



## Decoding the Complexities and Impacts of PRRS on Swine Health

Porcine Reproductive and Respiratory Syndrome (PRRS) has been a significant challenge for global swine producers for several decades. This virus is typically seasonal, most prevalent in cooler weather months. However, PRRS has begun to persist through other seasons and now exhibits higher rates of morbidity and mortality than usual, seemingly complicated by new strains. PRRS is present in most global swine markets, with the exception of Brazil and Australia.

### Impacting PRRS: The Role of Water-Soluble Zinc from Zinpro®

**Water-soluble zinc from Zinpro** offers a promising solution to combat PRRS. This essential mineral supplement helps to safeguard swine health and productivity.

Like swine influenza, rotavirus and coronaviruses, **PRRS is an RNA virus**. This means it consists of a single strand of genetic material, RNA. The existence of different strains can make it challenging to treat or vaccinate against PRRS, as vaccines are usually strain-specific, and viruses are known to mutate.

Moreover, PRRS can impair a pig's immune response, potentially opening the door for secondary bacterial and viral infections that can be even more dangerous than PRRS itself. These combined challenges add a layer of complexity in managing pig health today.

### Key impacts of PRRS:

- PRRS alone can cost up to \$5.57 per pig, and can reduce average daily gain (ADG) by 33%
- **Secondary infections:**
  - PRRS + Swine Influenza Virus (SIV) costs **\$10.41 per pig**
  - PRRS + Mycoplasma (MYCO) costs **\$9.69 per pig**
  - PRRS + Salmonella reduces **ADG by 47%**

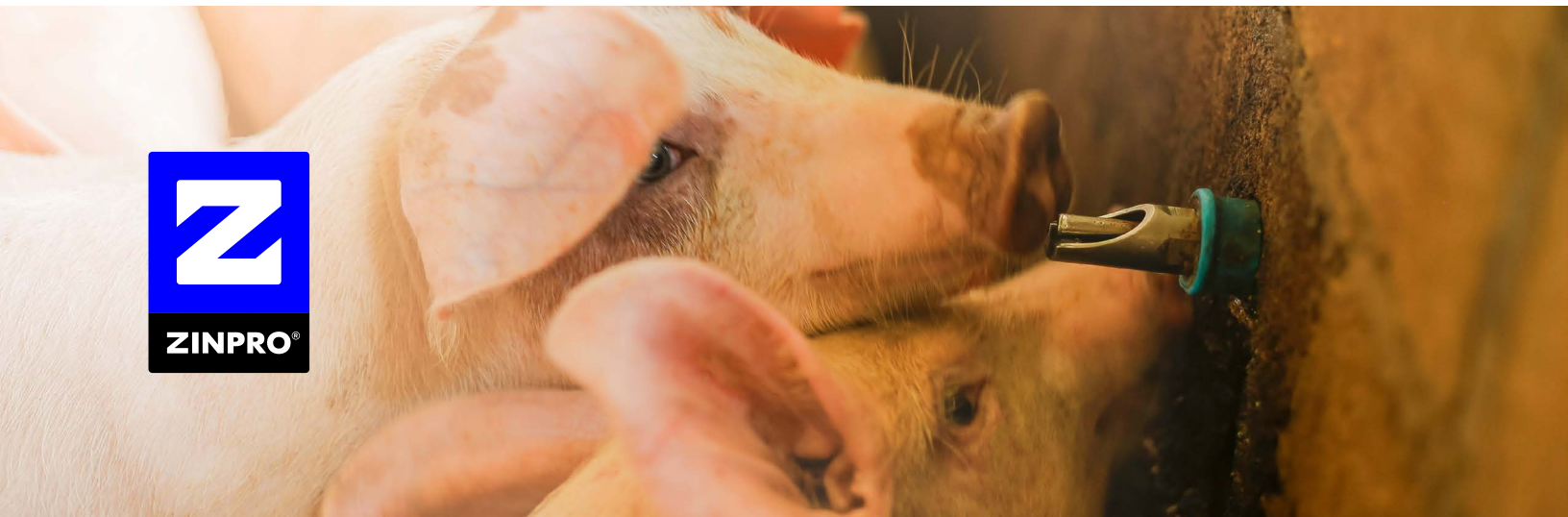
Despite the industry's increased knowledge and readiness to handle this disease, the detrimental impacts of a PRRS outbreak on pig production systems persist, leading to a rise in mortality and escalating production costs.

## Strategic Nutrition: The Power of Water-Soluble Zinc from Zinpro in PRRS Management

Maintaining a PRRS-free farm requires a collaborative effort from your nursery and sow farm staff, veterinarians and nutrition experts. While there are numerous preventative measures for managing this virus, strategic nutrition plays a pivotal role in regaining control over your pigs' health.

Stressful periods often lead to a decrease in feed intake, potentially resulting in a deficiency of crucial trace minerals like zinc when they are most needed. Although water intake is reduced during these periods, it does not decrease as significantly as feed intake. This makes drinking water a feasible route for supplemental nutrition during health challenges.

Zinpro offers the **only water-soluble zinc** available in today's market. This can be added to the pigs water source during a PRRS outbreak, providing a strategic nutritional solution for swine health.



## A Proven Performance Enhancer for Weaned Pigs with PRRS

Recent internal research with **Zinpro® ProPath® LQ Zn** with pigs facing a PRRS challenge revealed a significant 24% reduction in the number of medical interventions required throughout the nursery period, including a substantial 25% reduction in the first week. This strategic nutritional intervention led to an impressive gain of an additional 1.5 pounds of body weight at nursery exit.



## 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

### Proof of Performance

Discover how to improve nursery pig body weight with **Zinpro ProPath LQ Zn**, the only water soluble zinc on the market. productivity of nursery pigs.

**DOWNLOAD RESEARCH**

### Fortify the Future™

Learn about the Zinpro commitment to integrating sustainability in all we do, fortifying not only animals, but families, communities and the earth too, now for generations to come.

**READ NOW**

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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