



CitriStim® Enhances Sow Reproductive Performance

Previous field observations demonstrated positive reproductive advantages when CitriStim was top dressed during the gestation period. A study on the effects of CitriStim on sow reproductive performance and their offspring was conducted at the University of Arkansas. Sows and gilts were fed a control diet or control diet supplemented with either 0.1% or 0.2% CitriStim for the entire gestation and lactation periods.

The inclusion of CitriStim in the diets of sows increased number born alive ($P \leq 0.01$, Figure 1), reduced percentage of piglets weighing less than 2.0 lb at birth ($P \leq 0.01$, Figure 2) and increased number weaned per litter ($P \leq 0.01$, Figure 3). There were no differences in gestation body weight gain, farrowing or lactation body weight loss, individual birth and weaning weight, or number of mummies or stillborns ($P > 0.05$).

Implications

Based on the data from this study along with an average sow feed intake of 800 lb per litter and current market prices, a producer feeding CitriStim at 0.2% in gestation and lactation diets may be able to increase income potential by \$10.25 per sow per litter. **The result is a \$22.55 per sow yearly profit potential!**

Table 1 Economic Calculations – Gestation and Lactation*

	No CitriStim	0.1% CitriStim	0.2% CitriStim
CitriStim cost (\$/litter)	0.00	1.40	2.80
Number of weaned pigs	10.31	10.55	10.60
Litter value (\$)	463.95	474.75	477.00
CitriStim Economics			
Added value (\$/litter)	-	10.80	13.05
Net gain (\$/litter)	-	9.40	10.25
Net gain (\$/sow/year)	-	20.68	22.55
Return on CitriStim Investment			
Per litter	-	6.71	3.66
Per sow per year	-	14.77	8.05

*Using data from the University of Arkansas study (S10304) and February 2014 values.

No representation of profitability is hereby made. The statements and figures shown here are estimates and projections. Neither ADM, nor its employees, agents, or assigns make any warranty of any kind, including warranty of merchantability or results, relative to the information contained herein. Actual results will be affected by the ability of animals to gain, ability to produce milk, health of animals, management, previous treatment, environment, etc.

Figure 1 Number Born Alive

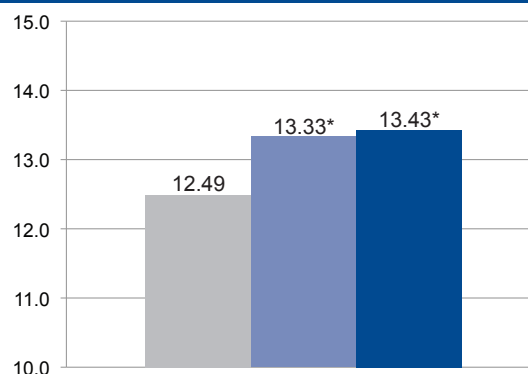


Figure 2 Percent ≤ 2 lb at Birth

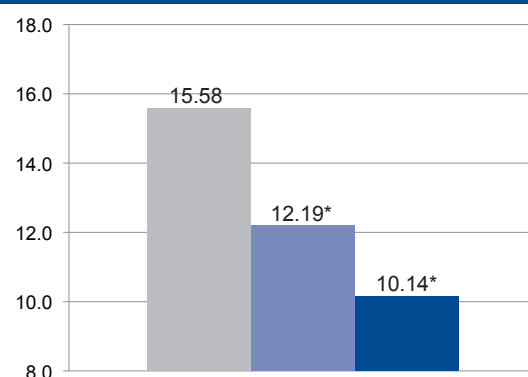
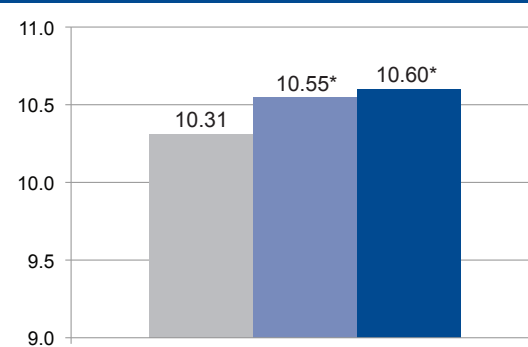


Figure 3 Number Weaned



*No differences in number born alive, percent ≤ 2 lb at birth, and number weaned for 0.1% and 0.2% CitriStim treatments.

Legend: 0.0% CitriStim (Grey), 0.1% CitriStim* (Blue), 0.2% CitriStim* (Dark Blue)