

DIETARY FIBER INCLUSION IN TRANSITION DIET MODULATES SOWS' BODY CONDITION AT FARROWING AND WEANING

BBD Muro^{1*}, RF Carnevale¹, MS Monteiro², DF Leal¹, FA Pereira¹, CAP Garbosa¹

¹University of São Paulo, São Paulo, Brazil

²Nerthus Pesquisa e Desenvolvimento, São Carlos, Brazil

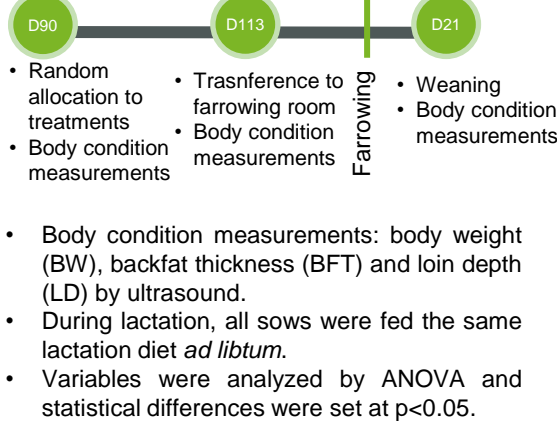
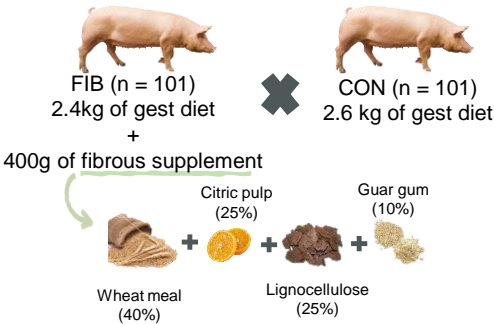
³Poulpharm, Izegem, Belgium

*adicionar email

Background and Objectives

- Improper maternal body condition is amidst the main causes of poor reproductive health, decreased longevity, and increased perinatal mortality.
- The aim of this study was to evaluate the effects of including a fibrous supplement in the transition diet on sows' corporal composition until weaning.

Material and Methods



Item	CON	FIB
ME, kcal	3.210	2.963
Crude fibre, g	22.5	60
NDF, g	10.1	14.8

Results

- At day 90 of gestation, the BW, BFT and LD were similar between groups.
- At pre-farrowing, the BW and LD were greater in sows from CON, whilst the BFT was similar between groups.
- At weaning, LD was greater in sows from FIB, whilst the BFT and BW were similar between groups.

Body condition results of experimental groups

	Treatments		SEM	P-value
	FIB	CON		
Pre-farrowing				
BW	271	277	1.8	0.006
BFT	16.8	17.2	0.4	0.485
LD	58.9	61.1	0.7	0.026
Weaning				
BW	237	239	2.1	0.536
BFT	14.2	14.3	0.6	0.870
LD	53	51.4	0.6	0.028

Discussion and Conclusion

Feeding sows with transition diet rich in fiber may modulate sows' metabolism even with similar energy intake. These effects in metabolism led to changes in body composition at farrowing and weaning