



BiPath

Research-Proven Zinpro Performance Minerals

At Zinpro, we are proud to invest far more in animal performance studies than any other organic trace mineral company, and our list of over 200 peer-reviewed research publications is unmatched in the industry. We strive to provide our customers with quality information to better explain how our products deliver a positive animal response and improved return on investment.



Animals Don't Lie.

And neither do our 250+ peer-reviewed research studies.



Zinpro Animal Nutrition (Thailand) Inc.
23/89 Sorachai Bldg., 21st Fl., Soi Sukhumvit 63, Sukhumvit Road, North Klongton,
Wattana, Bangkok 10110 Thailand Tel: 02-7269601 | Fax: 02-7269602



BiPath

Feed the best
for broilers

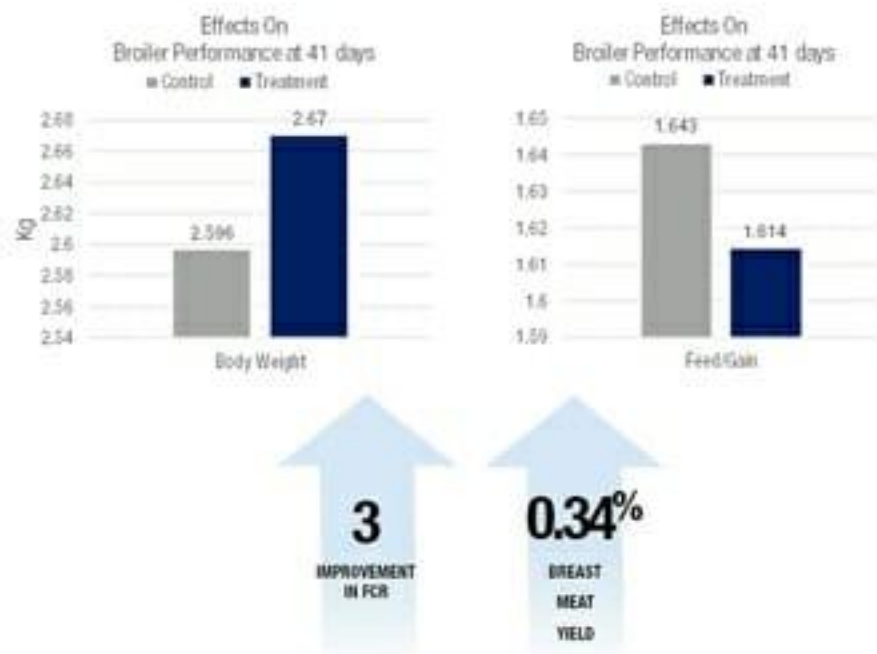


More Than Mineral

To truly thrive, poultry must receive optimum trace mineral nutrition throughout their productive life stages.

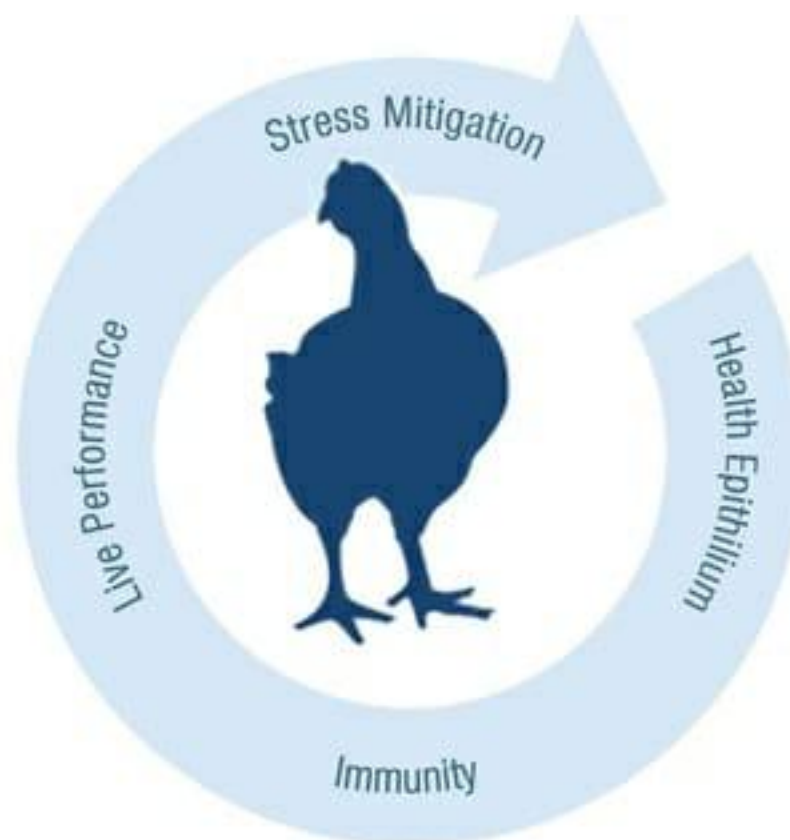
Live Performance

Body weight, feed conversion, growth rate all impact the performance and profitability of broiler operations.

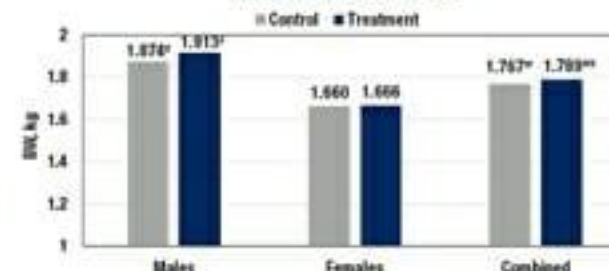


Stress Mitigation

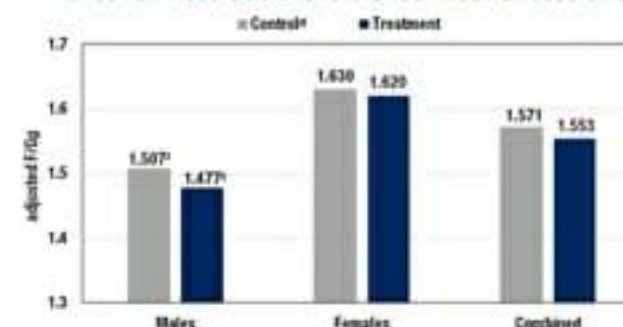
Zinpro has been working to find nutritional solutions using performance trace minerals to help alleviate the negative consequences of heat stress in susceptible animals. Adjusting the nutrition of your broilers can be a more economical strategy than investing in facility structure changes to mitigate the effects of heat stress in poultry operations.



Effect on Ross 308 Broilers Under Heat Stress At 35 d



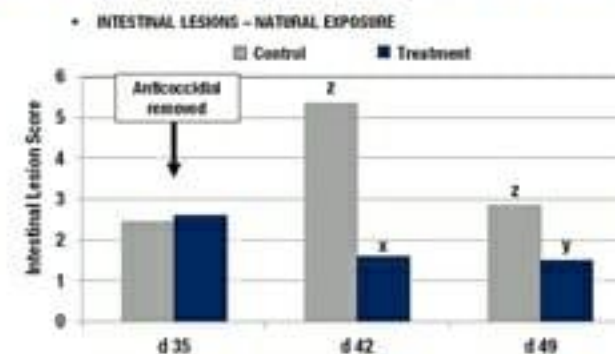
Effect on Ross 308 Broilers Under Heat Stress at 35 d



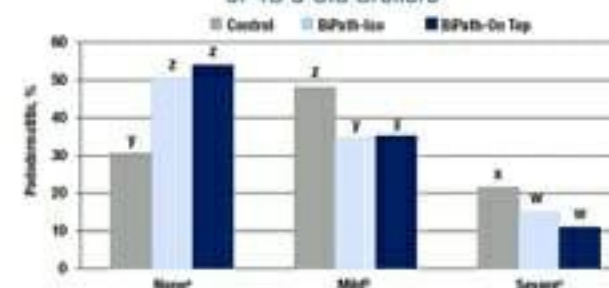
Healthy Epithelium

Epithelial tissue is the first-line defense when a bird is exposed to pathogen. Performance minerals promote improved epithelium and skin integrity, repair and protection. Improved epithelial integrity improves the economics of broiler protection.

Effect of Zinpro Performance Minerals® During a Coccidia Challenge



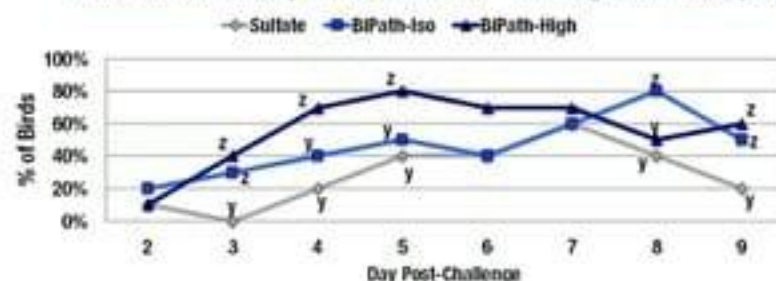
Effects on The Incidence and Severity of Pododermatitis of 48 d Old Broilers



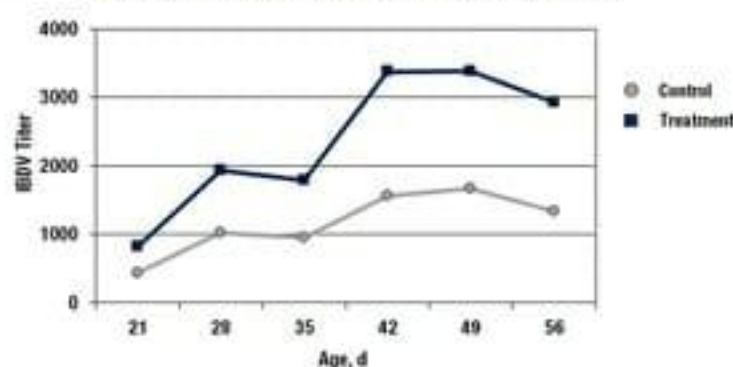
Immunity

The immune system has one of the most important function in any living species – actively maintain health by protecting against virus and bacteria that could disease. Trace Minerals play an important role in developing a strong immune defense system.

Prevalence of Directly Infected with IBV^a Showing Inflammatory Signs



Effects on Infectious Bursa Disease Vaccine Titer



^a Challenge with Arkansas DPI p10 strain of IBV (103.5/ED50/0.1mL) by eye-drop at 10 days of age
^b Inflammatory signs: conjunctivitis, nasal discharge and coughing
^c BIPath-iso 1 kg / BIPath-High 2.5 kg
^{yz} Within day, means lacking a common superscript letter differ, P < 0.05

BiPath-B

Availa® minerals blend



More Than Mineral

Superior Nutrition through superior science your animals deserve the best organic performance trace minerals to support their health and wellness.

BiPath, our performance mineral blend is backed by decades of scientific proven research to deliver the most nutrients at all stages of life.

Each kg will deliver

Zinc (Zn)	80 grams
Manganese (Mn)	80 grams
Copper (Cu)	8 grams
Iron (Fe)	5 grams
Selenium (Se)	0.35 grams
Iodine (I)	2 grams
Chromium (Cr)	0.20 grams
Carrier add to	1,000 grams

Directions for Use

Broiler feed at the rate of 500 - 1,000 grams per metric ton of complete diet.

Breeder feed at the rate of 1,000 grams per metric ton of complete diet.

Layer feed at the rate of 350 - 500 grams per metric ton of complete diet.

Storage

The material should be stored in a clean dry place and not exposed to extreme heat or high humidity for extended periods of time.

Net Weight 25kg (55.1lbs)