



HORUS
INTERNATIONAL
PVT LTD

DRIVEN WITH VISION



Vitamin Premix for Layers

VitaMix LAY

Boost Fertility. Enhance Egg Quality

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Product Description :

VitaMix LAY is a scientifically formulated vitamin premix designed to optimize the health, productivity, and performance of layer birds. It plays a crucial role in regulating metabolic processes, enhancing nutrient utilization, and maintaining acid-base balance (pH), ensuring optimal physiological function. The balanced composition supports egg production, eggshell quality, and overall reproductive health in poultry.

Composition:

Per kg contains

Vitamin A	50 MIU
Vitamin D ₃	16 MIU
Vitamin E	48,000 mg
Vitamin K ₃	10,000 mg
Vitamin B ₁	3,200 mg
Vitamin B ₂	32,000 mg
Vitamin B ₆	6,400 mg
Vitamin B ₁₂	60 mg
Niacin	48,000 mg
Calcium-D-Pantothenate	16,000 mg
Folic Acid	5,600 mg
Biotin	20 mg
Organic Nutrient Carrier	Q.S.

Mechanism of Action

1. Absorption & Metabolism

- Vitamins (A, D₃, E, K₃, B-complex) are absorbed in the intestine and transported via the bloodstream to target organs.

- Fat-soluble vitamins (A, D, E, K) are stored in liver & fat tissues, while water-soluble vitamins (B-complex) act immediately in metabolic reactions.

2. Bone Development & Eggshell Formation

- Vitamin D₃ enhances calcium absorption from the intestine and deposition into bones and eggshells.

- Vitamin K₃ supports calcium metabolism for stronger bones and shell integrity.

3. Energy & Metabolism Optimization

- Vitamin B-complex (B1, B2, B6, B12, Niacin, Pantothenate, Folic Acid) regulates carbohydrate, protein, and fat metabolism.

- Improved feed conversion ratio (FCR) leads to enhanced productivity.

4. Egg Production & Quality Improvement

- Vitamin A & E stimulate ovarian function for better ovulation and yolk development.

- Biotin & Pantothenic Acid contribute to eggshell quality by supporting keratin and calcium metabolism.

5. Immune & Stress Resistance

- Vitamin E & Niacin act as antioxidants, reducing oxidative stress.

- Folic Acid & B12 enhance red blood cell production, improving oxygen transport and immunity.

Key Benefits

- **Enhances Egg Production & Quality** – Supports sustained egg-laying performance with superior shell strength and internal egg quality.

- **Promotes Bone Development** – Improves calcium metabolism for strong skeletal structure and eggshell formation.

- **Optimizes Hatchability & Embryo Development** – Ensures proper fetal growth and survival rate in breeding birds.

- **Boosts Feed Efficiency & FCR** – Enhances digestion, nutrient absorption, and overall feed conversion ratio.

- **Strengthens Immunity** – Contributes to better resistance against stress, infections, and metabolic disorders.

Dosage & Administration :

250g per ton of feed or as directed by a veterinarian.

Presentation :

Available in 25 kg Bags & Drums

