Feed standards must be followed to achieve big piglets at birth – data collection from practice

DVM Michael Agerley, Porcus



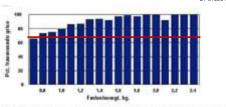
1

Weight at birth

High weight at birth produces low mortality in the farrowing stable

SEGES Medd ~15% weighs less than 1 kg

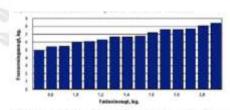
Of these app. 50% die



2

Weight at birth

High weight at birth produces higher weight at weaning



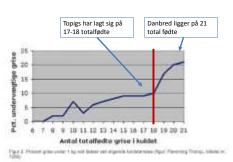
Figur II. Familiato-legistra betydniny for traverningovergine [1] (Ryun Flemming Though british in 1200

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Weight at birth

10 % more total born --> 200% more weak born piglets



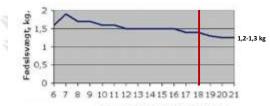
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Weight at birth

The piglets must weigh at least 1,2-1,3 kg at birth with the litter sizes we have at the moment.

Pig from a gilt's litter typically weigh 150-200 grams less

Pig from a gilt's litter typically weigh 150-200 grams less per pig $\,$



Antal totalfødte grise i kuldet

Figur 3: Federatoring) well aligneds kulticarreley (figur: Plemming Thoma: foliate nr. 7257)

Standards for nutrients

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Leurin	8.3	8.6	10	4.6	-61	36	156 181	
PRADATE	2.8	4.4	1.6	1.4	1.4	3.2	26 34	
Aerobiomire	A.8.	- 18.00	2.9	9.6	2.7	2.0	65 . 58	
Pergenner - System	53	8.6	10	1.3	-A.T	3.4	118 708	
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Fontepage towar	9.0	- 65	10	8.4	2.6	2.6		
Caroura, user frame	80.00			1.0	- 23			
Caboura, 60-100 % Pylese.	- 58	4.9	4.0	0.8	4.8	4.0		
Catalone, 180-350 % Ayeasa		- 6.6	5.2	8.4	6.2	1.2		
Substant, 300-400 % System	7.0	- 8.4.	8.0	0.0	1.0	4.0		
Redrigers	13	536	138	3.0	1.6	1.6		
Norti	2.6	3.6	2.6	2.5	10	86		
Kellen	2.6	2.6	2.6	2.8	2,6	26		
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Feeding curve for pregnant sows **SFGFS**

Drægtighededeg	Fode	Middel	Maper	Gyfte			
	1	I goldperioden fodres alle med 4,5 FE.					
Rygspæktykkelse ved fraværining	× 16 mm	13-16 mm	+13 mm				
0	2,5	3.0	4.5	2,2-2,4"			
26	2,5	3,0	4.5	2,2-2,4"			
31	++12.3	***23	3.5	2.5-2.7"			
77	1412,3	***2,3	3.9	2.5-2,7**			
04	3,5	3,5	3.5	3,3			
112	3,5	3.5	3.5	3.3			
114	3,5	3.5	3.5	3,3			
115	3,5	3,5	3.5	3,0 - 3,5			
Faring	3.5	3,5	3.5	3,0 - 3,5			

" Focking after hold for at oped dan prekada wegt af gyllen ved faring

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- No effect in litter weight >3,5 Fe/day the last 3-4 weeks before farrowing!! If there are no faults.
- Gilts cannot be fed too hard 4 weeks insemination -> loss of foetuses

Remember to increase feed strenght if it's cold in the gestation section

Room temperature has a high impact on the sow's need for feed. Also, skinny sows have less backfat and therefore a higher need for food for keeping warm

Extra feed at lower temperature. Feed unit pr sow/day:

Temperaturen har stor indflydelse på søernes foderbehov. Desuden har rasgre søer et mindre fedling og derfor et storre behov for foder til varmepreduktion. Eksira foder ved foldende temperatur l'Escidag: Magra seer, If Eav



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Everybody has an opinion on sow feeding and nutrients in the feed

- · If it goes well for the neighbour are his feedings automatically better?
- Things are always working for the neighbour ;-)
- If you have a feeling that the weight at birth is increased by using gestation feed with more protein, does this mean that SEGES's standards are wrong?



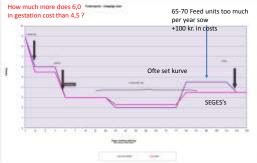
Gestation feed with 6.0 in lysin and 100 g. digestable raw protein?

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Very high level of protein and very high

feed strength at the end of gestation How much more does 6.0 65-70 Feed units too much in gestation cost than 4,5 ? per year sow +100 kr. in costs



High level of protein and low feed strength during maintenance strengthens weight loss!!

Guide til fase 1 i Dukan kuren (minus 3 kilo på 5 dage)



Guide to phase 1 in the Dukan diet minus 3 kilos in 5 days)

Alt head du behover at vide om lane 1 (angrebalasen) i Dukan

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What can go wrong in the stable?

- · Defects in the grinding/mixing system
- Fermentation in wet feed pipes (if not enough raw protein)
- Poor allocation of feed in gestation section.
 Floor feeding
- Wrong setting of feed dispensers / Transponders / weighing of density
- Lame sows typically don't digest enough feed

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Why not invest time in weighing some litters at birth? Whole litters were weighed in a herd, who complained about weak born

Whole litters were weighed in a herd, who complained about weak born piglets/litters.

No doubt that the feeding in this herd must be looked at!





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Defects in grinding/mixing systems. Not enough minerals were added to the feed

- Many litters with an average weight less than 1 kilo
- Mortality increased to almost 20%
- Piglet diarrhoea in many litters





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6.0 digestable lysin and 100 g. digestable raw protein -> 5.0 digestable lysin and 95 g. digestable raw protein. Maintenance increased from 1,8-2,0 -> 2,3FE

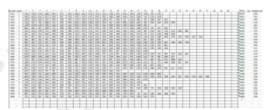


In 26% of the litters the average weight was less than 1 kg.

PORCUS

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3 months after the changes we found no litters with less than 1 kilo in average



0% of the litters had an average weight less than 1 kg.

Mortality decreased from 16,9% to 11,8 %



Recap

- If Sege's standards and feeding curves are followed the birth weight is at the expected 1,2-1,3 kg
 - As long as there's no mistake in the mixing of feed
 - As long as there's no mistake in the amounts, which are being fed
 - 20% of the piglets less thatn 1 kg -> 10% dead
- It can make sense to increase level of digestable protein and Lysin in home-mixed feed to prevent variation in the feed.
- To weigh the pigs at birth is an easy way to control if feeding and housing is correct.

PWRCUS

Never give up!!!!

