



HORUS
INTERNATIONAL
PVT LTD

DRIVEN WITH VISION



99% Methyl Donor Value

BetiGuard

Smart Methylation. Smarter Performance

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BetiGuard is a premium betaine supplement formulated to enhance poultry health and performance. With its superior osmoregulatory properties, BetiGuard strengthens gut integrity, improves feed efficiency, and mitigates heat stress, ensuring optimal growth and productivity.

Mode of Action:

BetiGuard contains a highly concentrated form of betaine, a natural Osmo protectant and methyl donor. It plays a crucial role in:

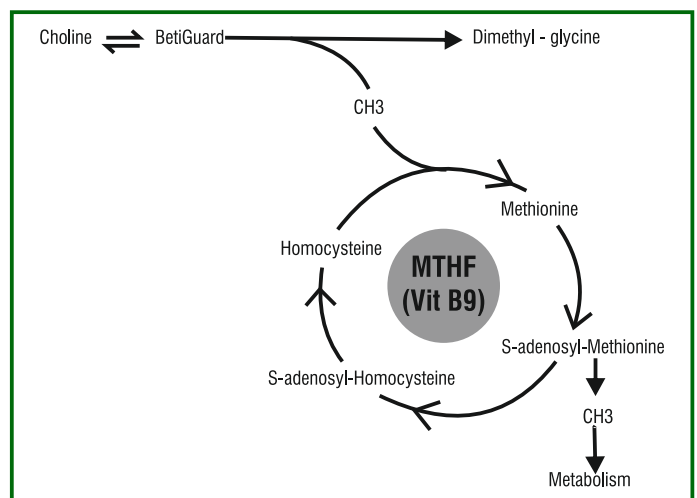
- **Gut Health & Integrity:** Strengthens intestinal villi, improving nutrient absorption and digestion efficiency. By enhancing gut morphology, BetiGuard ensures better feed utilization and reduces the risk of intestinal disorders.
- **Heat Stress Management:** Reduces the impact of high temperatures by stabilizing cellular function and minimizing oxidative stress. This leads to improved feed intake, reduced heat-related mortality, and better overall performance in hot climates.
- **Lipid Metabolism:** Supports fat digestion and energy utilization, improving feed conversion efficiency (FCR). It enhances fat breakdown, optimizing energy production and reducing unnecessary fat deposition.
- **Osmoregulation:** Maintains cellular hydration and electrolyte balance, preventing dehydration and stress-related issues.
- **Methyl Donation:** Provides methyl groups essential for protein synthesis and

overall metabolic function, contributing to growth and efficiency.

Important benefits of BetiGuard:

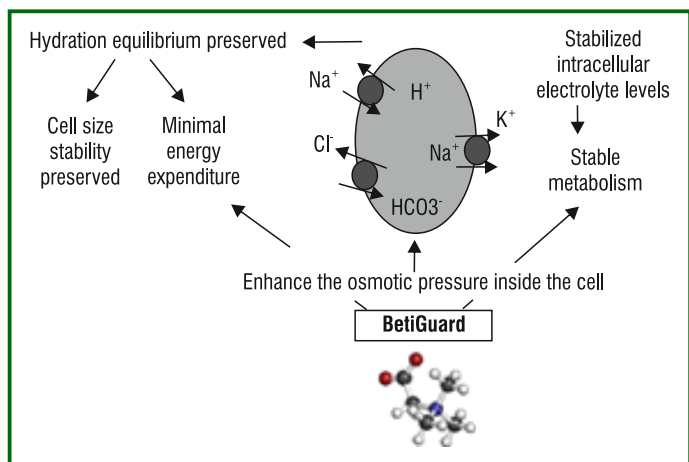
"BetiGuard: Superior Methylation for Poultry."

BetiGuard is a superior methyl donor that optimizes methylation in poultry metabolism. It supports the methionine cycle by converting homocysteine into methionine, aiding protein synthesis and DNA methylation. Enhancing metabolic efficiency, BetiGuard reduces reliance on dietary methionine while ensuring optimal growth and nutrient utilization.



"BetiGuard: Ultimate Osmo protectant for Poultry."

BetiGuard is a powerful osmolyte that maintains cellular hydration and osmotic balance in poultry, protecting against dehydration and stress. It stabilizes proteins, preserves gut integrity, and enhances nutrient absorption, ensuring optimal performance, resilience, and feed efficiency even in challenging conditions.



"BetiGuard: Powerful Defence Against FLS."

Fatty Liver Syndrome (FLS) is a common metabolic disorder in poultry, particularly in laying hens, caused by excessive fat accumulation in the liver. This condition can lead to reduced egg production, liver haemorrhage, poor feed conversion, and increased mortality. BetiGuard, containing concentrated Betaine, plays a crucial role in preventing and managing FLS by enhancing lipid metabolism, supporting liver detoxification, and improving methylation processes.

"BetiGuard: Essential Support for Coccidiosis."

While BetiGuard is not an anticoccidial, it plays a crucial role in gut protection, immune support, and metabolic recovery, making it an essential additive in coccidiosis management programs. Incorporating BetiGuard in poultry diets helps birds recover faster, maintain performance, and improve resilience against coccidiosis.

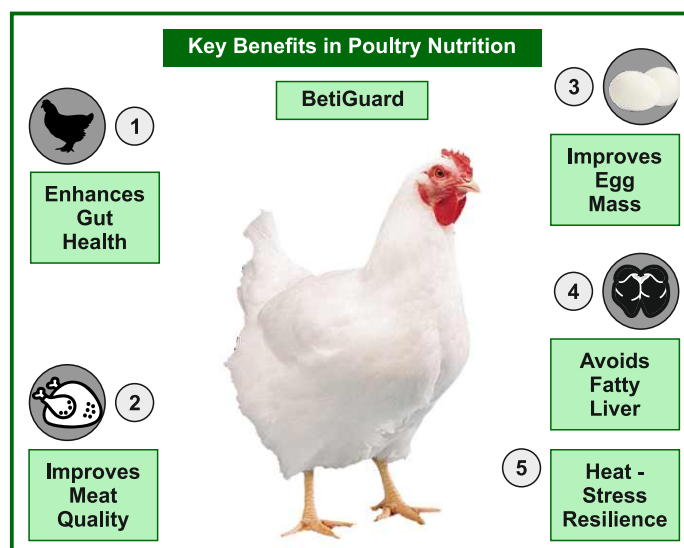
"BetiGuard: Enhancing Egg Weight & Production."

BetiGuard optimizes nutrient utilization,

liver function, and metabolism, enhancing egg weight and mass in layers and breeders. As a key methyl donor, it supports protein synthesis, lipid metabolism, and DNA methylation, improving yolk formation and albumin quality. By strengthening gut health, it boosts calcium, phosphorus, and amino acid absorption for better eggshell formation and egg production. Additionally, BetiGuard supports liver health, preventing fatty liver syndrome and ensuring sustained egg production.

"BetiGuard: Improving Meat Quality & Yield."

BetiGuard enhances protein metabolism, muscle growth, and meat quality in broilers and breeders. As a methyl donor, it supports methionine metabolism for higher muscle yield, firmer texture, and improved tenderness. By promoting lipid metabolism, it prevents excess fat deposition, ensuring a leaner carcass with reduced abdominal fat. As an osmolyte, BetiGuard regulates cellular hydration, minimizing drip loss and enhancing meat juiciness and texture.



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Composition:

Highly bioavailable betaine, superior osmoprotectant, efficient methyl donor, gut health enhancer, metabolic optimizer.

Recommended Usage:

- Poultry (Broilers & Layers): 0.5 – 2.0 kg per tonne of feed
- Pigs & Cows: 1.0 – 3.0 kg per tonne of feed
- Aquaculture (Fish & Shrimp): 0.8 – 2.5 kg per tonne of feed

Presentation:

25 kg Bag

Storage Conditions:

Store in a cool, dry place away from heat, light, moisture and reach of children.

Not for human or medicinal use:

Animal feed supplement only

