

True Appetizer™ Feed Increased Sow Feed Intake in a Field Study Located in Ohio (July/August/September, 2008)*

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Low sow feed intake has a negative influence on reproduction, which is particularly evident during hot weather. LongView Swine Research data (from five controlled trials) indicate that True Appetizer™ feed (a unique combination of nutrition technologies) significantly increases feed intake & litter weight gain, and reduces pre-wean mortality during warm environmental conditions (~80°F). Therefore, a study was conducted in Ohio from July to September 08' to determine the effects of True Appetizer™ feed supplementation to sows during lactation under warm environmental conditions (temp range 72-75°F) on sow feed consumption and productivity in a commercial facility.

The study used a total of 96 sows for the experiment over a period of 7 weeks. Sows were fed common diets during gestation and then randomly assigned to one of two dietary treatments: 1) current lactation diet (Control) or 2) current lactation diet with True Appetizer™ feed (50 lb per ton replacing corn) upon entering the farrowing room. Sows were evenly allotted to dietary treatment based on parity and genetics. Daily feed intake and performance criteria were collected. Data were analyzed as a completely randomized design with sow as the experimental unit for all measurements. Analysis of variance was performed using the GLM procedures of SAS.

Results and Conclusion

Sows fed True Appetizer™ feed during lactation (d 1-20) **ate 1.01 lb per day more** (P = 0.03) when compared to control sows (Table 1). This **7.4% improvement in feed intake** when sows consumed True Appetizer™ feed during lactation resulted in **3.4% heavier litter weights at weaning** and **3.6% greater litter weight gain** from 24 hours after farrowing till weaning. However, sows fed True Appetizer™ feed during lactation tended to have a greater (P = 0.08) percent pig mortality which may be due to *Clostridia* exposure in the room where sows were fed True Appetizer™ feed (each room represented each dietary treatment [one feed bin per room]).

Table 1. Sow and litter performance of sows fed a diet supplemented with or without True Appetizer™ feed throughout lactation.

Treatment	Control	True Appetizer	SE	P-Value
Number Litters	44	42		-
Parity	3.75	3.63	0.31	-
Pigs/Litter:				
# Born Total	11.66	11.45	0.51	-
# Born Live	10.93	10.80	0.49	-
# After Transfers	10.36	10.53	0.21	-
# Wean	9.48	9.23	0.19	-
Pig Deaths/Litter	0.89	1.30	0.19	0.13
% Mortality	7.82	11.89	1.61	0.08
Litter Wt (lb):				
Birth	39.2	40.2	1.46	-
Wean	145	150	4.10	-
Gain	106.1	109.9	4.30	-
Lactation Length (days)	19.8	20.4	0.32	0.19
Avg. Daily Feed Intake (lb)	13.63 ^a	14.64 ^b	0.33	0.03

^{ab}Means in the same row not followed by a common letter differ (P<0.05) using LSD procedure.

*Acknowledgement to Cy Prettyman for conducting the study

For further information on True Appetizer™ Feed, please see your local feed sales representative at a Land O'Lakes Feed Co-op or Purina Mills Dealer. Visit us on-line at www.LOLFeed.com, www.PurinaMills.com.

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