

WHAT IS AZOMITE®?

AZOMITE® is a natural feed additive mined in Utah, USA. AZOMITE® typically contains a broad spectrum of over 70 minerals and trace elements and is unlike any other geological deposit in the world. AZOMITE® carries an FDA GRAS classification and is listed for certified organic use by the Organic Materials Review Institute (OMRI) and Halal.



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AZOMITE®
NATURAL TRACE MINERALS FOR FEED

FEED

MASSAM LLC

DISTRIBUTOR FOR: CANADA, CARIBBEAN, LATIN AMERICA

USA **+1 719-565-0597**

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NATURAL TRACE ELEMENT ADDITIVE AND
ANTI-CAKING AGENT FOR FEED



Available in 44lb/20kg bags,
in 1 MT totes, bulk truck loads
and rail cars ~89 MT/rail car.



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BENEFITS OF AZOMITE®

In animals, accredited research and customer testimony report that AZOMITE® improves:

- Animal size
- Immune response
- Feed conversion ratio (FCR)
- Eggshell quality
- Dressed carcass percentage
- Average daily lean gain (ADG)
- Resistance to pathogens such as *Clostridium perfringens*
- Resistance to heat stress
- Feed flowability and anti-caking qualities
- Mycotoxin binding ability

POSITIVE RESULTS REPORTED IN:

- Poultry
- Shrimp
- Cattle
- Pigs
- Fish

Adding AZOMITE® to the feed may fill nutritional gaps which are left incomplete when relying solely upon common mineral pre-mixes. Animals can survive with deficiencies in trace minerals, but not at optimum health and weight.

RESEARCH: REPORTED IMPROVEMENTS

AZOMITE® IN BROILERS (0-56 DAYS)

Southern Poultry Research, Inc. - 2014

	CONTROL	AZOMITE® 0.25%	BENEFIT
Weight Gain (kg.)	3.676 ^a	3.702 ^a	0.7%
Feed Conversion	2.03 ^a	2.003 ^b	1.3%
Breast Meat Yield (%)	30.12 ^a	30.77 ^b	2.2%
Villi Height (micrometer)	822.8 ^a	829.7 ^a	0.8%

AZOMITE® IN LAYERS (NOVOGEN WHITES) (0-112 DAYS)

AHPharma, Inc. - 2015

	CONTROL	6 LBS/TON	BENEFIT
% Egg Production (0-112 days)	88.35 ^b	90.28 ^a	2.18%
Feed Conversion (lbs. of feed/dozen eggs)	3.802 ^b	3.617 ^a	4.87%
Feed Conversion (kg. of feed/dozen eggs)	1.728 ^b	1.644 ^a	4.86%
Egg Weight in Grams (Day 110-112)	59.718 ^b	62.802 ^a	5.16%

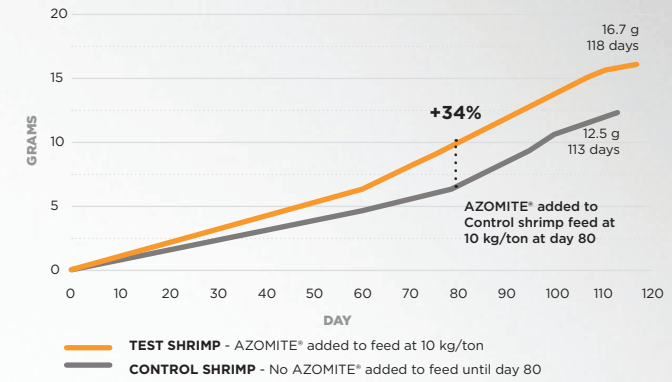
AZOMITE® IN SWINE (42 DAYS - 20 to 60 kg body weights)

AHPharma, Inc. - 2015

	CONTROL	AZOMITE® 0.50%	BENEFIT
Body Weight (kg.)	58.35 ^a	61.66 ^b	5.7%
Avg. Daily Gain (kg.)	0.9 ^a	0.98 ^b	8.9%
Feed Conversion	2.484 ^a	2.286 ^b	8.0%

AZOMITE® IN SHRIMP

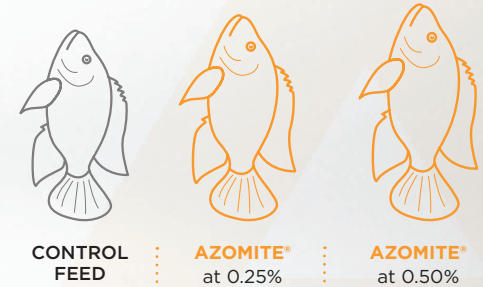
On-farm study in Thailand (rainy season)



Until day 80 in this test, daily shrimp weights began to reveal that AZOMITE®-fed shrimp were far outperforming the control. The study director decided to feed AZOMITE® to the control shrimp after day 80. After that point, both groups showed similar higher growth rates.

REPLICATED TILAPIA STUDY

University Trials - Thailand



	CONTROL FEED	AZOMITE® at 0.25%	AZOMITE® at 0.50%
Weight Gain (g.)	90.5 ^b	102.0 ^a	112.0^a
FCR	1.57 ^b	1.27 ^a	1.33^a

Summaries of AZOMITE® research studies are published at

WWW.AZOMITEINTERNATIONAL.COM

