

#### AGENDA

- From mortality to survival 2015-2016 (PattegriseLIV)
   Causes of death
- Results
- Milking systems
- Farrowing crates



							FET FORUS
Fravænnede grise pr. årsso, stk.	33,0	33,2	37.7	36,0	33,7	32,5	
Fravænnede grise pr. kuld	14,4	14,5	16,5	15,3	14,5	14,4	
Kuld prärsso incl. gylte, stk	2,29	2,28	2,28	2,35	2,32	2,25	
Diegivningstid, dage	31	32	32	32	30	27	
Total fødte pr. kuld, stk.	18,3	17,4	19,8	18,7	17,9	17,8	
Levendefødte pr. kuld, stk	16,7	16,2	18,3	17,3	16,5	16,6	
Dødfødte pr. kuld, stk	1,6	1,2	1,5	1,4	1,4	1,2	
Døde indtil fravænning, pct.	13,9	10,5	10,3	11,4	12,1	13,2	
Total born per litter =	Live bo	orn/litte	er + Still	born/	litter	18.3+1.5 = 19	.8
Dead per litter = Tota	al born p	oer litte	er - wea	ned p	er litter	19.8-16.5 = 3.3	









































Treatment	Time	Growth, g/piglet
Sugarbeet + Sunflower meal + Soy hulls (23% fibre)	106 – farrowing	76
Standard feed (13% fibre)	106 - farrowing	85
	Standard feed	High fibre
Colostrum-intake (piglets < 900 g	): 137 g	216 g
Theil, 2015		













#### PATTEGR WEAK BORN - THE BASAL 200 HEAT A NECESSITY FEED INTAKE AND WATER SUPPLY Temperature is critical in the first day of life Bad idea with many days of low 39.00 feed intake • 3.5 FEso/day against farrowing 38.50 38.00 Rectal temperature (°C) • 2.8-3.0 FEso 1-2 days before 37.50 farrowing 37.00 Remember to adjust the length of gestation in the control system 36.50 36.00 Clean water - easily accessible 35.50 Dying • Empty the mangers 35.00 24 1 2 3 Time after birth (h) Baxter 2008 CO SEGES



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#### BLOOD POISONING – TAIL DOCKING Unhealed wound Crooked cut Poor hygiene Too cold "cutter"



## HOW MUCH INFECTIVE MATTER DO YOU NEED ?

Oral	100,000
Snout	10,000
Wound	10
	Jeff Zimmermann
	CO SEG



















· Neteral Street	< Tidgere		Nasta 3	
<ul> <li>Lesson 1. Preparing the tarrowing per</li> </ul>	Farrowing			
- Lesson 2: Farrowing	FARROWING			
Farming	1007			
Farming preparations Farming	having a quiet time in the pest piglets	calculation area terming approaches, here go to also per to performing the intersocial lask of farmers	g and maring a large lifter of	
Munitering formwing	Delaro the actual farments be	gins. The score will start meeting and acting rectilencity. It	Ether harrs Laimer and Res down	
Problem spec	un its side. During famowing it	the sow acts personnely with reduced ability to move. Th	he farmwing section should	
Observe and	therefore be a catri, quet plut	e while farmwing to in process.		
<ul> <li>Lesson 2: The first critical hours.</li> </ul>	Farmeng oten takes place in varies greatly. When the first p again. Pigers are born one at	the evenings and right. The time it takes from farmer right is horr, the size will often rise to inspect the pigli a time, the unition pigliets are retained in the words of	ing starts and until it is complete in, but will quickly calm down here they have been during	
Lesson & Piglet relocation     strategies	gestation. They are thereby an Projects presented but lest are t	sured of a sufficient supply of oxygen unit they are to born more storely than pights presented head first - p	one entages due to leve stimulation of	
- Lesson 5 Health	the Settli Landi. There is norma an entre litter.	illy a gap of 16 minutes between the birth of two pigle	ts which amounts to 3-4 hours for	
- Lesson II: Faed matrices	Scret do not minate the next lowerth the utility	ors piglets from within their placenta and umbilical co	rd nur do bay shut them	
<ul> <li>Lesson 7: Faulting in the tartoxing house</li> </ul>				
		C Tuffgere Naste >		SEGES















2. kv 2516         Sector         So         7         8           Branking version         13         3         23         10         22         10         6           Technis regime         13         3         23         10         22         10         6         4           Technis regime         10         3         23         10         12         10         6         4           Access regime, dit         446         121         101         444         110         2.01         6         121         101											
Parametry         Dia         1         2         3         4         9         6         7         6           Deschargenzermen         13         3         2         10         22         10         5         1         1         1         1         1         10         10         1         <	CS FOKU										2. kv + 3. kv 2016
Bandharguerren         Vi         J <thj< th="">         J         J</thj<>			7		5	4	3	2	1	Gina	Placering
Tencha regular         F         F         F         F         F           Toward Lip, M. 1.         1.01		-4		10.	22	10	28	3	15		Besattingssermer
Answer or (ph. d).         4441         (11)         (12)         441         (12)         200         (11)         (12)		12						•	T		Tekniske negletal
Tournerson grang at ansis, db, 18,0         10,2		665	1.237	678	2,503	1.190	424	610	1.213	1.046	Aruseer and gytte, alk
Tunnerskop map tuni         H.4         H.5         H.5         H.5         H.4         H.5         H.5         H.5         H.2		32.7	11.0	34.4	32,5	33,7	36.0	17,7	33,2	33,0	Freivencesde grow pr. Arson, slk.
Starp Structure (Jah. 40         4.28         2.28         2.28         2.28         2.27         2.20         2.27         2.20         2.27         2.20         2.27         2.20         2.27         2.20         2.21 <th2< th="">         2.21&lt;</th2<>		3.3.8	13.9	15.8	14.4	14,5	15,8	16.5	14.5	14,4	Proviminhodo pros pr. kuid
Support         Bit         XI         <		2,37	2.38	2,30	2,25	2,32	2,35	2.28	2,28	2,25	Kuld pr droso web go/le, sile
Open cell baseling         All         All         2.2         A.4         4.2         7.2         7.3         7.3         7.4         4.7           Wangewood         48         48         68         0.9		28	28	38	27	30	32	32	32	31	Degrunngslid, dage
Partycecout         BI		0.7	\$,4	7.5	7,3	7,9	8,0	5,4	7,0	6,8	Vangt vod travanening, kg
Date (bit) of frame         R5         11.1         5.5         4.1         6.2         12.6         6.1         B.7         7.6           Contriputed         10.3         0.7         mm         dial         17.7         mm         dial         dial <thdial< th=""></thdial<>		90	0.2	90	85	95	92	38	86	85	Faringsprocent
Contrigue         NA3         U.2         NA3         NA7         U.2         NA3         NA7         NA7         NA3         NA7         NA7         NA3         NA7         NA7         NA3         NA7         N		7,6	10,7	1,1	12,8	0,2	4,1	3,5	11,1	9,5	Pst. diede af årsiner
Data Using yout, do         Hu3         U.a         10.4         U.7         U.7 <thu3< th=""> <thu3< th=""> <thu3< th=""></thu3<></thu3<></thu3<>											Dodelighed
Januarity Inst. 00         14.7         13.2         17.3         15.5         16.4         17.4         13.9         13.2           Optimizer Value         5.4         12.4         15.5         16.4         12.4         15.9         16.2           Stationard's root of the second s		17.1	17.2	19.3	17.6	17.9	18.7	19.0	17.4	18.3	Total facte pr kold, stk
Definition product on         1.64         1.2         1.5         1.4         1.4         1.2         1.9         0.9           Start And Thysenesseng, pri         1.59         11.5         11.4         1.21         1.12         1.04         1.21         1.51         1.51           That redestingwest         21.21         [15.7]         1.70         11.01         11.41         1.21         11.51         11.51		16.7	15,9	17,4	10.6	16.5	17,3	11.1	10.2	16,7	Levendehodie pr. kuist, 10k
Spells with thousenerg, prt.         13,9         10,5         20.3         11,4         12,1         13,2         10,4         32,0         15,1           ringt stoelingweit         21,2         13,4         12,1         13,0         10,4         12,0         15,1		0.9	1.3	1,9	1,2	1,4	1,4	1.5	1,2	1,6	Dodfedte pr. kuid, utk
Total doskighent 21,2 (6.7 17 10.0 19.0 19.1 19.2 29.5 19.6		15,1	12.0	10.4	11.2	12,1	11,4	20.3	10.5	11,9	Dode actil bayeening, pet.
Total todelighest 21,2 16,7 17,1 18,0 19,0 19,1 19,2 28,5 19,6			1.00	1997				-	-		
		19.6	28.5	19.2	19,3	19,0	18,9	17.1	36.7	21,2	Total dadelighed
Patherene 22,8 20,5 21,3 19,1 20,9 21,5 21,1 18,3 27,9		27.9	14,3	23,1	21,9	20.9	19,1	31,3	20.5	22,0	Reference
Endoing siden start 4.8 -3.8 -4.2 -1.0 -1.9 -2.8 -3.9 1.2 -4.4		-8.4	3.2	- 3,9	-2,8	1,9	0,81	-4.2	3,8	-0,8	Ending sides stat



RESULIS -	ELLES FOR			
	PigletLIFE 2014	PigletLIFE 2. half 2016	Difference	<u>+Breeeding (1.5 years):</u> +0.8 weaned piglets per
Lifeborn per litter	15,9	16,8	+0,9	3011
Stillborn per litter	1,70	1,60	-0,1	+ management:
Weaned per litter	13,7	14,4	+0,7	+1.2 weaned piglets per
Litter per sow	2,27	2,29	+0,02	sow
Weaned piglet per sow	31,0	33,0	+2,0	
Totalmortality, %	22,0	20,9	-1,1	





















#### FINANCES

A milk cup feeding system costs DKK 12.50 per weaned pig. > 80-90 per cent of this cost goes to milk powder.













#### RESULTS

• The group of 20 pigs in the combi pens was closed after 10 batches due to high mortality.



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# THE SMALL PIGS 4 small pigs at a nursing sow with and without milk replacement **Structure Without With With**



### HOW TO INCREASE THE LITTER SIZE

Increase carefully! – with one pig at a time Register the following:

- Proportion of dead pigs
- Number of collecting sows
- The amount of consumed milk powder (Weaning weight)



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#### WEIGHT GAIN DEPENDING OF THE USE OF CUP AND +/- MILK REPLACEMENT

Aarhus University examines the pigs' use of cup by 14 and 17 pigs in the litter and +/- milk replacement

SEGES examines the weight gain the first week in the piglets pen depending of

- +/- milk replacement
- · Low/high user of cup within the litter





#### FALSE OR ....

□ Milk cup pigs get only milk and not an enzyme trained intestine (compared to mini wet feed plant)

NO

· There is plenty of wheat starch and even soy protein in the milk powder - especially for the oldest pigs

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#### FALSE OR....

NURSING

Five phases:

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Gathering

Premassage

Slow suckling Rapid suckling,10-15 s

Postmassage

Piglets must stimulate udder

- An expensive and fancy plant is not necessarily equal to higher production or lower operating costs
- · Example of heating plants that can only use one brand of milk powder.
- We do not know if the pig benefits from phase feeding and wet feed already in the farrowing pen. A cheap milk powder can be the best throughout the period.

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Considerations regarding the choice of systems and milk powder





































