

ROSSVMIX AR

VITAMIN PREMIX FOR LAYERS



Poultry feed is largely deficient in vitamins, therefore it is essential to fortify it with commercially available vitamins. **RossVmix AR** plays a vital role in quality egg production and overall health of the layer birds

A Perfect Blend
of Vitamins for
Optimal
Performance

Each 1 kg Contains

Vitamin A	50 MIU	Pyridoxine (B ₆)	6.4 g
Vitamin D ₃	14 MIU	Biotin (B ₇)	0.02 g
Vitamin E	32 g	Folic Acid (B ₉)	5.6 g
Vitamin K ₃	8 g	Vitamin (B ₁₂)	0.06 g
Thiamine (B ₁)	3.2 g	Cal-D- Pantothenate	16 g
Riboflavin (B ₂)	32 g	Organic Nutritive	
Niacin (B ₃)	48 g	Carrier	q.s.

STORAGE

Store in cool and dry places, away from heat and Sun light

USAGE

250 g / tonne of feed or as recommended by Nutritionist

PRESENTATION

25 kg Bag and Drum

BENEFITS

- Helps to improve egg production levels and egg quality in laying cycle
- Increases egg weight and egg shell quality
- Improves feed utilization and the feed conversion efficiency
- Helps to improve the overall health and performance of the bird
- Provides protection from deficiency diseases and helps alleviate heat stress



Rossari Vitamin LAYER PREMIX Solutions



Manufactured & Marketed By:
ROSSARI BIOTECH LIMITED
(An ISO 9001 : 2015,14001 : 2015 & GMP Certified Company)

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ROSSARI VITAMIN PREMIX SOLUTIONS

Vitamins are organic compounds and essential micronutrients required for normal metabolism, growth, reproduction and general functioning of the body. They do not yield energy, but acts as a catalyst in various body processes. Having a simple stomach structure with minimal role of microbial digestion, commercial Poultry birds cannot produce all the required vitamins in sufficient quantities.

Originally, *vitamine* (1912) was coined from the Latin word *vita*, meaning life and amine, because they were thought to contain amino acids. The terminal -e was stripped off when the scientists learned the true nature of the substance that not all vitamins contain the amine group.

BASIC FUNCTIONS OF VITAMINS

Vitamins are of key importance in poultry production with following aspects:

- (i) To build up the body resistance against diseases
- (ii) Prevent and cure various deficiency disorders
- (iii) To help the digestion and utilization of mineral salts and carbohydrate in the body
- (iv) Stimulates and provide functional strength to various organ systems
- (v) Supports in the maintenance of proper health and normal growth

Vitamins are classified into two major categories based on their solubilities in fat and water. Vitamin deficiencies of either categories can lead to several disease conditions as mentioned below:

FAT SOLUBLE VITAMIN DEFICIENCY DISORDERS

Vitamin A	Decreased egg production, weakness and lack of growth
Vitamin D	Thin shelled eggs, reduced egg production, retarded growth, rickets
Vitamin E	Enlarged hocks, encephalomalacia (crazy chick disease)
Vitamin K	Impairment of blood coagulation, subcutaneous & internal haemorrhages

WATER SOLUBLE VITAMIN DEFICIENCY DISORDERS

Thiamine (B ₁)	Loss of appetite, stunted growth and death in extreme situation
Riboflavin (B ₂)	Curled-toe paralysis, poor growth and poor egg production
Niacin (B ₃)	Bowed legs, inflammation of tongue and mouth cavity
Pantothenic Acid (B ₅)	Dermatitis and lesions on mouth and feet
Pyridoxne (B ₆)	Retarded growth, dermatitis, anemia and gizzard erosion
Biotin (B ₇)	Dermatitis on feet and around eyes and beak
Folic Acid (B ₉)	Poor growth, anaemia, poor feathering and egg production
Vitamin B ₁₂	Anaemia, poor growth, embryonic mortality

As illustrated above, vitamin deficiencies can have detrimental consequences on health and productivity of the birds. Thus, to prevent or alleviate the deficiency symptoms, balancing the ration with required vitamins is a necessary practice

ROSSVMIX AR PREMIUM (LAYER)

VITAMIN PREMIX WITH HERBAL SUPPLEMENTATION FOR EGG SHELL THICKNESS

Supplementation of dietary vitamins is essential for normal health and egg production in layer birds. But mere vitamin addition will not be enough when aiming to achieve high quality egg production. This requires additional inputs in the form of herbs that support the physiological demands that come with improved productivity. These herbs potentiate the effect of vitamins to maximize production and egg quality in laying cycle

NUTRITIONAL VALUE PER KG			
Vitamin A	30 MIU	Biotin (B ₇)	0.11 g
Vitamin D ₃	7.5 MIU	Folic Acid (B ₉)	4 g
Vitamin E	25 g	Vitamin B ₁₂	0.030 g
Vitamin K ₃ (Menadione)	5 g	Vitamin C	10 g
Thiamine (B ₁)	2.5 g	Zingiber officinale	250 mg
Riboflavin (B ₂)	25 g	Withania somnifera	250 mg
Niacin (B ₃)	35 g	Moringa oleifera	250 mg
Pantothenic Acid (B ₅)	10 g	Fructooligosaccharide	250 mg
Pyridoxine (B ₆)	4.5 g	Organic Nutritive Carrier	q.s.

SIGNIFICANCE OF HERBS

Zingiber officinale: Rich source of minerals & have immunomodulatory properties. *Zingiber officinale* contains 1.2% minerals on dry matter basis (Ca 20%, P 60%, Fe 2.6mg/100g in addition to traces iodine and chlorine)

Withania somnifera: Improves the body weight, feed intake, serum antioxidant levels, immune status and general health of the commercial layer birds and as well effective against heat stress

Moringa oleifera: Has the following properties - antioxidant, anti inflammatory, improves intestinal health, cardiac stimulant and improves immune response


Fructooligosaccharides: Acts as prebiotic & increases mineral bioavailability

ROSS VMIX AR PREMIUM BENEFITS

- The herbs potentiate the action of the dietary vitamins for better productivity and health
- The complementary action of herbs & vitamin blend provides synergistic activity of combination, improving egg production & ROI
- Develop and maintain cellular integrity and tissue structures
- Contents act as co-enzymes in several metabolic reactions
- Improves egg production level in the laying cycle
- Improves egg shell thickness & egg weight
- Improves immune response - healthier bird
- Increases uptake and utilization of dietary Ca and P and regulation of calcium mobilization from skeletal system to the shell glands
- Improves the physical appearance and blood profile
- Improves haematological parameters (TEC, Hb content, PCV & ESR)
- Provides protection from deficiency diseases

PRESENTATION

5 kg Pail



USAGE

500 g / tonne of feed or as recommended by nutritionist