

NUTRIQUEST[®]

Delivering Real Solutions™

NEWS

VOLUME 1, ISSUE 1

Welcome to NUTRIQUEST[®] NEWS

Welcome to the first issue of NUTRIQUEST NEWS. NUTRIQUEST NEWS is the vehicle we have chosen to share information regarding timely topics impacting pork producers. Topics will range from finance and risk management to nutrition, feed milling and operations. NUTRIQUEST NEWS will be published when there is a topic warranting your attention. Our intention is to respect the value of your time and not bother you with topics of limited value. However, if you would like to opt out of NUTRIQUEST NEWS now, you may do so by clicking 'Remove yourself from the mailing list' below. Otherwise, we will appreciate your feedback and ideas for topics that you would like to see addressed in NUTRIQUEST NEWS.

Sincerely,

Ken Purser
General Manager

Beat Summer Heat Stress with Stafac[®]

With the approaching summer weather and the impact that heat can have on pig performance, a recently completed research trial warrants your attention.

The trial was designed to determine the value of *Stafac*, a virginiamycin (VM) medicated feed additive for pigs, under both ideal as well as heat stress conditions. The trial was conducted by scientists at the University of Missouri with support from Phibro Animal Health.

Pigs were allocated into a thermal neutral (comfortable) environment (labeled TN) and compared with pigs allocated to a heat stress (HS) environment similar to that encountered on many summer days¹.



Micronutrients' TBCC has now changed its name to IntelliBond™ C. The new name reflects a better understanding of why IntelliBond C works as well as it does. The unique "smart" bonds have led to a new way of looking at trace minerals, as well as a newly defined category: hydroxy trace minerals.

We will address the benefits of IntelliBond C vs. copper sulfate in an upcoming issue of NUTRIQUEST[®] NEWS.

NUTRIQUEST HIGHLIGHTS

NUTRIQUEST[®] is proud to announce two new additions to our growing team.

Effect of virginiamycin (VM) at 10 g per ton on heat-stressed barrows

| Environment | -----TN----- | | -----HS----- | | -----P values----- | | | Std. error |
|-----------------|--------------|-------|--------------|-------|--------------------|------|--------------|------------|
| | Control | VM | Control | VM | Temp. | Trt. | Temp. x Trt. | |
| Bodyweight, lb. | | | | | | | | |
| Day 0 | 200.8 | 199.4 | 202.1 | 200.4 | 0.72 | 0.61 | 0.97 | 3.02 |
| Day 28 | 271.1 | 274.1 | 246.1 | 249.6 | 0.01 | 0.47 | 0.96 | 4.35 |
| ADG (lb.) | 2.51 | 2.67 | 1.57 | 1.76 | 0.01 | 0.09 | 0.90 | 0.09 |
| ADFI (lb.) | 7.57 | 7.71 | 5.70 | 5.71 | 0.01 | 0.70 | 0.72 | 0.19 |
| Feed:gain | 3.03 | 2.89 | 3.66 | 3.28 | 0.01 | 0.03 | 0.26 | 0.10 |

Pigs raised under thermal neutral conditions clearly benefitted from the addition of 10 grams/ton of *Stafac* to their diet. Under these ideal conditions, *Stafac* supported improvements of 6.4% in ADG and 4.6% in feed:gain.

Heat Stress caused a dramatic reduction in feed intake as consumption was reduced 25% in heat stress vs. thermal neutral conditions. Under the challenge of a heat stress very similar to summer weather, *Stafac* provided even greater benefit. With *Stafac*, heat-stressed pigs demonstrated a 12.1% improvement in ADG and a 10.4% improvement in feed:gain^{2,3}.

For more information on the benefits of *Stafac* in swine diets, contact the nutrition professionals at NUTRIQUEST.

¹The TN chamber temperature remained at 73.4 F for the 28-day study duration. Temperatures in the HS chamber cycled between 98.6°F (11 am to 7 pm) and 80.6°F to mimic fluctuations found between daytime and nighttime temperatures.

²Public research available upon request.

³The data presented are subject to the assumptions set forth herein. The information is to be used for estimating purposes only and no representation or warranty is made by Phibro. *Stafac* is a registered trademark of Phibro Animal Health Corporation.

Luke Wells has joined the company as director of sales. Wells will be responsible for creating and developing ongoing business relationships with new and existing customers. Prior to joining NUTRIQUEST, Wells was the business development manager for Cargill's Pork Enterprise Group.

Steve Hill has joined the company as account manager. Hill will focus on the development of sales for BIOSTRONG, an all-natural, plant derived phytogenic feed ingredient, produced by Delacon International, in the broiler and turkey industries. Prior to joining NUTRIQUEST, Hill was the poultry sales manager for Phibro Animal Health.