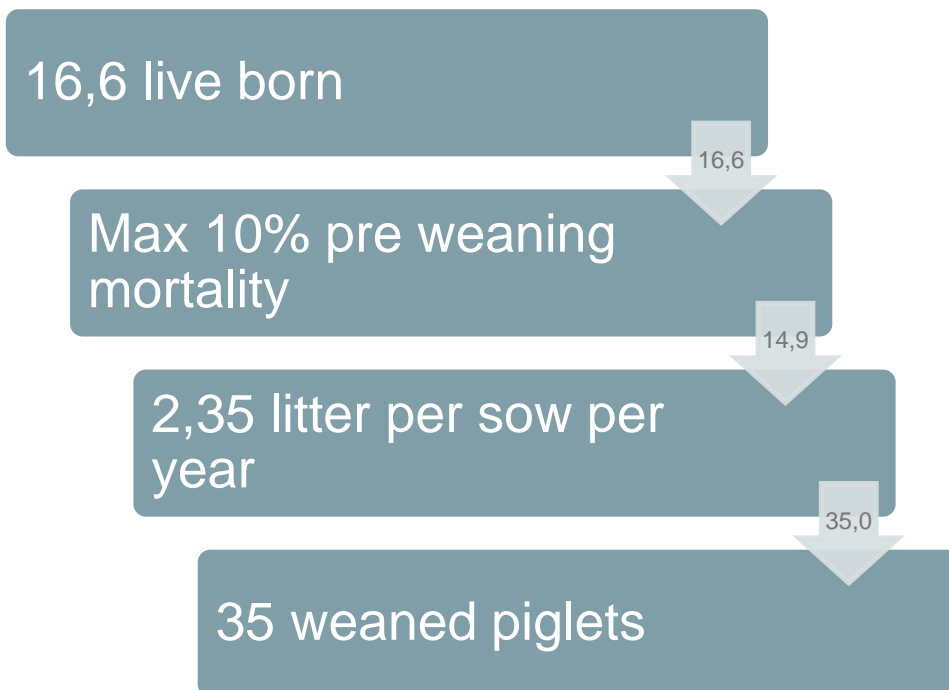


## Danish results with DanAvl



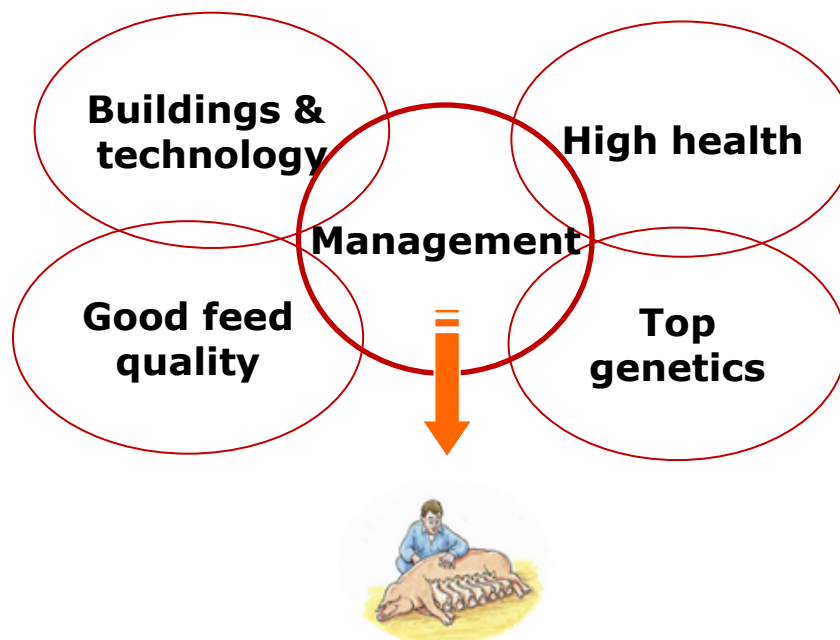


## The target is 35 weaned piglets





## Cornerstones for optimal production



**Effecincy production**



## Management

- **The key to success and means**
  - Planning
  - Organising
  - Resource cover
  - Leadership
  - Guidance
  - Control





## Management on two levels





## The best results

- **Are achieved by leaders who,**
  - know about production,
  - has visions and think forward,
  - invest in quality,
  - involves themselves in production,
  - understand to motivate the employees,
  - understand to retain employees,
  - ensures an updated organization – new know-how,
  - ensures a high level of communication.







## The team – is the key factor

- **No results without the best team!**
  - Recruitment of the "right" employees
  - Team set-up
  - Employee care – personal development
  - Retain employees

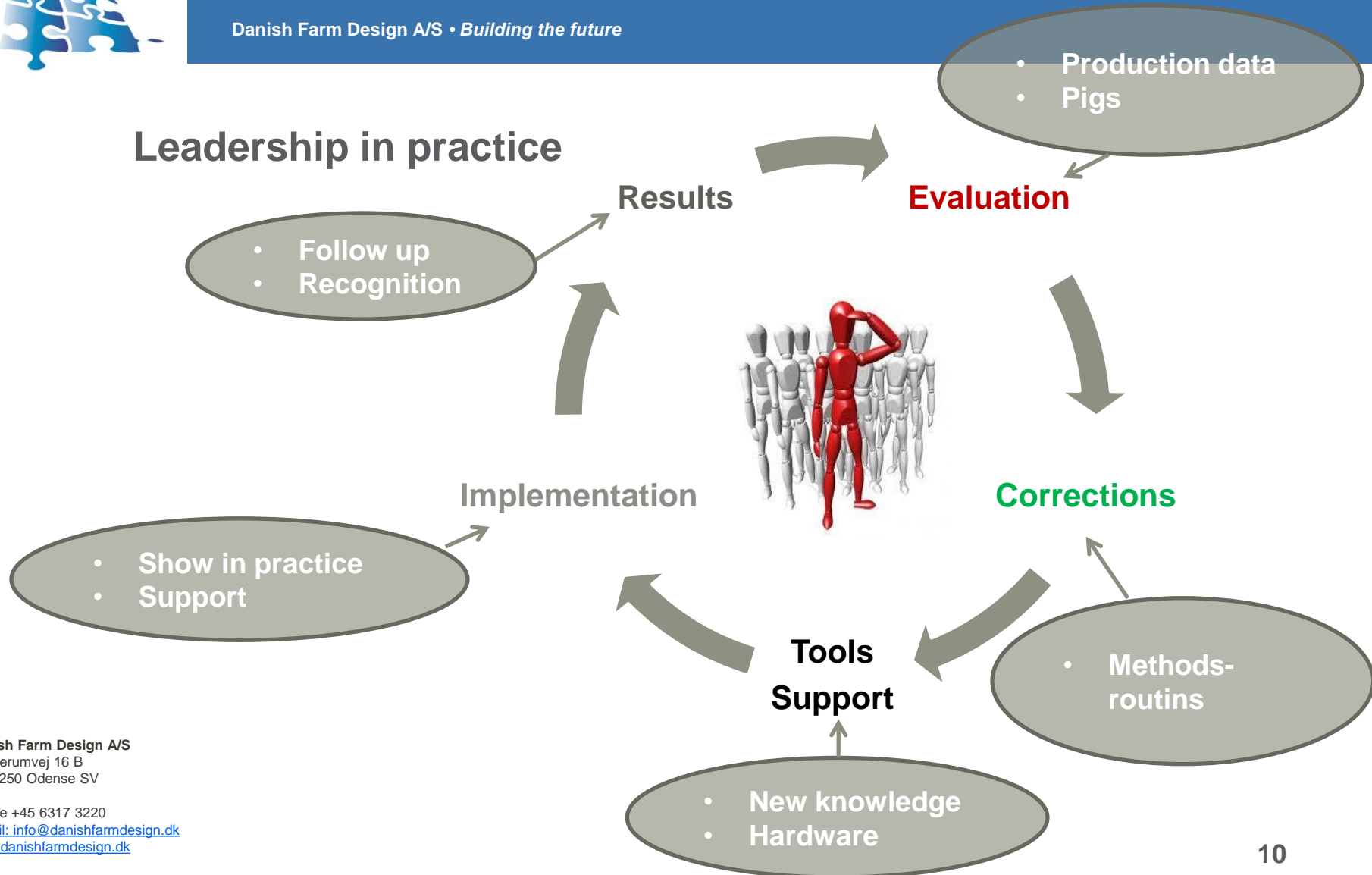


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## Leadership in practice





## Young gilts - design

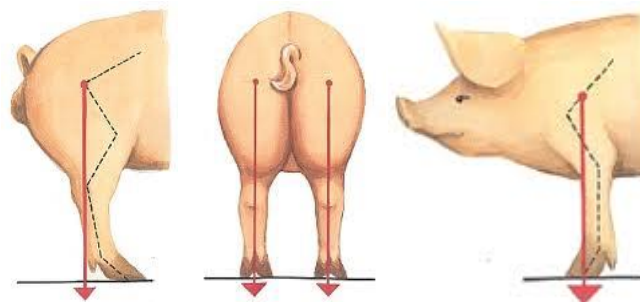
- **Safe solutions**
  - Min. 200 LUX – 16 hours per day from the age of 180 days
  - Partly solid floor and cast iron slats until 30 kg
  - Partly solid floor or full slats (concrete) > 30 kg
  - Restrictive feeding > 60 kg. max 2,8 FU.
  - Small pens, 10 – 12 Young gilts per pen.
  - Pen gates with bars – boar contact
  - Gates on corridor or boar wagon – boar contact





## Young gilts - management

- Key factors
  - Feeding
    - < 60 kg receipt for finishers – free access
    - > 60 kg receipt for young gilts/lactation – max 2,8 FU
  - Vaccination before mating
    - Parvo virus and erysipelas – 180 and 210 days
  - Critical selection – three times
    - By weaning
    - At 30 kg
    - At 60 – 80 kg





## Young gilts - management

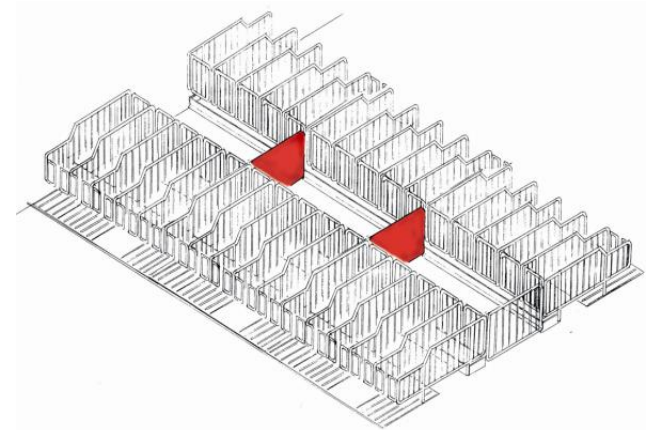
- **< 26 weeks**
  - No boar contact
  - Daily human contact
- **> 26 weeks**
  - Individual stalls
  - Daily heat control – boar contact
  - Week marking of heat
  - Insemination by min. 32 weeks (225 days)
  - Min. 130 kg





## Service unit – design

- **Safe solutions**
  - Min. 200 LUX by the sows head, 16 hours per day
  - Open stalls for insemination – no pipes on the top
  - Narrow stalls for young gilts – separate line
  - Corridor for boars in front of sows and young gilts
    - Gates for every 4 – 6 animal
    - Min. two electrical boar wagons





## Service unit – management

- **Young gilts and "problem sows"**
  - Housing in separate rows
  - Heat control 2 x daily
  - Mating 1 x daily hereafter every 18 – 24 hour
  - Deadline for remainders
  
  - Flushing young gilts prior to mating – 4-5 FU
  
  - After insemination – move the sow/gilt either:
    - Right after last insemination
    - Four weeks after insemination





## Service unit – management

- Weaned sows

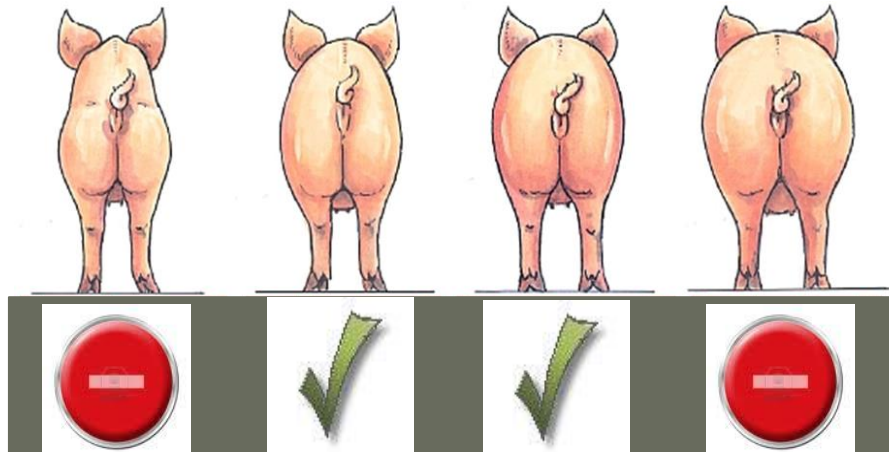
Day	Action	Feed	Boar
0	Weaning	Before transfer – unchanged Afternoon – no feed	Contact 2 – 10 timer
1		Flushing, 3,5 – 4,5 FU	Contact 2 – 10 timer
2		Flushing, 3,5 – 4,5 FU	Contact 2 – 10 timer
3		Flushing, 3,5 – 4,5 FU	Contact 2 – 10 timer
4		According to appetite	
5	Insemination	According to appetite	Contact by insemination
6	Insemination Grouping	According to appetite According body condition – feed plan	Contact by insemination
6 - 28	No transfer	According body condition – feed plan	Contact from 18 – 25 days





## Service unit – management

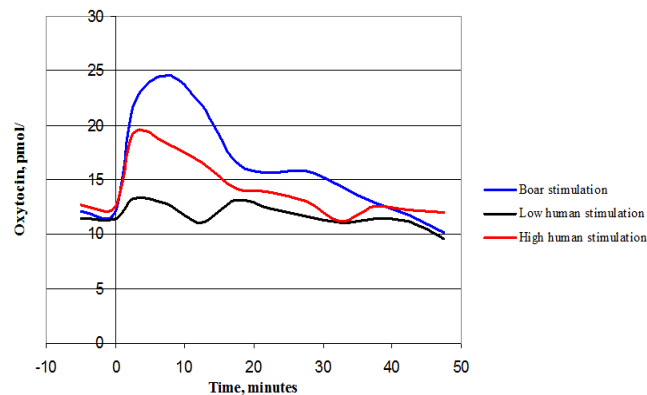
- **Body condition**
  - Evaluate and score
    - Right after insemination
    - 4 weeks after insemination
    - 8 weeks after insemination





## Service unit – management

- Insemination
  - Stimulation with boar – always in front of sows
  - Human stimulation for min. 1 minute
  - Only inseminate when clear standing reflex
  - Min. 3 – 4 persons when inseminate
  - Stimulate during insemination
  - Only use high quality semen





## Gestation – design

- **Safe solutions**
  - Free access stalls
    - L/T pens with straw
  - Transponder
    - Stable groups
    - Resting area with straw





## Gestation – management

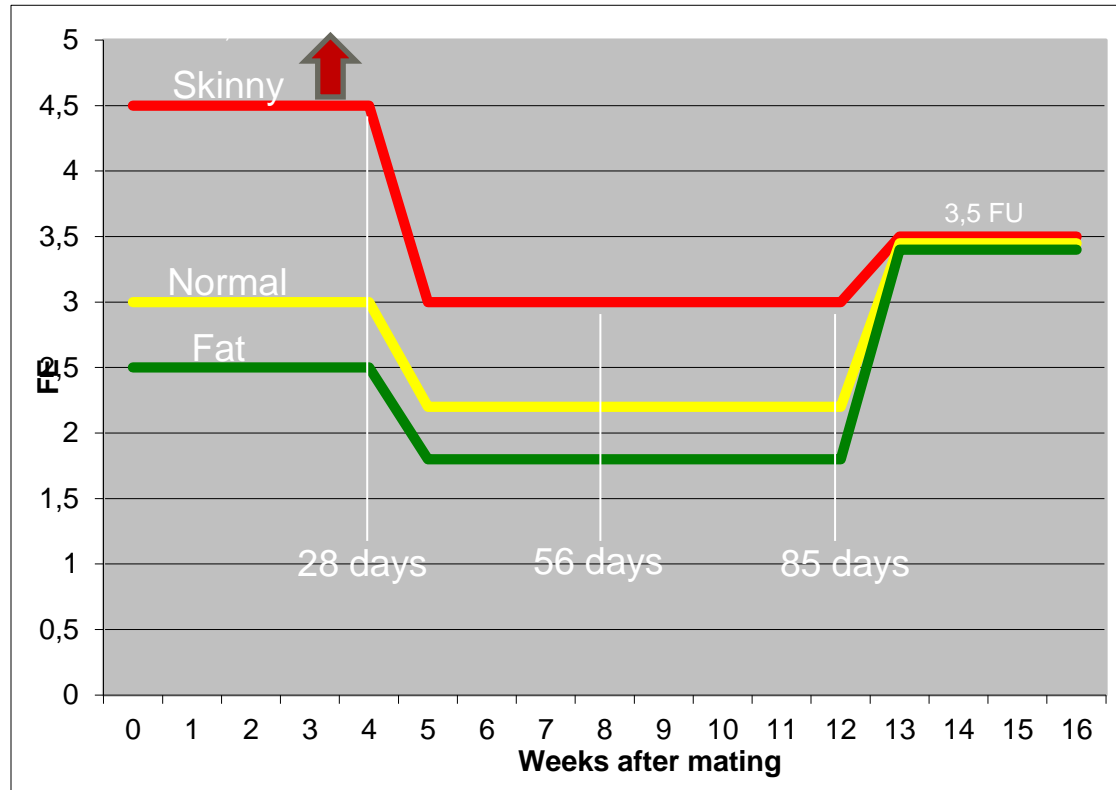
- **Key factors**
  - Equal body condition when entering
  - Handling weak sows
  - Scanning at 4 and 8 weeks
  - Increase feed ration from week 12 after insemination
  - Optimal vaccination – Parvo virus, erysipelas, clostridia perfr and E-coli
  - Visual check of pregnancy in week 12
    - Doubtfull are to be scanned





## Gestation – management

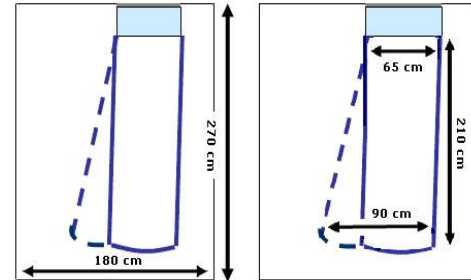
- Feeding





## Farrowing unit – design

- Safe solutions
  - Farrowing pen
    - 270 x 180 cm
    - Wings with fingers
    - Water for the sow, 4 – 5 litre/min at 2 atm.
    - Water cup for piglets
  - Creap area for piglets
    - 0,8 m<sup>2</sup>
    - Plate for closing off piglets
      1. Heat lamp and rubber mat
      2. Heat lamp and floor heating





## Farrowing unit – management

- **Before farrowing**
  - Warm and dry section before deployment
  - Sows are to be deployed 4 – 7 days before farrowing
  - Washing sows before deployment
  - Reduce feed ration from day 115 – 116 max. 2 FU
  - Adjust wings correctly



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## Farrowing unit – management

- **During farrowing**
  - Surveillance every 30 minutes
  - On time birth assistance
  - Ensure colostrum
    - Help newborn to the nipples
    - Split milking – oldest in the creep area







## Farrowing unit – management

- **Right after farrowing**
  - Treat sows which are given birth help
  - Treatment against pain for all sows
  - Is the sow healthy or not?
  - Water, water and water for the sow
  - Split milking
  - Close off piglets when feeding, 2 – 4 times
  - Litter equalisation 12 – 24 hours after birth
  - Treatment against MMA





## Farrowing unit – management

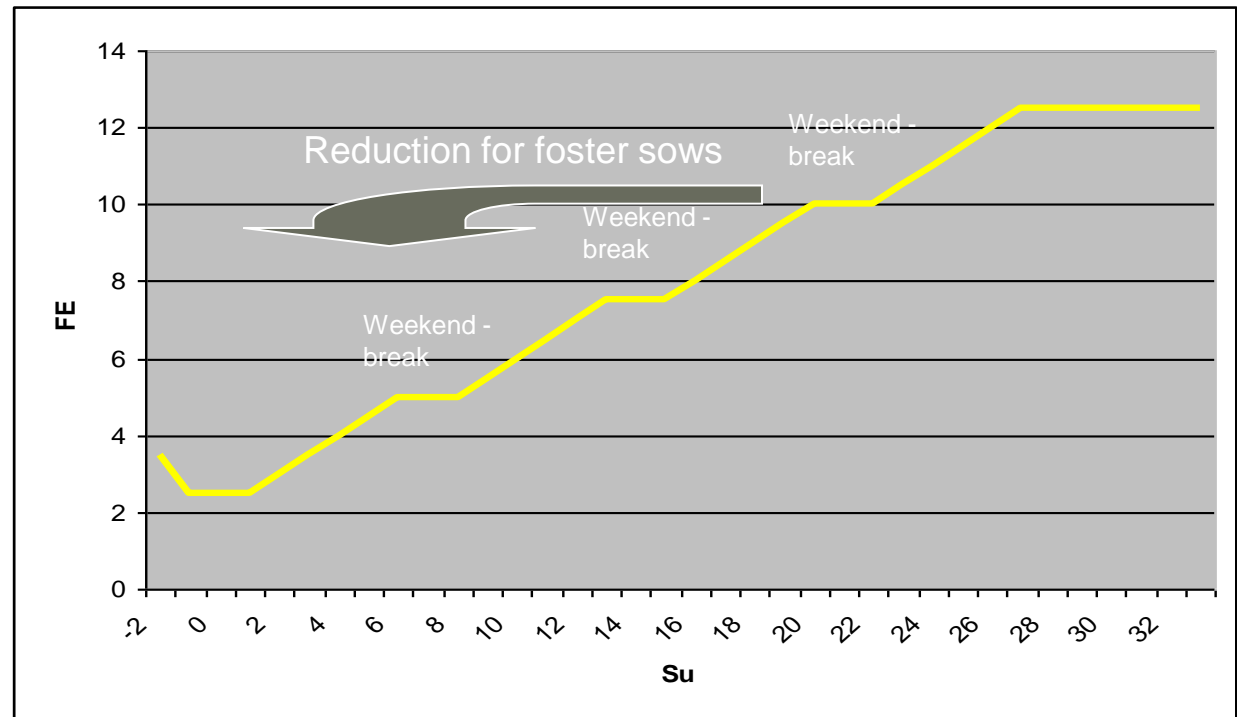
- **Lactation period**
  - Day 1. – 0,5 ml. clamoxyl
  - Day 4. – Tail docking, castration, iron and Baycox
  - Daily feed adjustments for sows
  - Daily check of litters - treatments
  - Foster sows for new born, 12 – 24 hours old
  - Foster sows for runts





## Farrowing unit – management

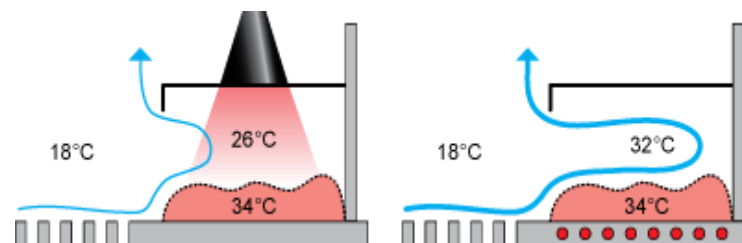
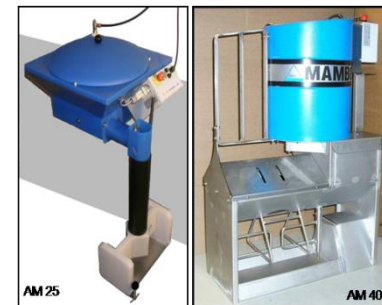
- Feeding





## Baby weaning – design

- Safe solutions
  - 3 - 4 sections – each section to house 30% of the week batch
    - Small group size - two litters
    - 0,2 – 0.25 m<sup>2</sup> per piglet - farrowing pen size
    - Full slats
    - Rubber mat - 30% of pen
    - Two climate – cover plate
    - Intelligent heating lamps
    - Baby feeders





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# THANK YOU FOR LISTENING



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