



Navigating the Evolving Swine Industry: **The Need for Holistic, Multifaceted Solutions in Modern Pig Production**

The swine industry is constantly evolving, and modern-day pig production presents a multitude of complex challenges. It is essential that we take a holistic approach by encompassing comprehensive, multifaceted solutions. Without such strategies, production challenges can have a detrimental effect on the health and performance of your pigs.

Unraveling the Challenges in the Nursery Phase of Swine Production

One of the most demanding events in a swine production facility is weaning. This period is fraught with multiple stressors that can slow down feed intake in newly weaned piglets, potentially leading to weight loss in the initial days post-weaning. This can compromise gut health and the piglets' ability to cope with stressors, ultimately escalating morbidity and mortality rates.

These challenges can be traced back to various stress factors, including:

1. The emotional stress of maternal separation
2. Transportation stress followed by sudden environmental and dietary changes
3. Commingling and the establishment of a new social hierarchy
4. Exposure to a variety of antigens and pathogens from the new environment, pen mates and vaccinations

**Understanding these challenges is the first step towards
optimizing the nursery phase of swine production.**

The Vital Role of Zinc in Boosting Pig Health and Productivity

Implementing an optimal nutrition program tailored to the needs of your early post-weaned pigs is crucial. Superior nutrition can fortify the immune system, aiding pigs in adapting to and overcoming stressful situations. Feeding performance trace minerals in diets throughout this phase of production is key.

The trace mineral zinc plays a pivotal role in this context. It's a vital nutrient that significantly improves health and helps to produce robust pigs. Zinc is instrumental in strengthening both innate and adaptive immunological functions, promoting animal growth and development. Furthermore, zinc is essential for maintaining gut barrier function and facilitating intestinal healing.

So, when it comes to enhancing pig health and productivity, the role of zinc is indispensable.

Proven Solutions for Complex Challenges in Swine Weaning

The weaning phase presents significant obstacles, often exacerbated by disease challenges. Over time, supplementing zinc in pig diets has proven to increase pig robustness. However, it's important to note that not all zinc sources are created equal, nor do they provide the same level of benefits.

Zinpro® stands out from other zinc sources due to its unique bond with a single amino acid. This bond allows the zinc molecule to resist antagonist effects in the stomach and small intestine, enabling absorption via an amino acid transport pathway. This distinctive trace mineral absorption mechanism allows Zinpro to trigger fundamentally different post-absorptive effects compared to other trace mineral sources, leading to increased robustness and productivity.



Zinpro: A Proven Solution to Support Pigs Through a *Lawsonia intracellularis* Challenge

Scientific studies have consistently affirmed the role of **Zinpro® Performance® Minerals** in enhancing the immune system when faced with a *Lawsonia intracellularis* challenge.

In a scientific study, pigs vaccinated against ileitis and supplemented with **Zinpro® Availa® Zn** experienced a 4% reduction in mortality following a *Lawsonia intracellularis* challenge, compared to vaccinated pigs receiving inorganic zinc.

Furthermore, the efficacy of **Zinpro Availa Zn** has been shown to enable pigs to respond to a *Lawsonia intracellularis* infection at the gastrointestinal level. This response is evidenced by a 50% reduction in both the proportion of animals exhibiting lesions and the severity of the lesions induced by the infection.

Together We Can Give Your Nursery Pigs a Better Chance to Thrive

The upfront investment in your young pigs must yield a long-term return. **Partnering with Zinpro**, you can be confident that the nutritional choices you make will drive results that benefit your pigs and the financial health of your operation. With a team comprising some of the world's most respected **nutritionists, veterinarians and pig production experts**, and our holistic approach to performance, we collaborate closely with you. **Our partnership** focuses on your animals' wellbeing, nutrition and business needs from every perspective.

*References Available Upon Request.



Expand Your Knowledge: **Explore These Valuable Resources**

Stories of Customer Success: New Fashion Pork, a U.S. Based Pork Producer

Learn how New Fashion Pork unlocked the secret to enhancing the health and longevity of their sows with Zinpro.

WATCH NOW

Stop PRRS in its Tracks

Discover how to slow down PRRS in pigs with proven trace mineral nutrition from Zinpro.

LEARN MORE

Become a Zinpro insider! Join our community of animal nutrition and health professionals by subscribing to the **Essential Feed** monthly newsletter. You'll receive practical tips and insights to enhance your animals' wellbeing and boost the efficiency of your operations.

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