



56 kg

28 kg

Nutritional Requirements and Body Condition Dynamics

40 kg Piglets/ year (12,5 x 2,5 x 1,25) 36,6 %
62,5 kg Weight conceptus (24 x 2,5) Body mass/ year

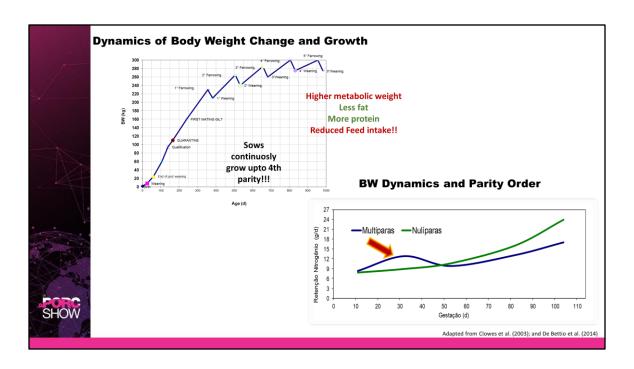
560 L Milk production (24 x 9,7 x 2,5) 200 %
Body mass/

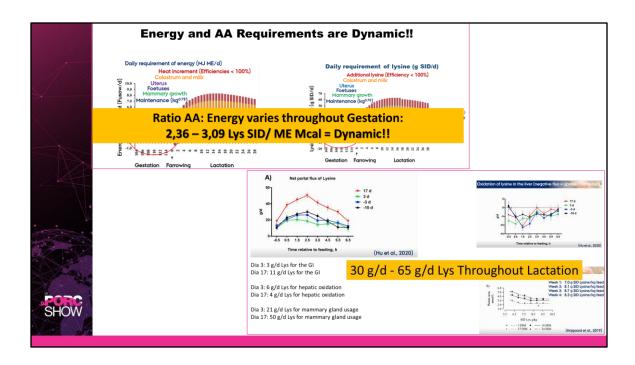
Fat excreted

Lactose excreted

Body mass/ year

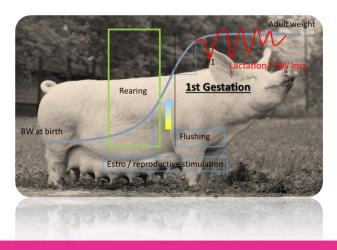
Adapted from Lebreton P. (2019/ Even Nubiote)



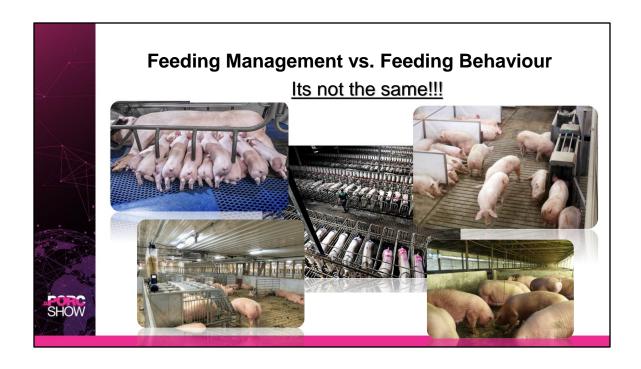




How to feed sows properly to meet its nutritional needs?







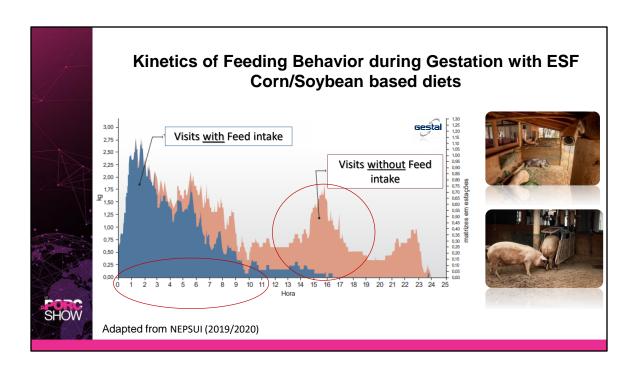


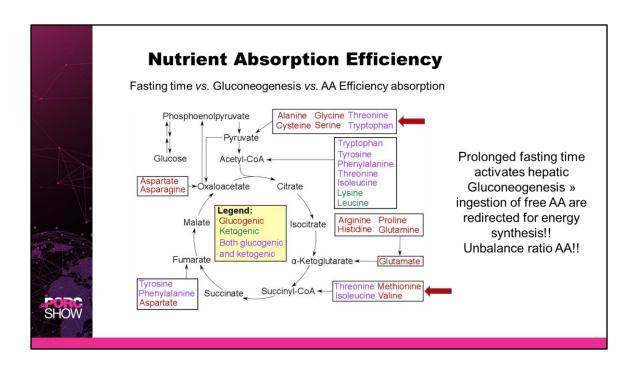
Feeding Behaviour during Gestation and Lactation...

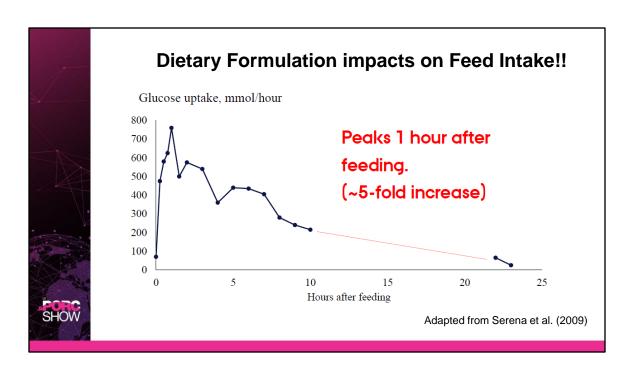


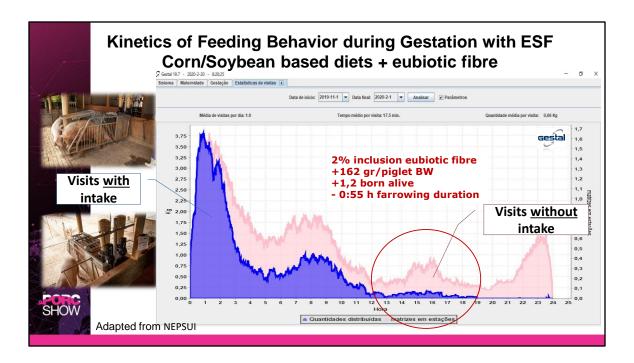
- Does the number of meals make a difference?
- Stress x Intake: cortisol ??
- Formulation x Absorption Efficiency

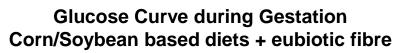
Bahnsen et al. (2021) - Saliva cortisol levels increased during gestation (p < 0.01), and lower concentrations were observed in sows belonging to free access stations (4.80 nmol / L), compared to hand fed (7.03 nmol / L).

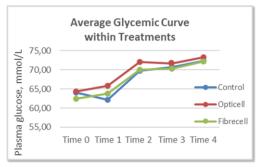


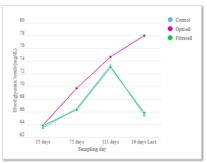




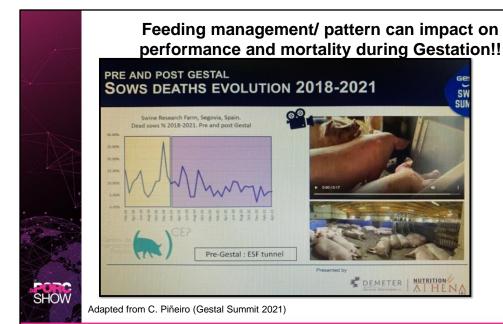




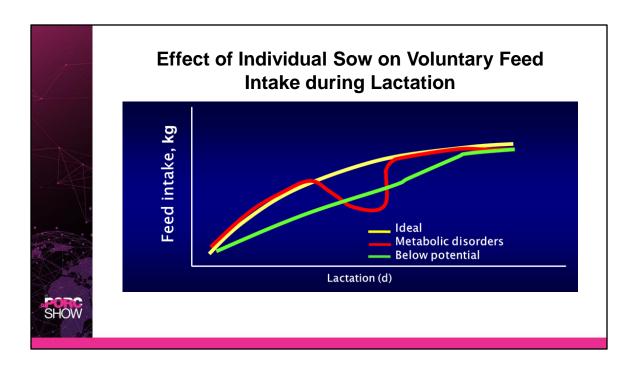


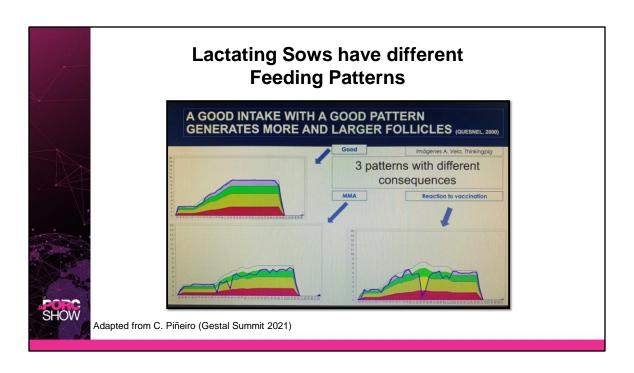


Adapted from M.G.B. Filho (non-published)



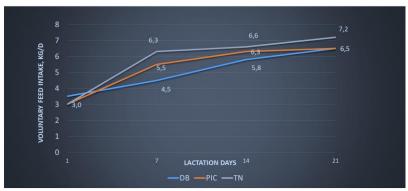






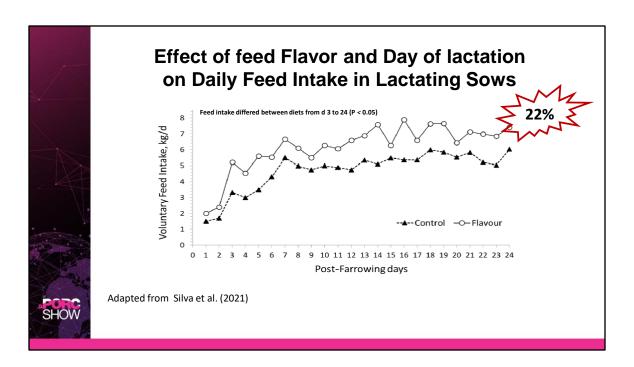
SHOW

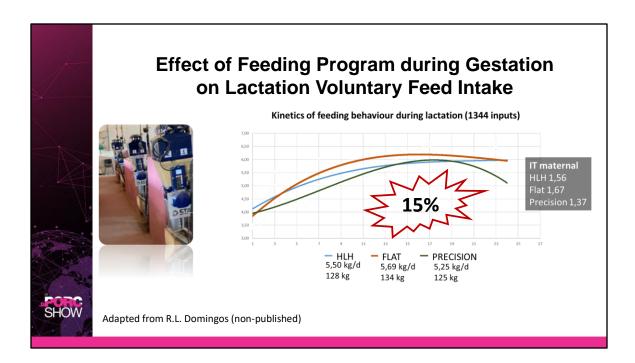
Effect of Genotype on Voluntary Feed Intake

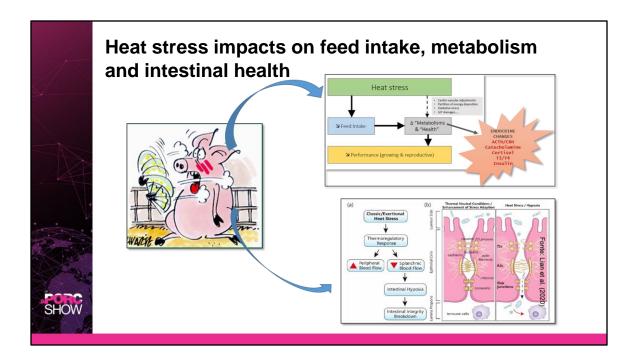


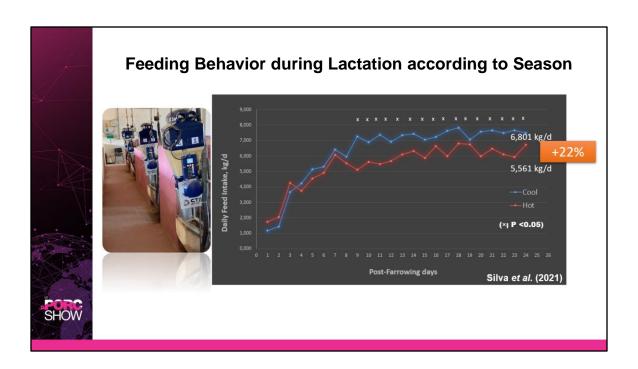
Total 700 sows

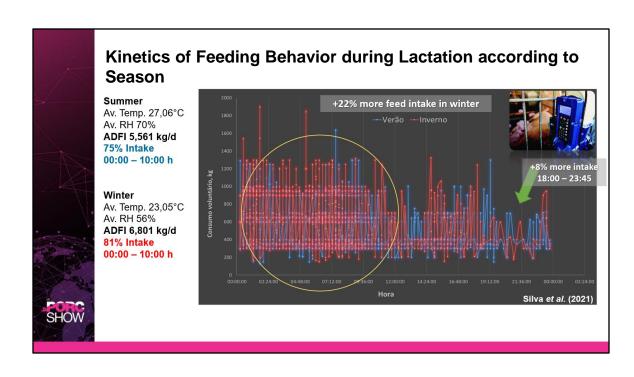
Adapted from Tolentino et al (2015); Taveira et al. (2016) and Silva et al. (2017) – UFMG/ICA









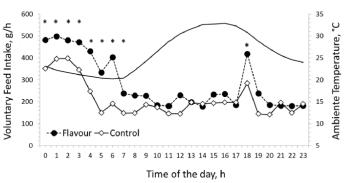


Kinetics of Feeding Behavior during Lactation with Flavour during Summer (7132 inputs) Temp. Max. 35,16°C Temp. Min. 19,05°C RU Max. 94% RU Min. 35%

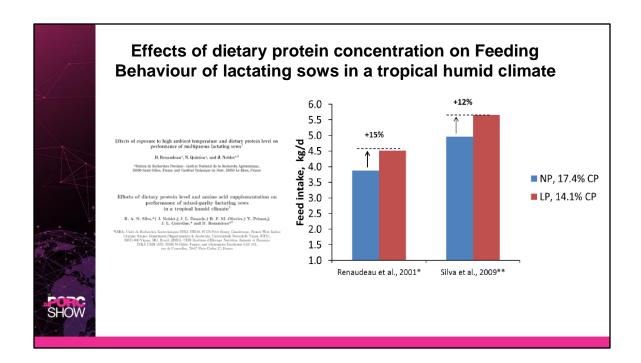
Control AVFI 4,78 kg/d 76% Intake

00:00 – 10:00 h

Flavour AVFI 5,91 kg/d 87% Intake 00:00 – 10:00 h



Adapted from Silva et al. (2021)







Concluding Remarks

- ✓ Sows have "changed" production and body.
- ✓ Feeding Behavior vs. Feeding Management.
- ✓ Sows are "hungry" during gestation impact on behavior.
- ✓ Feeding behavior is more nocturnal indepent of season during lactation.
- ✓ Feed additives and feed formulation have an important impact on voluntary feed intake.

UF<u>m</u>G

