ZINPRO®

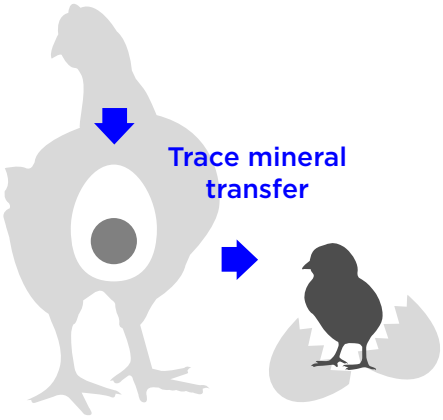
ADVANCING PERFORMANCE TOGETHER

Strong Breeders for More Settable Eggs and More Quality Chicks

In today's poultry industry, reaching top performance in egg production, maintaining a good eggshell quality throughout the whole production cycle and developing robust day-old chicks are key challenges to overcome in breeder production.

To achieve more settable eggs and more chicks per hen housed, nutrition and management of breeder hens need to be exceptional and that includes superior trace mineral nutrition.

It all starts with the hen:
Strong hens for a robust progeny



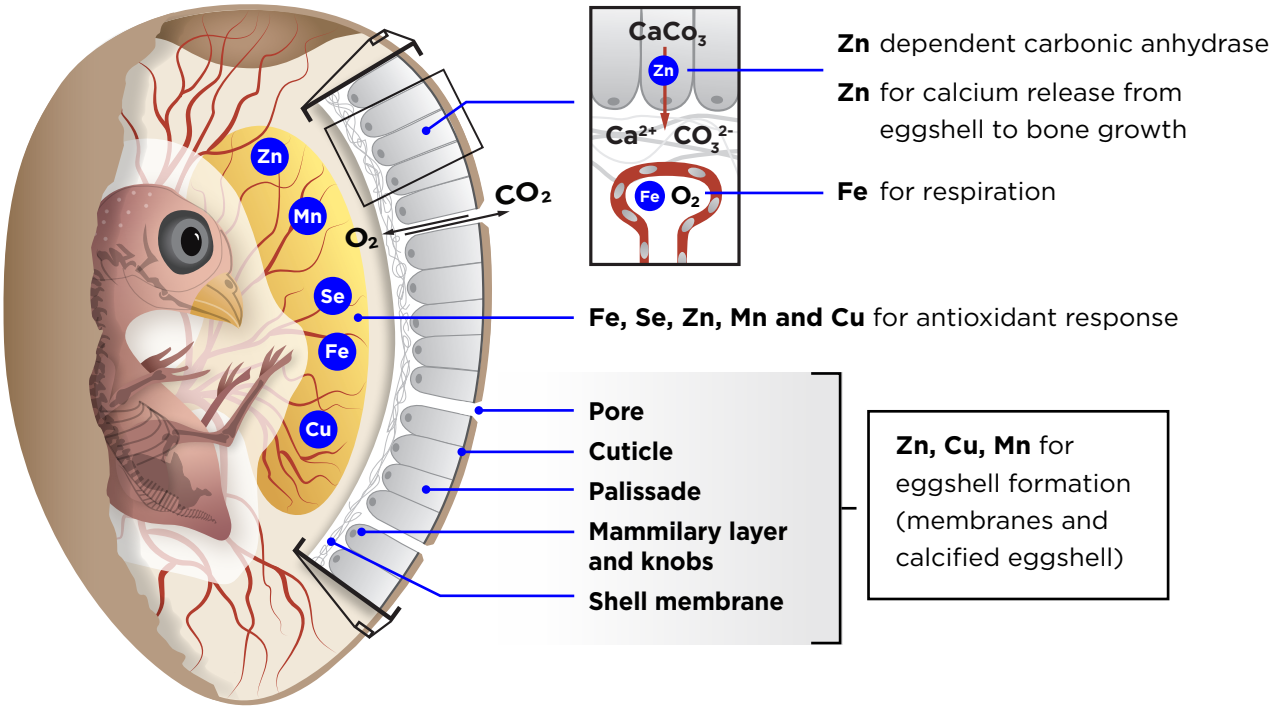
The Zinpro® First Line of Defense™ programme enhances the quality and function of the bird's epithelial barrier.

Hens fed Zinpro® Performance Minerals® will show:

- Reduced (-29%) incidence of *Salmonella Enteritidis* in the oviduct[1]
- Stronger immune response under *Salmonella* challenge[2]
- Better antioxidant response[1]
- Robust skeleton during production[1]
- Improved hen livability[3]

Enhanced eggshell, membranes, and embryos by supplementing hens with superior trace minerals

Feeding Zinpro Performance Minerals to your hens can improve embryo growth, skeletal development and reduce the impact of stress for embryos, so they are ready to thrive right when they hatch.



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Proven Performance

Feeding breeder hens with Zinpro® Performance Minerals® provides superior results

More settable eggs per hen housed

Stronger Egg Membranes

- 4-15% Increase in organic matter content[4]
- Limited eggshell contamination at laying and during incubation

Stronger Eggshells[1,3]

- 3-6% Resistance to breakage

Three more quality chicks per hen housed[1,5,6]

Superior Egg Nutrient Storage

- More Zn, Fe and Se content[6,7,8]

Better Skeletal Development

- Improved bone calcification during embryonic growth[6]
- Healthier legs at hatch[3]

Increased Hatchability of[3,5,9]

- Settable eggs
- Fertile eggs
- Eggs under challenged conditions

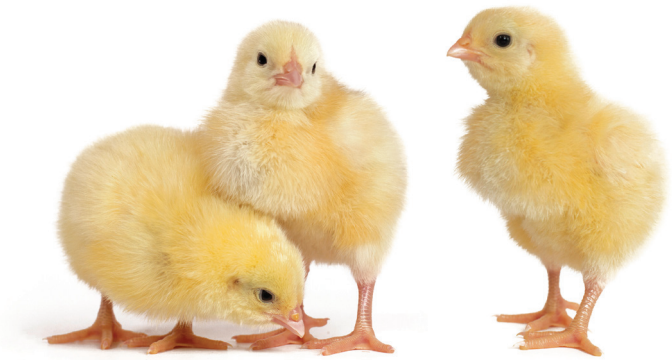
Reduced Embryonic Mortality[3]

Progeny Carry Over Effect

- Increased first week body weight gain[3]

Enhanced Oxygen Transfer by Using the Right Source of Fe

- 5% increase of hematocrit percentage at hatch[3]

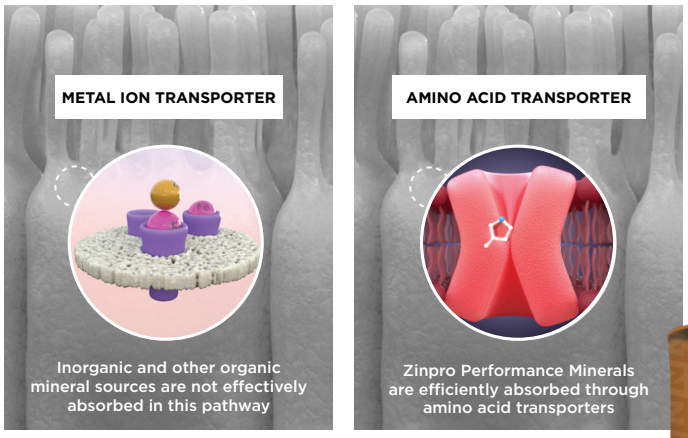


Zinpro® BlueBox™ Tool

The Zinpro BlueBox is a unique eggshell quality evaluation tool to assess the integrity of eggs, without having to break them.

Eggshell quality matters.
Contact us to find out more!

Zinpro® Performance Minerals® are unique and exclusive



Soluble | Stable | Absorbable
Metabolically Available

Zinpro® Availa® ZMC
40 mg of Zinpro Availa Zn per kg of feed to support hen´s immunity , eggshell quality, embryo bone growth and antioxidant response.

Zinpro® Availa® Se
0.2 mg of Zinpro Availa Se per kg of feed for optimal antioxidant defence, health of embryos and chicks.

Zinpro® ProPath® Fe
40 mg of Zinpro Availa Fe per kg of feed to support oxygen transport, antioxidant response and muscle development.

References

[1] Internal commercial controlled research trial Zinpro® Corporation
[2] Cheng and Guo, (2004) Asian-Aust. J. Anim. Sci. 17:1717
[3] Controlled commercial research trial
[4] Horne *et al.*, (2022) Poster WPSA UK
[5] Ebbing *et al.*, (2019) J. Appl. Poult. Res. 28:184–193
[6] Favero *et al.*, (2013) Poultry Science 92 :402–411
[7] Bess *et al.*, (2012) Animal Feed Science and Technology 178 (2012) 67–73
[8] Reis *et al.*, (2009) J. Appl. Poult. Res. 18 :151–157
[9] Favero *et al.*, (2013) J. Appl. Poult. Res. 22 :80–91

ZINPRO® FIRST LINE OF DEFENSE™

Find out more at **zinpro.com/poultry**

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