

POULTRY HEALTH SUPPLEMENT



PVH



**Livestock
Health Care
Solutions**

**Advanced
Nutrition**

Biosecurity



**Science
for a
Better Future**



PAUL VET HEALTHCARE (P) LTD.



Paul Vet Healthcare (P) Ltd was incorporated in 2001 with marketing tie up with a leading Indian Animal Healthcare Company. We've grown to be trusted by leading customers of poultry industry. Why? Well we're easy to work with because we're flexible, relaxed and we believe in blending creativity and productivity with being 100% dependable.

Now we are a multi-product, multi-faceted company, catering to a wide spectrum of Animal healthcare needs. We are having a vision to deliver effective, qualitative and safe healthcare products through stringent quality control to our respected customers.

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Complete
Liver
Tonic

Nucleotides

Chelated
Trace
Minerals

Essential
Amino
Acids

Vitamins

Electrolytes

BONTON[®] FORTE

BONTON FORTE

THE ULTIMATE COMPLETE ESSENTIAL NUTRITION ENHANCER

IDEAL PROFILE OF ESSENTIAL AMINO ACIDS

Protein plays a crucial role in almost all biological processes and amino acids are building blocks of it. Amino acids are used for structural development i.e. development of muscles. Amino acids are needed by the birds for optimal growth and performance. These essential amino acids must therefore be fed, in order to supply building blocks needed in the synthesis of body proteins, thereby supporting growth. At any given physiological stage of growth or age, a specific amino acid profile is needed to support the optimal growth. To minimise Nitrogen excretion, the ideal combination of essential amino acids is needed to meet growth and/or egg production of the bird.

BONTON FORTE provides right balance and profile of essential amino acids, which helps in optimum growth and productivity.



RIGHT BALANCE OF MINERALS, VITAMINS AND ELECTROLYTES

Calcium and phosphorus are essential nutrients involved in many biological processes. Insufficient supply of one or both minerals results in reduced growth rate and bone mineralisation. Moreover calcium and phosphorus deficiencies in fast growing broiler line can lead to skeletal abnormalities, which lead to lameness and increased morbidity and mortality.

Chelated minerals are better absorbed by the body, have increased stability and greater bio availability.

Iron, Zinc and Manganese have positive effect on live weight gain and FCR.

Balance of electrolytes is essential for normal functioning of cells and organs. This helps in proper growth and weight gain ultimately.

Chelated minerals and electrolytes in BONTON FORTE play an important role in improving and maintaining productivity effectively.

**MINERALS
TRACE MINERALS
VITAMINS
ELECTROLYTES**



Effect of BONTON FORTE on weight gain, FCR & mortality

				Treatment Group	
Shed	No. of birds	Average Age	Average weight in g	FCR	Mortality %
Shed 1	534	35 days	2117	1.56	3.58
Shed 2	561	35 days	2098	1.58	3.42
				Control Group	
Shed 3	602	35 days	1969	1.62	3.84
Shed 4	619	35 days	1971	1.64	3.97



The liver contains great functional reserve capacity, which is very important in birds subjected to high production requirements. Particularly in broilers, the liver has to cope with many challenges.

The liver in a chicken has several significant functions, including bile secretion, metabolism of carbohydrates, lipids and proteins, gluconeogenesis as well as several other metabolic functions, like storage of iron, storage of vitamins, blood coagulation, conjugation and excretion of steroid hormones, detoxification of poisonous substances, maintenance of hormonal balance, resisting infection and removal of ammonia from the blood.

When the liver is affected due to any reason, efficiency of liver comes down in detoxification and metabolic processes. This in turn affects the overall performance of the bird, whether it is broiler, layer or breeder.

Experts recommend a complete liver tonic which contains liver stimulants, Tricholine citrate, Inositol, Vitamin B₁, B₁₂, Biotine and Vitamin E.

BONTON FORTE contains all these essential ingredients.



SOURCE OF NUCLEOTIDES

Nucleotides are part of DNA and RNA and are needed for the reproduction or multiplication of living cells. Stress associated with high productivity decreases the replication of special and crucial white blood cells.

During the time of extraordinary demand such as growth, reproduction, environmental changes or challenges, combating disease, trillions of additional nucleotides must be readily available for cell proliferation. This increased necessity together with the relatively slow supply of the nucleotides by the birds itself may result in the need for extra nucleotides added directly to the feed.

The added nucleotides facilitate an accelerated immune response. Unfortunately cells of the immune system lack the potential to synthesise nucleotides themselves.

Yeast extract is the best source of nucleotide. Yeast extract in BONTON FORTE provides the necessary supply of nucleotides in order to improve the immune response and ultimately the productivity.





COMPOSITION

Each 10 ml contains :

• Tricholine Citrate	2050 mg
• Inositol	15 mg
• Biotin	10 mcg
• Vitamin E	30 mg
• Vitamin B1	2.50 mg
• Vitamin B12	1.20 mcg
• Liver Extract	225 mg
• Yeast Extract	200 mg
• Lysine	120 mg
• Methionine	150 mg
• Glycine	35 mg
• Arginine	83 mg
• Aspartic Acid	74 mg
• Threonine	46 mg
• Serine	72 mg
• Phenylalanine	60 mg
• Glutamic Acid	215 mg
• Alanine	36 mg
• Proline	140 mg
• Valine	79 mg
• Histidine	32 mg
• Isoleucine	76 mg
• Tyrosine	64 mg
• Tryptophan	16 mg
Chelated Minerals :	
• Calcium	50 mg
• Phosphorus	25 mg
• Iron	3 mg
• Zinc	10 mg
• Manganese	21 mg
Electrolytes	
• Sodium Chloride	50 mg
• Potassium Chloride	50 mg
• Sodium Bicarbonate	30 mg
• Sodium Citrate	17 mg
• Sodium Acid Phosphate	15 mg
• Magnesium Sulphate	10 mg

FEATURES

- Tricholine Citrate – Useful in fatty infiltration and cirrhosis of liver.
- Increases phospholipid turnover in fatty liver. Nervine stimulant.
- Inositol, Biotin – Better utilisation of fat. Prevents perosis.
- Vitamin B₁, B₁₂ – Rejuvenates/ Regenerates the liver cells.
- Maintains tonicity of muscle wall of digestive tract and promotes the absorption of nutrients.
- Vitamin E – Natural defence against free radicals causing cell damage.
- Yeast extract – Provides Nucleotides, the building blocks of DNA and RNA.
- Lysine, Methionine and other Amino acids – Building blocks for immune cells and tissues.
- Organic Minerals – Helps in maintaining perfect health, egg production, weight gain and hatchability.

BENEFITS

- Prevents fatty liver syndrome and other liver disorders.
- Prevents liver from mycotoxins and other toxin related problems.
- Regenerates damaged hepatocytes and thus improves egg production, body weight and feed efficiency.
- Boosts the fertility and hatchability in breeders.
- Helps in quick recovery from diseases and stress conditions.
- Provides synergistic effect during antibiotic therapy.
- Helps to perform to genetic potential.



- DOSAGE :**
- Broilers : 10 ml /100 birds / day from seventh day onwards.
 - Layers : 15 ml /100 birds
 - Breeders : 20 ml /100 birds
- or as recommended by the veterinarian.

Presentation : 1 litre Bottle & 5 litre Jar



**Protimix®
Biomos
WS**

PROTIMIX-BioMos (WS)

**PROTIMIX-BioMos (WS) is a blend of most advanced spore forming probiotics
Bacillus subtilis and *Bacillus amyloliquefaciens*
with natural prebiotics and performance enhancer.**

PROTIMIX-BioMos (ws) provide natural nutrition to support microflora, synthesizing immune cells and play important role in improving immunity and prevent immunosuppression in live stock, thereby maximizing performance and profitability.

In GIT there is a symbiotic relationship between favourable microbes and host in which microbes get food and suitable environment and the host acquires protection against some form of diseases. Probiotics are live microbial feed supplement which beneficially affect the host by improving its intestinal microbial balance.

Compatibility of *Bacillus subtilis* and *Bacillus amyloliquefaciens* with acids, antibiotics and anticoccidials have make the product very resistant and ensures it will reach the GIT with optimum moisture and nutrient conditions. The spore germinates and begins to exert their benefits. Enzymes mainly proteases and amylases, benefitting the birds. Besides *Bacillus subtilis* and *Bacillus amyloliquefaciens* can produce lactic acid in the intestinal lumen, which lowers the pH of the intestine and make the surroundings inhospitable for the proliferation of the pathogens. It also produces a bacteriocine called barnage, a ribonuclease that inhibit the growth of pathogenic bacteria. Immuno-enhancing compound build strong immunity by synthesising immune cells. The combination of these effects contribute in controlling the intestinal pathogenic population and improves feed conversions.

BENEFITS :

- Control the growth of pathogens in GIT
- Helps in uniform growth
- Improves immunity
- Improves FCR

ADMINISTRATION :

Pack : 1 Kg.

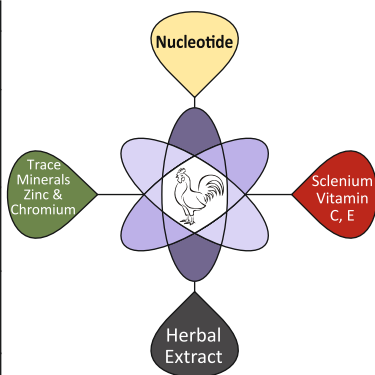
- In Chicks 1 g in 1 lit water from day old to 14 days.
- Broiler/Grower/Layer/Breeder 1 g in 10 lit water for 5 - 7 days.

VEDAMUNE®

Elevate Immunity Naturally

Modern age poultry is exposed to several pathological challenges and make them prone to infection, if innate as well as adaptive immunity are not optimum at early stage of life. At an early chick stage, to stimulate immune system, there is need of several nutrients which accelerate development of first line as well as second line immune defensive mechanism of the birds. VEDAMUNE is a blend of all essential nutrients along with herbal extracts to stimulate body defense system to develop innate as well as acquire immunity against all common pathogens.

Immunomodulator	Functions
<i>Nucleotides</i>	Helps to multiply immune cells to differentiate into antibodies
<i>Selenium & Vitamin-C, E</i>	Scavenges free radicals and reduces oxidative stress on macrophages. Thereby improves phagocytic power of macrophages
<i>Zinc</i>	Zinc helps in production of SOD and reduces oxidative stress on highly proliferating immune cells
<i>Chromium</i>	Reduces oxidative stress on tissues and keeps tissues free from oxidative inflammatory reaction
<i>Herbal extract like Amla etc.</i>	Natural source of vitamin C and there by improves respiratory immunity



BENEFITS:

Improves cellular as well as humoral immunity of the birds. Accelerates innate as well as acquired immune reaction of the body. Helps the birds to be immunocompetent at early stage and reduces chances of infective outbreaks at later stage of life. Improves vaccine reaction while used during priming stages.

VEDAMUNE on weight gain, FCR & mortality

	Shed	No. of birds	Average Age	Average weight in g	FCR	Mortality %
Treatment Group	Shed 1	40	35 days	2125	1.55	3.48
	Shed 2	70	35 days	2103	1.56	3.50
Control Group	Shed 3	60	35 days	1968	1.61	3.86
	Shed 4	80	35 days	1972	1.65	3.95

INDICATION:

At early stage from day old till 7 days of age. It is also recommended to use at around high diseases challenge periods especially in 3rd and 4th week of age when viral infections like VVND are quite common. It is also recommended to use during immune compromised conditions

USAGE RECOMMENDATION:

1 ml per 2 liter of water or as recommended by veterinarian.

PRESENTATION

1Ltr. Only

COLIDOMIX[®]- WS

COMPOSITION

Each Kg contains:

Doxycycline HCL	:	4.00%
Levofloxacin HCL	:	5.00%
Ciprofloxacin HCL	:	5.00%
Vitamin B2	:	100.00 mg
Vitamin B12	:	5.00 mg
Clacium D Pantothenate	:	100.00 mg
Probiotic Premix	:	Combination of
<small>(Lactobacillus Plantarum, Lactobacillus bulgaricus, Lactobacillus Casei, Lactobacillus Acidophilus, Bifidobacterium Bifidum, Streptococcus Thermophilus, Streptococcus Faecium, Saccharomyces Boulard, Torulopsis</small>		
Excipient	:	Q.S.

Doxycycline belongs to the group of tetracycline antibiotics. All tetracycline has broad spectrum of activity which includes Gram-positive and Gram-negative bacteria, rickettsia's, mycoplasmas, and spirochaetes. Doxycycline tends to be more active against some of these species than other tetracyclines. It is primarily a bacteriostatic antibiotic and has its main mechanism of action on inhibition of protein synthesis. The potency of doxycycline is not less than 880 IU/mg. After oral administration, doxycycline is rapidly and well absorbed from the gastrointestinal tract. Following absorption through from various routes of administration, doxycycline is widely distributed in the body with highest level in kidney, liver, bone and dentine.

Levofloxacin hydrochloride has the effects of anti-inflammation, sterilization, anti-virus, heart strengthening, cough relieving and allergic reaction resistance, can be used for improving the anti-disease immunity of poultry, repairing injured mucous membrane, and effectively controlling secondary infection, and has an effective treatment effect to respiratory diseases of poultry.

Ciprofloxacin (Cipro) is a broad-spectrum fluoroquinolone antibiotic that is used to treat a variety of bacterial infections. It has good activity against most gram-negative bacteria, including Enterobacter, E.coli, Klebsiella, Pasteurella, Proteus, Salmonella, and sometimes Pseudomonas. It also has good activity against some gram-positive bacteria (Staphylococcus).

Vitamin B2 and B12 play supportive role in cursing the problem. Calcium Pantothenate is the calcium salt of pantothenic acid and is used in a combination with other vitamins to treat vitamin deficiency conditions.

Probiotic Premix a live microbial feed supplement which beneficially affects the host animal by improving its intestinal balance. It helps to support birds' health, performance, and growth.

INDICATIONS

- For treatment of gastrointestinal infections caused by colistin sensitive bacteria, like E.coli, Haemophilus and Salmonella.
- To prevent bacterial diarrhoea.
- To prevent Necrotic Enteritis and CRD
- To improve growth and feed efficiency.

DOSAGE AND ADMINISTRATION :

In case of prevention - 1 g in 4ℓ Water.

In case of outbreak - 1 g in 2ℓ Water

PRESENTATION : 200 g

COMPOSITION:

Each 100 g contains-
Tylosine Tartrate
Excipients

62.50%
Q. S.

INDICATIONS :

- For the control of mortality caused by necrotic enteritis associated with clostridium perfringens in broiler chicken.
- As an aid in the treatment of Chronic Respiratory disease (CRD) associated with *Mycoplasma gallisepticum* in broiler and replacement chicken.
- For the control of CRD associated with *Mycoplasma gallisepticum* at the time of vaccination.
- For the control of CRD associated with *Mycoplasma synoviae* in broiler chicken.

Macrolides are a group of drugs where activity stems from the presence of macrolide ring to which one or more deoxy sugars are attached. Tylosine belongs to this class. Although a lot of antibiotics tend to suppress the immune system, macrolide antibiotic have been reported to enhance the immune system when used in chicken. Tylosine has a broad spectrum activity against Gram positive organisms and limited range of Gram negative organisms. Tylosine has a bacteriostatic effect on susceptible organisms, caused by inhibition of protein synthesis through binding to the 50S subunit of bacterial ribosome.

DOSAGE & ADMINISTRATION

Prevention : 1g/3 ℓ of drinking water for 3-4 Days
Curative : 1g/1ℓ of drinking water 4-5 Days or as directed by Veterinary Practitioners.
In Feed : 100-150 g per tone of feed

PRESENTATION

100 g



WS-Wincox[®]

The Effective Anticoccidial

COMPOSITION:

Each Gram Contains:

- Amprolium BP (Vet.) 20% w/w
(As Hydrochloride)
- Sulphadimidine BP (Vet.) 20% w/w
(As sodium salt)
- Excipients Q.S.

USES:

WS-Wincox is an anticoccidial for treatment and control of coccidiosis in poultry. This combination is developed to take the advantage of the synergistic benefits of the two chemicals against a mixed infection of *Eimeria acervulina*, *Eimeria maxima*, *Eimeria necatrix*, *Eimeria tenella*, *Eimeria brunette* at relatively safe levels of each drug by itself.

MODE OF ACTION:

Amprolium acts by inhibiting thiamine (Vitamin B1) uptake by parasites. Rapidly growing coccidia have a high requirement of thiamine. Spectrum of Amprolium has been extended by using it in a mixture with folic acid antagonist Sulphadimidine. Sulphadimidine is also a competitive antagonist of PABA, which stops metabolism of protozoa and other gram positive & gram-negative bacteria those are responsible to aggravate the disease. Amprolium has been combined with Sulphadimidine, to extend their activity spectrum and to improve efficacy against Amprolium-resistant *Eimeria* strains.

DOSAGE & ADMINISTRATION

In Feed : 250 to 500 g per ton of feed.
In water : 1 g in 2ℓ of Water
or as recommended by Veterinarian

PRESENTATION

500 G & 100 G



Vitasel-E

ANIMAL FEED SUPPLEMENT

Water Dispersible Supplement Of Vitamin-E, Selenium and Biotin Strengthening the Immune System

COMPOSITION:

(Each 200gm. contains)

Vitamin-E	20 gm
Selenium	200 ppm
Zinc	2.50 gm
Biotin	16 mg
Diluent	Q.S.

USAGE:

Chicks/Growers/Layers:

5 gm/200 birds in drinking water or
150-250gm/tonne of feed

Broilers/ Breeders:

10 gm / 100 birds in drinking water

SPECIAL FEATURES

- Prevents Encephalomalacia Exudative, Diathesis and Nutritional Muscular Dystrophy.
- Enhances detoxification and potentiation of immune response.
- Acts as an antioxidant and free radical scavenger reducing oxidation stress.
- Improves fertility & hatch ability.
- Assist antibody formation and antibody response to antigen.

200 g



ANIMAL FEED SUPPLEMENT

COMPOSITION (each 10 gms provide) :

Ciprofloxacin	- 500 mg.
Tinidazole	- 600 mg
Vitamin B2 (chilled)	- 1 mg.
Vitamin B12 (chilled)	- 2 mcg.

ADVANTAGES

POULTRY- Very effective for fowl cholera, fowl typhoid, CRD, Necrotic Enteritis gangrenous dermatitis, non specific mortalities, chronic production drops, poor growth, etc.

FISHERIES

1. Prevents & controls all kind of bacterial diseases.
2. Improves growth & body weight.

INDICATIONS	DOSAGE (in drinking water)
For prevention of early chick mortality	2 gm. in 5 ltr. for 3 to5 days
Stress Condition	2 gm. in 5 ltr. for 3 to5 days
During bacterial enteritis	4 gm. in 8 ltr. for 3 to5 days
During severe outbreaks	8 gm. in 8 ltr. for 3 to5 days

100 g

500 g

VITASEM[®]

MULTI VITAMIN TONIC

COMPOSITION :

Each 5 ml/ Provides :-

- Vitamin A : 250, 000 I.U.
- Vitamin D3 : 25000 I.U.
- Vitamin E : 150 I.U.
- Vitamin C 500 mg.

Features:

- Vitamin A-Prevents xerophthalmia, helps in maintaining strong epithelium, prevents mortality and improves egg production.
- Vitamin D- Helps in skeletal development and normal absorption and metabolism of Calcium and Phosphorous.
- Vitamin E- Prevents encephalomalacia, exudative diathesis and muscular dystrophy.
- Vitamin C- Improves liveability during heat stress, works as antioxidant, improved immunity and stimulate growth.

BENEFITS :

- Improved body resistance • Improved liveability • Normal growth
 - Prevents leg weakness • Normal skeletal development
 - Removes stress • Improved productivity

ADMINISTRATION

Poultry: for 100 Birds

- 5 ml for Chicks.
- 7.5 ml for Growers.
- 10 ml for layers.

PRESENTATION

1000 ml



Protimix

POULTRY FEED SUPPLEMENT

PROTIMIX is a power pack of various Amino Acids of vegetable with vitamins & probiotics which play a vital role in poultry production

Composition :

Histidine, Isolucine+Luciene, Lysine+Alanine, Methionine+Cystine, Phenylalanine+Tyrosine, Threonine, Valine+Glycine, Aspartic acid, Serine Glutamic Acid, Proline Arginine, with Vitamins & Probiotics.

Usages of PROTIMIX :

- 1) PROTIMIX @10gms/100chicks for 3 to 4 days through drinking water after any type of outbreak to improve the feed consumption and the FCR.
- 2) In Gout PROTIMIX @1kg/ton of feed along with maize to help in providing the essential amino acids to maintain the normal growth rate in boilers.
- 3) PROTIMIX @1kg/ton feed as a Bio-surfactant with an additional property of essential amino acids, when oil is used in the feed as an energy source.

Advantages of PROTIMIX :

It is a ready source of essential amino acids. It is a source of simplified protein, it will help in saving the energy to digest the protein to amino acids.

Precaution :

Store PROTIMIX in cool and dry place. While giving PROTIMIX through water, don't add PROTIMIX to the overhead tanks, as it will chock-up the pipe lines. When PROTIMIX is to be given through water, prepare the solution separately and distribute to the drinkers directly.

PACKING - 1 KG



Electroplex

ORAL POWDER FEED CONCENTRATE FOR REHYDRATION THERAPY

COMPOSITION (Each 100gm contains) :

Potassium Chloride	3.5 gm
Sodium Bi Carbonate	1.0 gm
Sodium Citrate	2.5 gm
Calcium Lactate	1.1 gm
Magnesium Sulphate	1.2 gm
Vitamin C (Coated)	1.0 gm
Sodium Chloride	1.75 gm
Dextrose Anhydrous	40.0 gm
Base	Q.S.

INDICATIONS :

To maintain the electrolyte balance in the body and as an oral rehydration therapy in all animal and birds as an ancillary treatment and adjuvant therapy in dehydration which results due to :
Dysentery and Diarrhoea
Haemorrhage
Vomiting
Deworming
Summer stress and fatigue

DOSES :

POULTRY : Add and dissolve 100 gm. of Electroplex powder in 4 liters of drinking water to administer daily for 4-5 days for 500 Laying Hens/Growers OR 1000 Broilers/Layers/Chicks.

CALVES AND DOGS : 10-20 gm twice a day in drinking water for 4-5 days.

CATTLE AND HORSES : 50-100 gm twice a day in drinking water for 4-5 days.

PRESENTATION :

Electroplex is available in 1 kg. triple laminated packs.
Shipper Packing : 1 kg. x 20 in corrugated box.

More
Eggs

Enhanced
Ovulation

More Chicks



Bonton[®]-Ova Gold

Bonton[®]-Ova Gold



Bonton-Ova Gold is a unique poultry feed supplement for promoting and sustaining ovarian follicular growth and improving spermatogenesis in breeders. Bonton-Ova Gold obstruct the action of hormone oestrogen. This obstruction escalate the level of two hormones FSH and LH which is essential for effective ovulation.

FSH is one of the gonadotrophic hormones released by pituitary gland responsible for follicular growth. FSH causes the eggs in the ovaries to ripen, ready for release.

LH heavily control the health of Reproductive system. It is responsible for release of an healthy eggs from overy during ovulation. This helps in increased laying percentage and extended duration of peak laying period.

- **Follicle-Stimulating Hormones** • **Luteinizing Hormones**

Dosage: For non laying birds 1gm per 10kg body weight For 15 days

Laying birds: 1 gm per 20 kg body weight for 15 days.



GOUTGO POWDER

GOUTGO

Powder

A UNIQUE FORMULATION TO CONTROL GOUT IN POULTRY

Gout is a condition in which kidney function decreases to the point where uric acid accumulates in the blood and body fluids. Avian Gout is a metabolic condition where abnormal accumulation of white chalky uric acid or urates occurs in soft tissues of various organs of body. Gout is commonly observed in chicken as they are uricotelic and lack the enzyme uricase. Gout may be visceral or articular form.

Goutgo is a uricosuric agent. It increases excretion of uric acid by blocking tubular reabsorption of urates. It also brings down uric acid level in serum.

GOUTGO :

- Inhibit the oxidation of hypoxanthine and xanthine to uric acid.
- Lower serum and urine uric acid level.
- Increase the excretion of hypoxanthine and xanthine in urine.
- Prevents the intra articular release of mediators of inflammation ,which aids in curing articular gout.
- Helps dissolve tophi and prevents uric acid deposits in joints.

DOSES :

First day 1g/5 kg body weight

Second day onwards- 1g/8kg body weight

Whole medicated water should be consumed within 2 to 3 hours. Concurrently plenty of water should be given till the control of hyperuricaemia is achieved.



®

RESPICARE

Respicare is a herbal preparation for cough, cold, coryza, bronchitis and other respiratory tract infections like CRD. Upper respiratory tract infection is very common which leads to lower respiratory tract infection causing damage to vital organ like lung, which is more serious, causing distress to the bird leading to severe production losses. RESPICARE is an herbal preparation containing several important herbs, which plays a vital role to overcome respiratory infections.

COMPOSITION

Each 100 ml contains aqueous extract of the following herbs :

Ingredients	Potency/weight gm. (per 100 ml)
Adhatoda Vasica	6
Ephedra Geradiana	3
Hedychium Spicatum	3
Solanum Xanthocarpum	3
Achorus Calamus	1
Abies Webbiana	1
Calotropis Procera	1
Pistacia Integerrima	1
Zingiber Officinialis	1
Piper Nigrum	1
Piper Longum	0.5
Ocimum Sanctum Ext.	0.5
Cassia Occidentalis	3
Sassurea Lappa	2

Potential ingredients in Respicare relieves respiratory tract congestion completely as it works as mucolytic, bronchodilator, antiviral, antibacterial, antimicrobial, antihistaminic, antiinflammatory specially on lungs and airways, lung purifier, respiratory tonic, antiulcerogenic, antispasmodic, expectorant, analgesic and tranquiliser.

Dose for 100 birds- Chicks 5 ml, Growers and Layers 10 ml and Breeders 15 ml.

Win over respiratory tract infections with RESPICARE

PACKING - 1 lit., 5 lit., 30 lit.

HEPTOGIN[®] FORTE

Introducing “L-ornithine L-aspartate with silymarin“ First time in india in poultry industry.

- ♦ L-ornithine L-aspartate & Silymarin in heparis acts synergistically protects, rejuvenates and regenerates Liver dynamically.
- ♦ L-ornithine L-aspartate stimulates the urea cycle by stimulating the enzyme carbamoyl phosphate synthetase & ornithine transcarbamoylase. Aspartate enters the urea cycle after citrulline is formed and provides the second amino acid required for urea synthesis. Also stimulates glutamine synthesis and decreases ammonia level.
- ♦ Silymarin is a potent natural antioxidant, Which prevents liver damage caused by free radicals.
- ♦ Silymarin prevents hepatic lipid peroxidation.
- ♦ Silymarin Stimulates the protein synthesis and helps in the production of new liver cells to replace the damages old ones.
- ♦ Heptogin Forte also contains the essential nutrients as ideal synergistic agents to strengthen various hepatic functions & to maximize production.
- ♦ Heptogin Forte contains tricholine citrate which mobilize fat from liver making liver healthy.
- ♦ Heptogin Forte contains different herbs. Which are time tested and invaluable. Reference of these herbs as liver corrective can be found in Ayurveda. Which is of great value even today also.
- ♦ Heptogin Forte contains extracts which are Antioxidant and immunostimulant.

COMPOSITION

Each 100 ml contains	
L-Ornithine, L-Aspartate	100 mcg
Silymarin	1000 mg
Tri Choline Citrate	15000 mg
Liver Extract	8000 mg

Yeast Extract	6000 mg
Vitamin B12	1000 mcg
Niacin	1000 mg
DL Panthenol	30 mg
Inositol	250 mg

With Herbal Extracts of: Phyllanthus Niruri, Andrographis Paniculata, Tinspora Cordifolia, Picrorrhiza Kurroo, Eclipta Alba.

INDICATION:-

- ♦ Protects liver against toxins.
- ♦ Rejuvenate liver.
- ♦ Improves metabolic functioning.
- ♦ Improves birds/animal performances.
- ♦ Minimize & prevent liver damages.
- ♦ Prevent fatty changes of liver.

BENEFITS:

- ♦ Prevents liver damage from mycotoxins & bacterial toxins.
- ♦ Prevents liver damage due to pesticide residues like CCl₄, BHC, etc.
- ♦ Minimize liver damage due to pathogens like virus, bacteria & fungi
- ♦ Improves liver secretions for better digestion
- ♦ Enhances immunity
- ♦ Facilitates faster recovery from stress & diseases of all types
- ♦ Maintains flock immunity
- ♦ Prevents production fluctuation
- ♦ Improves growth, FCR, fertility & hatchability

DOSAGE

Breeders/Layers : 20ml/100 birds as week a month programme
 Broilers : 10ml/100 birds from 2nd to 3rd week, 20ml/100 birds from 4th week onwards

In case of acute Liver damage dosage should be doubled.

PACKING : 1 litre, 5 litre, 25 litre



THE ULTIMATE CONTROL

NOT FOR HUMAN USE - FOR ANIMAL USE ONLY

TRUKON S is the ultimate disinfectant formulation to meet the right standard for farm bio security with powerful proven performance against over 500 strains.

COMPOSITION

Potassium Salts of Peroxygen compound : 50% w/w
 Sodium Chloride Organic Acids, Surfactants: 1.5% w/w
 Buffer & Excipients : q.s. To 100%
 Colour : Amaranth

SPECIAL FEATURES

- Non corrosive. No environmental residue problems, exceptionally low toxicity.
- Safe water sterilant.
- Suitable for manual and machine application.
- Can be used in all types of farms, hatcheries and processing plants.
- Safe for use with all types of animals and birds.

TRUKON S is convenient for:

- Equipment • Aerial disinfection
- Vehicle • Water delivery system
- Surfaces

Organic challenge threatens serious problem to the efficacy of other disinfectants, whereas "TRUKON S" provides assurance against all challenge.

Mode of action-

"TRUKON S" oxidises sulphur bonds in proteins and enzymes, disrupting the function of the cell membrane causing rupturing of the cell wall.

DILUTION CHART

Quantity of Disinfectant solution required	Dilution rate required			
	1:100	1:200	1:500	1:1000
	Quantity of "TruKon S" required			
	1:100	1:200	1:500	1:1000
10 L	100g	50g	20g	10g
20 L	200g	100g	40g	20g
50 L	500g	250g	100g	50g

USAGE

Use	Dilution Rate	Application Rate
Terminal Virus Control	1:100	200-300 ml/m ²
Cleaning & Disinfecting Equipment	1:200-1:100	300-400 ml/m ²
Sanitizing & Disinfecting Equipment	1:400	
Continuous Water Sterilization	1:1000-1:500	
Fogging	1:100	Apply 1L of solution per 100m ³
Aerial Disinfection	1:200	Apply sufficient to fill the atmosphere with a fine mist approx. 1L of solution per 100m ³ of air space

For spray use 5 gms. / ltr. of water (1:200)
 For Sanitizing use 2 gms./ltr. (1:500)

PRESENTATION
 500 Gms & 1 Kg.



AQUAVET-12

MODE OF ACTION

Benzalkonium chloride (ADBAC) in AQUAVET-12 is a cationic surface acting agent, belonging to the quaternary ammonium group. It has 3 main categories of uses, as a biocide, cationic surfactant and phase transfer agent. Being biocide, it deters, renders harmless and exerts a controlling effect on harmful organisms. Phase transfer agent or catalyst quality helps to achieve faster reaction. Because of surfactant quality it helps in dissolving bio films completely.

Harmful algae are a serious concern as they adversely affect the health of birds by producing toxins and lowering the oxygen level.

Benzalkonium chloride in AQUAVET-12 ensures complete removal of accumulated algae layers.

Citric acid in AQUAVET-12 exerts antimicrobial action against aerobic and anaerobic organisms.

Acetic acid in AQUAVET-12 has an excellent bactericidal effect against Gram negative and Gram positive bacteria.

Thus AQUAVET-12 ensures effective and potent action against Bacteria, Virus, Fungi and Algae.

ADMINISTRATION

TYPE	DILUTION	METHOD
For Drinking Water Sanitation	1 ml. per 20 litre of Water	Add into Water Tank
For Cleaning Cooling pads	10 ml. per litre of Water	Add into sump Tank & Circulate for 3 hours
As a General Purpose Cleaner	4-8 ml. per litre of water	Spray
Wetting Agent in Shed Wash Down	5 litre per 1500-2000 litres of water	Spray
For Disinfecting and Descaling Nipple Waterers (in Absence of Birds)	25-50 ml. per litre of water depending on severity of scales.	Allow prepared solution to remain in pipeline for 12-24 hours & then flush
Hatchery Use	8 ml. per litre of water	Spray / Foam / Mop

COMPOSITION :

- ◆ Benzalkonium Chloride solution 12 % V/V
- ◆ Citric Acid 10 % W/V
- ◆ Acetic Acid 2.0 % V/V
- ◆ Inert Ingredients Q.S.

PRESENTATION :

1 litre & 5 litre

TRUMEGAFAT-84

Rumen Protected Fat For Improving Milk Yield, Fertility and General Health

TRUMEGAFAT DRY FREE-FLOWING PRODUCT WITH CONSISTENTLY LARGE GRANULES

- Made by reacting fatty acids and calcium
- Bypass rumen digestion and is broken down in the abomasum to release the fat and calcium for digestion
- Digestibility : up to 96%



KEY BENEFITS OF TRUMEGAFAT:

Improves Milk Yield-

Trumegafat increases the energy supply for milk production.

Improves Fertility-

Improves conception rate by improving body condition. Trumegafat as a source of essential fatty acids to increase reproductive hormones secretion including progesterone, the essential hormone for pregnancy.

	Control Diet	Trumegafat-Supplemented
Conception rate to 1st service (%)	33.50	45.60
Conception rate to 2nd service (%)	28.60	75.25
Pregnancy rate (%)	52.50	86.80

Helps to Maintain Better Health-

Reduce incidence of ketosis in farm, does not cause acidosis as not fermented in rumen. Trumegafat is an ideal energy and fatty acid source to balance ration.

ANALYSIS OF TRUMEGAFAT:

Typical Analysis (%)

Oil	Ash	Calcium	Moisture
84	12.5	9	5
ME 33.3 MJ/kg DM			

Fatty Acid Profile (% of total fatty acids)

C 16:0	C 18:0	C 18:1	C 18:2
48	5	36	9
Saturated		Unsaturated	

Mixing Recommendation: Recommended feeding instruction is 10G/liter of milk production in feed. In feed, mix @0.5 to 1.5% of ration or as suggested by animal nutritionist

Presentation: 25 kg HDPE Paper Bag



Oxybacc

The pond bottom soil and the accumulated sediments are integral part of the ponds. Concentration of nutrients, organic matter and microorganism density is many fold more than fresh water because of anaerobic condition created by depleted oxygen. The accumulation of organic sediments affects pond intensification. The intensive organic matter degradation at pond bottom and high sediment oxygen demand exceeds the oxygen renewal rate. This leads to the development of anoxic conditions in the sediment and at the sediment-water interface. The series of anaerobic processes affects the redox potential of the pond water and ultimately a large number of potentially toxic material are generated. Among those are organic acids, reduced organic sulphur compounds, reduced manganese and sulphides.

Shrimp, as animal that normally live on or near the bottom, are exposed to conditions on the pond bottom. Exposure to toxic material endangers the well-being of the cultured shrimp. Reduced feeding, slower growth, mortality and possibility of increased sensitivity to diseases are reported.

Oxybacc is a dual purpose product. It relieves stress instantly by providing the required oxygen. Thus prevents the growth of harmful and pathogenic microorganisms. This action of **Oxybacc** helps to check the secondary infection.

FEATURES

- Releases required amount of oxygen
- Restores oxygen level in the pond
- Relieves Shrimp from stress
- Checks the growth of anaerobic bacteria, protozoa and secondary pathogens by creating favourable aerobic condition
- Increases productivity

DOSES AND APPLICATION

500 g / h

PACK

100 g Tablet Form





PHOS-BOND

फॉस-बॉन्ड

General features of blue- green algae-

Blue-green algae affect water quality and promote disease-

Blue-green algae scientifically known as cyanobacteria, are microscopic single-celled organisms that grow naturally in fresh and salt waters. They are not algae, but are a type of bacteria, possessing the ability to synthesize chlorophyll. They act like plants by using sunlight to manufacture carbohydrates from carbon dioxide and water. Blue-green algae have vesicles within their cells that they inflate with gas, thus they have the ability to sink and rise at their will and move to where nutrient and light levels are at their highest. Blue-green algae are advantageous over other algae because of their ability to control buoyancy to access areas of increased nutrients and light.

Blue-green algae produce secondary metabolites i.e. toxins. Maintenance of appropriate water quality is essential in aquaculture farm management to ensure optimal growth and survival of aquaculture species. Poor water quality is linked with disease problems. The decomposition of dead algae consumes large amounts of oxygen and can cause oxygen deficit and increased concentration of toxic ammonia. This in turn kills aquaculture species. Blue-green algae produce toxins which may cause toxic and physical stress to fish/prawns. Blue-green algae produce taste and odour compounds and cause off-flavour problems.

Composition : A unique mixture of natural clay and rare active earth ingredients.

How PHOS-BOND works-

Phos-bond binds up the soluble inorganic phosphate in the matrix of clay. The phosphate is rendered bio-unavailable and can not be used to fuel algal growth. It binds 95% of the Filterable Reactive Phosphorus (FRP) forming an insoluble complex. Once the FRP is bound to PHOS-BOND, it is no longer bio-available for use by algae for assimilation and growth. The reduction of phosphate in aquaculture ponds will promote increased N:P ratio which will promote growth of beneficiary algae, which are natural sources for aquaculture species.

Dosage

Depending upon the colour of the pond water, 20-30 kg/h or as directed by the Aqua culture consultant.

Application

Mix required quantity in water and through proper aeration apply evenly over surface of the pond.

Packing :

10 kg and 20 kg paper bag.





A Very Unique & Performance Enhancing Composition of Cocktail Bacteriophage, Bacteriocin Producing Probiotics Bacillus Subtilis & LAB (For Layers and Breeders)

SOLUTION TO THE PROBLEM: REID-X (24X7)

Bacteriophage is a potential solution for combating AMR. Bacteriophage can be used as alternative to bacterial disease. It is nature's way of preventing bacterial disease. Bacteriophage is a type of virus that eats bacteria.

Bacteriophages destroy host cells by hijacking their machinery & stopping them from producing bacterial components. Eventually they multiply themselves in the host cell leading to lysis of host cells. On the other hand, to promote growth probiotics can play crucial role. Most studies indicate that probiotics display great efficacy in promoting animal growth. Dietary inclusion of probiotics Lactobacillus has been reported to increase body weights and feed to gain ratio when compared to control broilers. Reid-X (24x7) is providing a unique combination of cocktail of bacteriophages, Bacteriocin producing probiotics. Bacillus Subtilis & Lactobacillus. Therefore, Reid-X (24x7) is a complete solution for preventing infections and promoting growth.

APPROACH TO FIGHT BACTERIA

- Phages, are viruses that specifically infect and kill bacteria only.
- They are naturally found everywhere; there are approximately 1031 number of phages in the world.
- There are multiple ways that phages can be leveraged to prevent and treat bacterial infections.
- The primary one is taking advantage of the phage's natural infection life cycle, to kill bacteria quickly upon contact.
- With the advancement of biotech, people are exploiting this further by engineering phages to enhance them in different ways, such as increasing their host range.
- The specificity of phages is a double-edged sword since their narrow spectrum allows for much more nuanced and targeted killing of pathogens, leaving the good bacteria intact.

ADVANTAGES

- Natural defense against bacteria can be used with other feed supplements
- No side effects, no chemicals, and toxins
- Can be used along live vaccines or can be given through drinking water route
- Lactobacillus administration reduced the mortality of the birds which usually arised from pathogen infections.
- Reduce the chances of bacterial resistance
- Economical and easy to use
- Reduce mortality and increase production
- It has prophylactic and post infection interventional effect
- Reduce ammonia, enteritis, and loose dropping Improves litter conditions
- Can be stored in room temperature

USAGE: FOR LAYERS & BREEDERS 20g pack/ 500 ltrs of drinking water continuously for 7 days **(24x7) in every month.**

Use it through out the birds lifecycle. Do not use water sanitiser & acidifier.

PRESENTATION: 20 Gram X 20 Pouches



Cocktail Bacteriophage, Bacteriocin producing probiotics, *Bacillus subtilis* and LAB

- Prevention programme to control pathogenic Bacterial load in water and pathogenic infections with in the flock use Reid-X-BLU in daily drinking water at the rate of 1 scoop in 500 ltr of water continuously right from day one of the birds life cycle up the liquidation of the flock, without using water disinfectants, acidifiers and antibiotics.
- In Viral and bacterial outbreak were Reid-X-BLU is not used as a preventive measure, **it can be successfully used to control the problem instead of using antibiotics**, at the similarly dose mentioned above for 7 days, the usage can be continued up to the liquidation of the flock.
- In case of CRD problems, Redi-X-BLU can be used as an aerosol spray at the dose of 1 scoop in 5 ltr of water.

Vaccines and other feed supplements can be used as per the regular schedule along with Reid-X-BLU.

PRESENTATION: 1 Kg pack for 2500 birds.

2 Kg pack for 5000 birds.



NOVATYL[®]



COLIDOMIX[®]- WS

VEDAMUNE[®]
Elevate Immunity Naturally



BONTON[®] FORTE

GOUTGO POWDER

TRUCIP[®] TZ



VITASEM[®]



TRUMEGAFAT-84
Rumen Protected Fat For Improving Milk Yield, Fertility and General Health

Reid-X^{BLU}
For Broiler



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