

POULTRYLINE



Readership — Poultry Wide

VOLUME - 22

ISSUE - 6

ANNUAL SUBSCRIPTION RS. 500/-

JUNE 2022

Rs. 50/-

**LUMIS
ENZYMES**
www.feedenzymes.com

Lumis offers unique single and customized multi-enzyme products that provides the customers flexibility to choose alternate economical raw materials while ensuring efficient digestion and optimum nutrient availability thus reducing the feed cost.

POWER OF CUSTOMIZED ENZYMES



Phytase

Xylanase

Mannanase

Protease

Amylase

Pectinase

Beta-glucanase

Galactosidase

Lipase

Cellulase



info@feedenzymes.com



MINTREX
BIS-CHELATED TRACE MINERALS

Trust Forms The Core Of Our 'BONDS'...

When it comes to setting higher benchmark of performance as compared to other chelated mineral sources; producers across the world spread over 100 countries, trust MINTREX®.

MINTREX® is the only globally available bis-chelate where one molecule of metal is attached to two molecules of HMTBa (2 hydroxy-4-methylthio-butanoic acid) by strong bonds. The unique, stable and neutrally charged structure of MINTREX® minerals lead to higher absorption, bioavailability and production performance as compared to other mineral sources. The uniqueness of MINTREX® minerals has been recognized by various international bodies like EU and AAFCO by classifying them as a distinguished class of minerals.

Zn

80% Methionine Value

CU

78% Methionine Value

Mn

76% Methionine Value

Building 'BONDS' Stronger

www.novusint.com



***TMO Plus**

(For 'Trace Mineral Optimization' in Poultry)

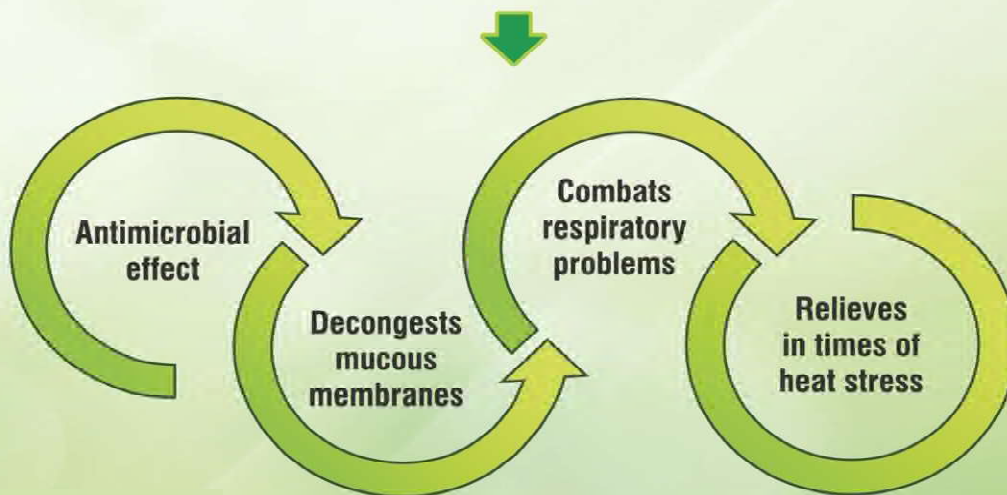
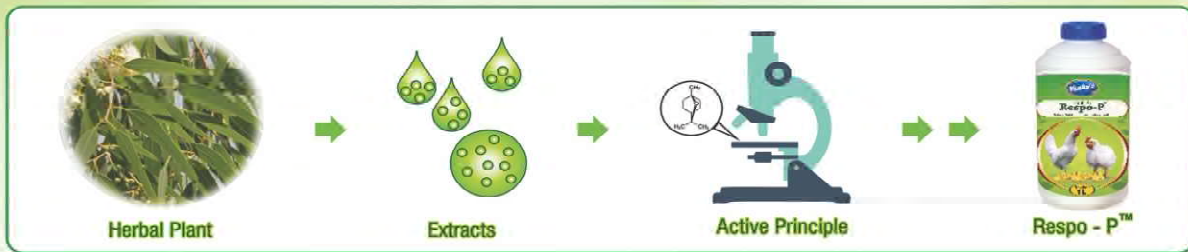
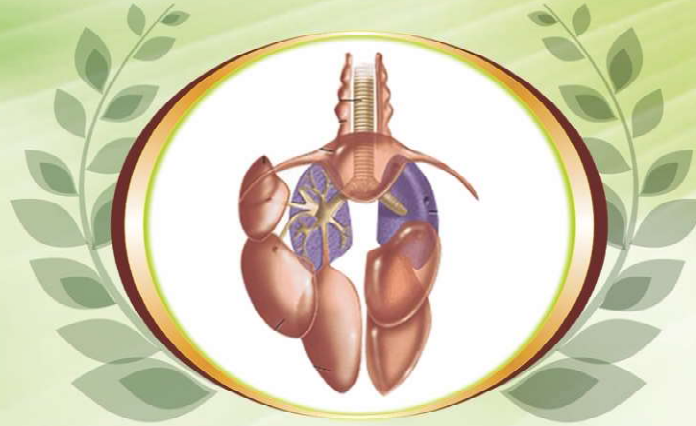
*TMO Plus standard premix from Novus® contains MINTREX® minerals as source of Zn, Cu and Mn. *Novus® and MINTREX® trademarks of Novus International and are registered in the United States and other countries. 2022 Novus International, Inc. All rights reserved.

NOVUS
SOLUTIONS SERVICE SUSTAINABILITY™

रेसपो-पी
Respo-P™

Natural Solution for respiratory health

*The cool answer for respiratory problem
Respo-P™ is blend of proven, safe and excellent quality of Phytochemicals.*



Respo-P consist of Synergistic combination of selective Phytochemicals with mucolytic, bronchodialator and immuno- modulatory properties.

For further information please contact :

VENKY'S (INDIA) LIMITED
ANIMAL HEALTH PRODUCTS DIVISION

An ISO 9001 Certified Company

"Venkateshwara House", S.No.: 114/A/2, Pune - Sinhadag Road, Pune - 411 030 (India)
Tel : +91- 20-24251803 Fax : +91-20-24251060 / 24251077 www.venkys.com e-mail : ahp@venkys.com

The RIGHT FEED



Suguna Broiler Feed



- ✓ Better Livability
- ✓ Faster Growth
- ✓ Better FCR

PBS | BS | BF | BC 7.5% | BC 10%
BC 35% | BC 40%



Suguna Layer Feed



- ✓ Better Livability
- ✓ More Eggs
- ✓ Lowest Feed Cost

LSC | LCC | LGC | LLC | LC 35% | LC 40%



Suguna Country Chicken Feed



- ✓ Balanced Feed
- ✓ Rich in Nutrients
- ✓ Better Weight Gain

CCS | CCF | CCBP



For Trade Enquiries: 96504 37700 | www.sugunafoods.com





SEARCH OF
Best Non AGP
HALQUINOL
CHLOROXYQUINOLINE
ENDS HERE
From ONE of the WORLD'S
LARGEST MANUFACTURER
{KCPL}

Halquinol
Chlorohydroxyquinoline
98%, 60%, 12.5%

Nutriquinol[®]
3-in-One Versatile Non Antibiotic Growth Promoter



Nutriquinol[®]
ANIMAL HEALTH
Leading Innovation Through Technology
ISO 9001:2015 certified company
and cGMP certified company

NUTRIDIAN ANIMAL HEALTH
A unit of Kanad Chemicals Pvt. Ltd.
12A, Regency Park A, Eden Woods, Pokhran Road No 2, Thane (W) - 400 610.
Please contact us at : Customer Care No.: 0251-2611525
Email : info@nutridian.in • Website : www.nutridian.in • www.kanadchem.com

KCPL
Manufacturer & Exporter
SINCE 1971

PARIVARTAN **GEN** **NEXT**

Building the Future of Poultry with Technology



200 CRORE
INVESTMENT
BY IB GROUP

- **START-UP BUSINESS OPPORTUNITY FOR YOUNG INDIA**
- **FIRST EVER SUCH INVESTMENT SCHEME IN INDIA**
- **GLOBALLY ACCLAIMED NEXT GENERATION POULTRY HOUSING TECHNOLOGY**

25%
INVESTMENT
BY IB GROUP *

3 BEST PLANS TO SUIT YOUR INVESTMENT NEED

SR.NO.	EC HOUSE TYPES	EC HOUSE SIZE	BIRD CAPACITY	PER BIRD COST (₹)*	TOTAL COST	ABW/BIRD (KG)**	MIN GC/KG (INR)***	COMMITTED MIN BATCHES PER YR	ANNUAL EARNINGS	APPROX PAY BACK IN YEARS
1	HOUSE TYPE-1	45'x330'	21,808	475/-	1,03,58,800	2	13	6	34,02,048	3.0 yrs
2	HOUSE TYPE-2	45'x270'	17,654	528/-	93,21,312	2	13	6	27,54,024	3.4 yrs
3	HOUSE TYPE-3	45'x220'	14,192	576/-	81,74,592	2	13	6	22,13,952	3.7 yrs

* Prices are valid until 30th of September 2022 and exclusive of taxes, erection, installation, transportation charges, subject to any revision from the company.

** ABW- (Average Body Weight) as per industry average norms.

*** GC- (Growing Charges) will be revised post completion of every 8 batch based on the electricity charges and labour charges.

BENEFITS FOR INVESTORS

- 25% investment by IB Group.
- 100% interest subvention and Moratorium for 3 years by IB Group.
- Next Generation Globally tested best in class Environment Controlled Broiler House farming technology ROI in first 3 Years.
- Technical Training and hand holding for new startup farmers and all-round the year support with 25years plus IB technical expertise
- Safe Investment with IB Group for business assurance



ABIS EXPORTS (INDIA) PVT. LTD., IB Group Corporate House, Indamara, Rajnandgaon (CG) - 491 441.

Contact : 91 91091 12121 Email : parivartannxtgen@ibgroup.co.in

www.ibgroup.com

Mycofix[®]



Absolute protection

Powered by science to actively defend against multiple mycotoxins*

With 3 combined strategies



ADSORPTION



BIOTRANSFORMATION



BIOPROTECTION

If not us, who? If not now, when?
WE MAKE IT POSSIBLE

*Authorized by EU Regulation 1060/2013, 2017/913, 2017/930, 2018/1568 and 2021/363.



**ANIMAL
NUTRITION
AND HEALTH**

ESSENTIAL
PRODUCTS

PERFORMANCE
SOLUTIONS +
BIOMIN[®]

PRECISION
SERVICES

www.dsm.com/anh

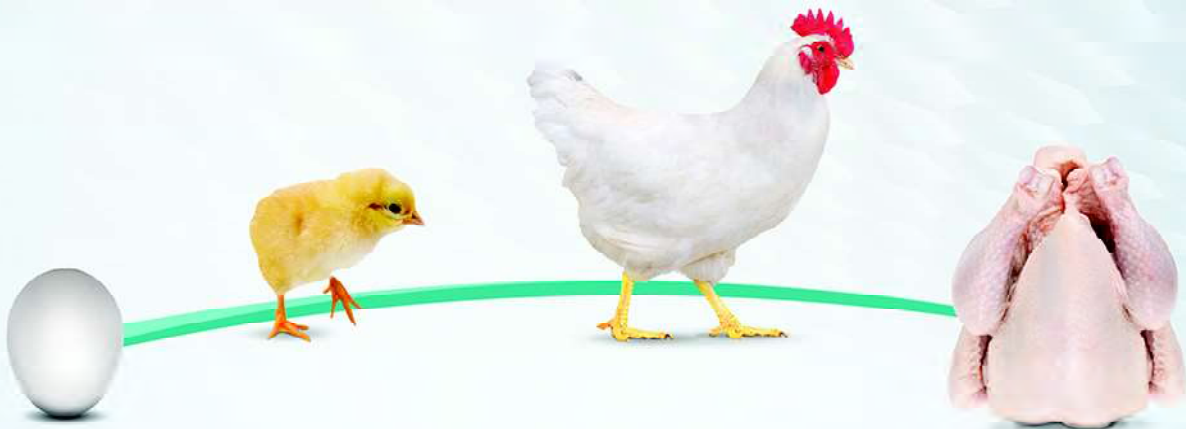
Follow us on:





Now Available
in India

A LIFETIME OF IMMUNITY.



FROM HATCH

TO HARVEST

One single vaccine dose of VAXXITEK® HVT+IBD provides lifelong immunity¹ which leads to healthy birds, better performance and operational profits².
Contact your local Boehringer Ingelheim local representative for more information.

VAXXITEK® is a registered trademark of Boehringer Ingelheim group in United States of America and elsewhere.

1 & 2 Data on file.

Boehringer Ingelheim India Pvt. Ltd.
Unit No. 202 and part of Unit no. 201, 2nd Floor, Godrej 2, Pirojsha Nagar
Vikhroli (E), Mumbai 400079 | Tél.: (+91) 22 71456477



Boehringer
Ingelheim

POULTRY LINE

పావులైన్

Editor : **B. SHIV SHANKAR**
 Associate Editor : **B. KALYAN KUMAR**
 Sub Editor : **R. SHAILESH NAATH**
 Sr. Technical Editor : **Dr. M.A. MUJEEB ATHER**
 Technical Editor : **Dr. MANOJ SHUKLA**

TECHNICAL EDITORIAL BOARD

Dr. P.K. SHUKLA, Jt. Commissioner Poultry, G.O.I., New Delhi.
Dr. J.L. VEGAD, Phoenix Group, Jabalpur.
Dr. V. RAMASUBBA REDDY, Retd. Professor, Agri. Uni. Hyd.
Prof. G. DEVEGOWDA, M.V.Sc., Ph.D., (USA), B'lore.
Dr. D. CHANDRASEKARAN, Prof&Head, Vet.Col.& Res.Ins. Nammakal.
Dr. A.U. QIDWAI, Dy. Director, Directorate of A.H., Badshahbag, Lucknow
Prof. DEVAREDDY NARAHARI, M.V.Sc., Ph.D.Chennai.
Dr. V. KRISHNA RAO, Poultry Consultant, Hyderabad.
Dr. S.V. RAMA RAO, Scientist RJNR, Hyderabad.
Dr. A.K. PANDA, Scientist, PDP, RJNR, Hyderabad.
Dr. B.S. VENKATARAMI REDDY, Prof. & Head, Hebbal, B'lore.
Dr. SUJIT KULKARNI, Sales Director, Biomin Singapore Pte Ltd.
Dr. JYOTI PALOD, Professor, C.V.A.Sc., Pantnagar.
Dr. RAMDAS S. KAMBALE, SBU Head & Chief - AHD - Chembond Chemicals
Dr. S. NANDI, B.V.Sc. & A.H, M.V.Sc., Ph.D., IVRI, Izatnagar, U.P.
Dr. D. SAPCOTA, M.V.Sc. (APAU) Ph.D. (IVRI) Guwahati.
Dr. B.K. SWAIN, M.V.Sc., Ph.D., Ela, Goa.
Dr. NIRANJAN KALITA, M.V.Sc., Ph.D, Professor, Guwahati.
DR. S. K. KHURANA, Associate Prof., COVAS, Palampur (HP)
Dr S K MUKHOPADHAYAY, Asso. Prof.(Vety Pathology) WBUAFS, Kolkata.
Dr SUBHA GANGULY, Scientist, AICRP-PHT, Kolkata Centre.
Dr LOKESH GUPTA, Tech Mgr-Poultry, Alltech India.
DR VIJAY SWAMI, M.V.Sc., A.H., Country Manager, SunHY Biology Co. Ltd.
DRATUL BHAGWANSINGH RAJPUT, DGM, Sales, Optima Lifescience

B. Shiv Shankar - Managing Partner
B. Kishore Kumar - Media Executive
B. Shailajaa - Circulation Manager
J. Upender Rao - Marketing Manager South Telangana
Sathyendranath - Marketing Manager North Telangana
Hari Prasad - Head, Designing Department
P.N. Nithin - Incharge - Photography
K. Raghuramaraju - Publication Consultant (09440231211)

CONTENTS

- Steps needed to dissuade on animals
- Dr Krishna Sahoo 17-18
- Summer Management in Poultry
- Dr.Milind D.Rainchwar 27-28
- Broiler Lifting Rates 30
- Vaccine Delivery in Poultry Industry
- Dixit K. Parasana 35-37
- NECC Egg Rates 38
- KadakhnathChicken Farming in India
- SurajAmrutkar 58-60
- Tackling Earthquakes in Prone Areas
- Gourab Basak 61
- Back yard poultry A Successful ARYA...
- Jyotiprabha Mishra 68-70
- Press Releases
15-16, 23-25, 29, 43-44, 49-53

**Poultry Line may not necessarily
 subscribe to the views expressed in
 the Articles published herein.**

TEJASVI PUBLICATIONS

2-1-444/16, 1st Floor, O.U.Road, Nallakunta, Hyd. - 500 044.
Ph: 040-2761 0027, Cell : 98493 68003, 63096 77047
 www.tezasvipublications.com
 E-mail : tezasvipoultryline@gmail.com
 tejasvi_poultryline@rediffmail.com

INDEX OF ADVERTISEMENTS

Particulars	Page No.	Particulars	Page No.
Animal Wellness Products	10	MSD Animal Health	Title Cover III
ATA Packing Products	37	Natural Remedies Pvt. Ltd.	40 & 41
Avian Life Sciences Pvt, Ltd.	20	Novus Animal Nutrition (India) Pvt Ltd	Title Cover II
Avitech	21	Nutridian Animal Health	3
BhuQuinol	46	NuTech Bio Sciences Pvt. Ltd.	67
Bhu Tox	47	Omega Group	56
Bentoli AgriNutrition India Pvt. Ltd.	33	Optima Life Sciences Pvt. Ltd.	14
Boehringer Ingelheim India Pvt. Ltd.,	6	Poultry consultancy services	18
BPower GLH	57	Provet Pharma Pvt Ltd.	12
Ceva Polchem Private Limited	34	Regen Bio-Corp	54 & 55
CHROMIATE-C	62	Rossari Biotech Limited	11
DSM Nutritional Products India Pvt Ltd.	5	Rovitex Agro Chem	63
Eco Mix	8	Sai Krishna Plastic Industries	64
Exotic Bio Solutions Pvt. Ltd.	65	Sri Lakshmi Packaging Company	53
Hipra India Pvt. Ltd.	31	Srinivasa Farms Private Limited	45
Himalaya Wellness Company	22	Suguna Foods	Title Fold 4
Indian Agro & Food Industries Ltd.	4	Uttara Impex Pvt. Ltd.	19
India Poultry Expo 2022 : Guwahati - Assam	48	VHPL	Inside Title Fold 3 & Title Cover IV
Indian Herbs Specialities	32	Vetoquinal India Animal Health Pvt Ltd.	13
Karamsar	28	Zenex Animal Health	39
Lubing India Pvt. Ltd.	66	Zeus Biotech Limited	42
Lumis Biotech Pvt. Ltd.	Title Cover I	Zoetis India Limited	9



CUT SHORT YOUR FEED COST

Eco-Mix

LEAST COST FEED FORMULATION SOFTWARE FOR
POULTRY, DAIRY AND ANY KIND OF LIVESTOCK

Y.SRINIVAS

Cell : +91-9849039200



LOGIC SOFT SOLUTIONS

Flat No. 101, H.No. 1-1-565, Raghavendra Apts., New Bakaram,
Musheerabad, Hyderabad - 500.020. (A.P.) INDIA
E-mail: contact@logicsoftsolutions.com www.logicsoftsolutions.com

LINCO-SPECTIN[®] 100

A New Approach Towards Challenging
Mycoplasma and *E. Coli* problem

FOR
THE REAL PEACE
OF MIND



Zoetis India Limited

31, 3rd Floor, Kalpataru Synergy, opp. Grand Hyatt, Santacruz (East), Mumbai-400 055

• Web: www.zoetis.in • Email: indiaanimalhealth@zoetis.com

zoetis



*Precession in
Technology,
Efficiency in
Results*

Concentrated Mix of
essential oils

FROM ITALY

MixOil®

...part of your success

**Effective
Substitute of grow
promoting antibiotics
and Strengthens
immune system for
Poultry (Proven in India
since 2014)**

Available in India

MixOil Powder : Micro encapsulated special technology slow and gradual release components.

MixOil Liquid : For fast results in acute conditions in water.

For Details Contact: South Asia Region
Ramddas N,
Cell : 9848413213
nramdas@hotmail.com



info@awpint.com

www.awpint.com

A.W.P. srl - via IV Novembre, 23
41051 Castelnuovo Rangone (MO) Italy



PROMEZ

The Gut Health Protection Package

Rossari Probiotic Series

Promez™ FS / Promez™ WS

Highly concentrated probiotic formulation with total viable count of 2×10^{10} CFU/g, having combination of total 15 synergistic beneficial microbial strains supporting for **GUT** health protection.



ROSSARI BIOTECH LIMITED

(An ISO 9001:2015 & 14001:2015 Certified Company)
201 A & B, Ackruti Corporate Park, Next to G. E. Gardens, LBS Marg,
Kanjurmarg (West), Mumbai - 400078, India.

+91 22 6123 3800

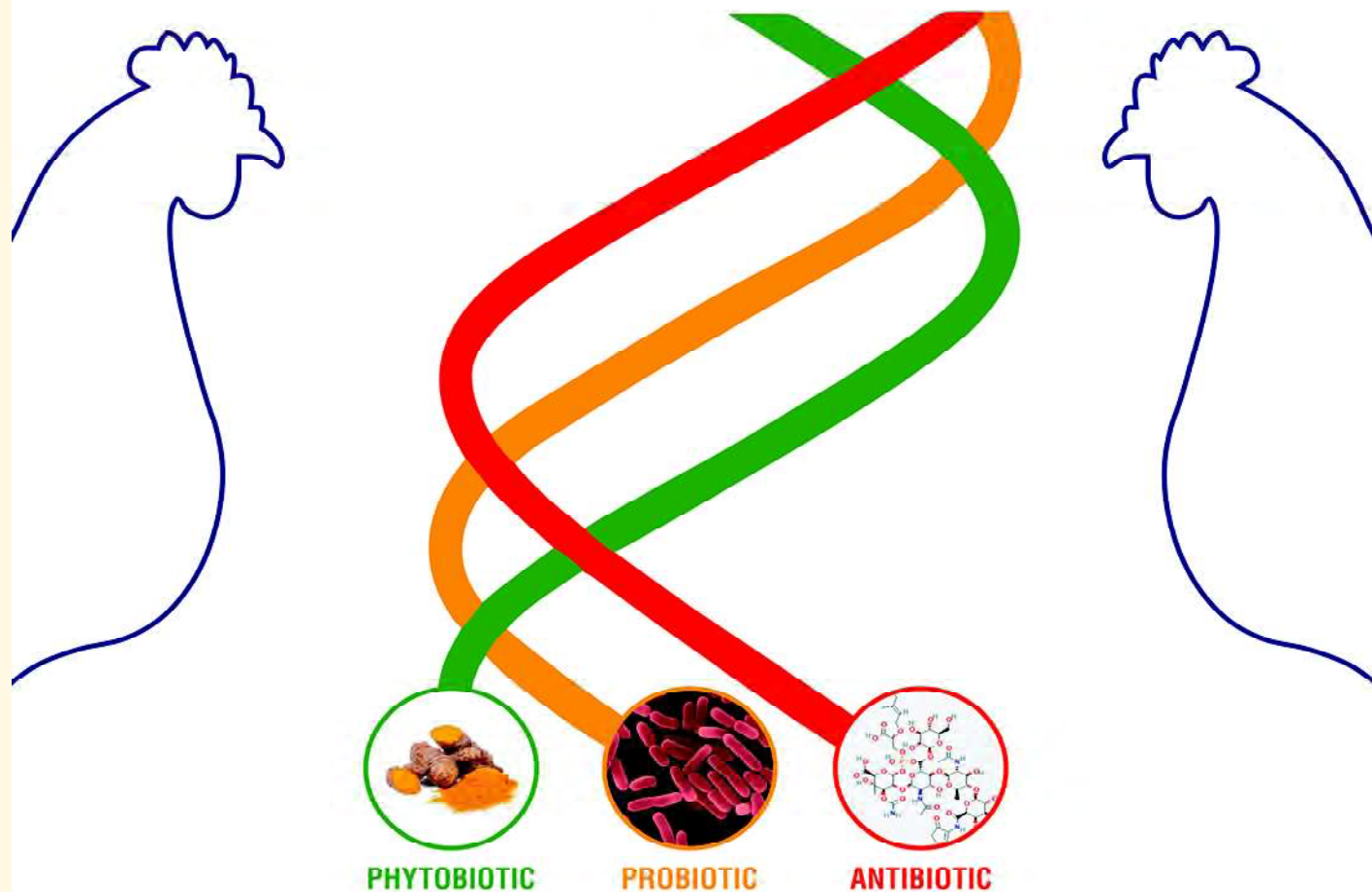
info@rossari.com

www.rossari.com



BAMBERCIN[®] PLUS

The Novel & Potent **TRIBIOTIC**



The 1st of its kind & Synergistic **3 in 1** Feed Premix for Poultry
for

- Healthy birds
- Optimal gut microflora
- Reduction in FCR
- Better immunity & disease resistance
- Wholesome meat & eggs
- Improvement in profits

Provet Pharma Private Limited

No. 9, 1st Floor, Chakrapani Street, 2nd Lane, Narasingapuram Extension,
Maduvankaral, Guindy, CHENNAI - 600 032. INDIA
Teletax: +91 44 2244 2124 / 27 | E-mail: info@provet.in



www.provet.in

Facebook: provetppi Twitter: provetppi LinkedIn: provetppi

Complete Solution to Minimize the Risk of Mycotoxins

TOXIDEX™

Antimycotoxic Agent with Triple Action



Neutralize Masked Toxins
MDC

Optimum CEC Value
Does not Bind Nutrients

Strong Binding Efficacy
Higher Surface Area

Highly Stable
Acidic & Basic pH

Superior Dipolar Phyllosilicates
Sa9 V12 & V14

Binds Toxins
Chemical & Endotoxin

Product Label Details:

dex toxidex NET WEIGHT 25 Kg

PREMIUM OF BINDING AGENTS composition

Each kg contains	
Phyllosilicates	900 g
Surfactant	100 g
Mycotoxin deactivator complex	100 g

animal species
Poultry, Aquatic

feeding direction
1.5 kg per ton of feed

Mycotoxin level

No detection of mycotoxins (≤ 121) maximum	0.5 kg/ton of feed
Up to 100 µg/kg	1 kg/ton of feed
From 100 to 500 µg/kg	2 kg/ton of feed
≥ 500 µg/kg	3 kg/ton of feed
Aggravated feed	5 kg/ton of feed

remarks
In highly contaminated feed, it is advisable to combine the product with an bacteriocin fungicide in order to prevent mycotoxin and proteinase synthesis.
Store in a cool, dry place away from the light.
Use reserved exclusively for the manufacture of poultry feed.
Not for medicinal use. Always feed supply-mark only.

Manufactured by VETOQUINOL INDIA ANIMAL HEALTH PVT. LTD.
Bldg. No. 23, Sector No. 14, G-1
Bhamburda Estate, Bhubaneswar, India - 751 022
Website: www.vetoquinol.com
Customer care: +91 22 4152 3409
E-mail: consumer.services.india@vetoquinol.com

Manufactured by DEX IBERICA, S.A.
P.O. Box 10000, 28100 Alcorcón,
PLAZA Europa, 28104 Alcorcón,
Spain
Tel: +34 91 552 521
Fax: +34 91 552 525

feeding smart solutions



Imported from
Dex ibérica (Spain)



For Further Information Please Contact

VETOQUINOL INDIA ANIMAL HEALTH PRIVATE LIMITED

5th & 6th Floor | Hamilton Building | B – Wing | Hiranandani Estate | Ghodbunder Road | Thane – 400 607 | Maharashtra
Email : consumer.services.india@vetoquinol.com | Website : www.vetoquinol.in
Customer Care : +91-22-61322609

Ozyme Xtrema[®] X

ENZYME AT ITS BEST



Optimize the savings on investment with Ozyme Xtremax in Reformulation

OPTIMA LIFE SCIENCES PVT. LTD.

CORPORATE OFFICE

PNO 47/2/2, BL 44,
LIC Colony, Parvati,
Pune - 411009, Maharashtra.
Tel: 020-24420720
info@optimalife.in | www.optimalife.in

OPTIMA INTERNATIONAL BV

Binnenstraat 27 6674 BX, Herveld,
the Netherlands
Ph. +614193538
export@optimalife.in
www.optimalife.eu

OPTIMA GLOBAL FZ LLC

A1-608B, Building no. A1
Al Hamra Industrial Zone-FZ, RAK
United Arab Emirates
info@optimalife.ae



PRESS RELEASE

Optima Life Sciences Conducted Technical Seminar on “Variations in feed processing and its Effective Management



≡ OPTIMA ≡



On 14th May 2022, Optima Life Sciences Pvt. Ltd. conducted a Technical seminar on topic “Variations in feed processing and Its Effective Management”. The key note was delivered by guest speaker Mr. Girish Mulekar, a well-known personality in feed industry with an experience of more than 45 years.

The program started with Deep prajvalan, followed by welcome address by Dr CV Chandrasekaran, Vice President, Optima Life Sciences, Pune.

Cost on feed comprises of 70% to 80% of the total cost of production. Even minor changes in the feed can cause a big loss to integrators and feed millers. Along with this, the feed millers are

constantly facing challenges of poor quality and adulteration in raw materials which forces them to change the feed formulation. While managing the availability of raw material, the cost of feed production often goes up. Moreover, it also affects feed quality resulting in poor performance of the birds.

This was main point of discussion where Feed industry expert Mr. Girish Mulekar expressed his views. He explained how raw materials and its quality plays an important role in efficiency of the feed mill. For optimized production with low input cost, there are some critical factors which need to be taken into consideration. He made the audience





aware on identifying the challenges with higher precision. Audience was also enlightened with strategies to tackle them.

Technical seminar was succeeded with a session by Mr. Omkar Kulkarni, Commercial Manager, Feed Milling Solutions. He explained about solutions provided by Optima for improving the feed milling efficiency.

Later in the Q&A session audience shared their real-life experiences and issues faced by them during feed processing. Mr. Girish Mulekar guided



with possible strategies with respect to individual challenges.

On the occasion of this Technical Seminar, Optima Life Sciences Honoured Dr Jagjeet Singh for his efforts and contribution in the progress of India poultry industry. On behalf of whole poultry industry, Optima Life Sciences pays its heartfelt gratitude to Dr Jagjeet.

The session was concluded by vote of thanks by Mr. Anand Mudgil, Assistant General Manager, Optima Life Sciences.



Steps needed to dissuade livestock farmers from using antibiotics on animals

By Dr Krishna Sahoo - Email: ksahoo@proteonpharma.com

Despite a ban on antibiotics for livestock production, they are still being administered to the entire flock for prophylaxis, treatment of a disease and growth promotion in most countries of the world. The misuse and overuse of antibiotics and poor methods of prevention of infection have become one of the primary reasons for the onset of antimicrobial resistance (AMR).

AMR is a phenomenon that occurs when bacteria, viruses, fungi and parasites change over time and no longer respond to the medicines. This makes infections harder to treat and increases the risk of disease spread, severe illness and even death. The World Health Organization (WHO) has declared AMR as one of the top 10 global public health threats facing humanity. This has put mounting pressure on livestock producers to be mindful of their practices.

According to the think tank RAND Corporation, the world population will be between 11 million and 44 million by 2050 if the pace at which antibiotics are consumed continues. This is much lower than what it could have otherwise been in the absence of AMR. New estimates reveal that at least 1.27 million deaths per year are directly attributable to AMR.

AMR is an intricate problem that requires a unified multisectoral approach. Appropriate steps can be taken at all livestock production levels to reduce the impact and limit the spread of this resistance. While eliminating AMR is unlikely, the overall situation can be improved with appropriate measures.

Effective farm management, biosecurity, and novel feed ingredients can all help reduce levels of AMR in livestock farms. Besides, livestock producers are

the critical agents in helping to reduce the development and spread of antibiotic resistance.

Globally, countries committed to tackle AMR have set out a Global Action Plan 2015 during the 2015 World Health Assembly and have committed to developing and implementing multisectoral national action plans.

Let's look at the steps that can be taken to contain the situation:

- **Veterinary supervision is required:** Veterinarians are leaders and agents in preserving antibiotics for animals. Therefore, it's in the best interest to often communicate with the veterinarian, who will decide when the antibiotics are needed to treat, control or prevent disease in the livestock. Therefore, as a livestock farm owner, it is in the best interest to seek advice about preventing antibiotic-resistant infections specific to your farm size, animal species, and environment.
- **Contain the usage:** Antibiotics should not be given for growth promotion or to prevent the onset of diseases in healthy animals. Healthy animals should only be administered antibiotics to prevent a disease if it has been diagnosed in the other animals on the farm.
- **Proactive vaccination:** Vaccines and other alternative products can help minimise the need for antibiotics by preventing and controlling infectious diseases in animal populations and are central to the future success of animal agriculture. This would automatically reduce the need for antibiotics and the use of alternatives to antibiotics when available.

- **Promote good farm practices:** Apply good practices at all production and processing steps of foods from animals. Infections should be controlled through improved hygiene and animal welfare.
- **A national action plan:** There should be a robust federal action plan to tackle the problem at the government level. Policies and programmes should be strengthened and with a stern implementation of infection prevention and control measures. There should be improved surveillance of antibiotic-resistant infections. Besides, the government should

make information available to the livestock owners on the impact of antibiotic resistance.

The cost of AMR to the economy is high. Besides death and disability, prolonged illness results in more expensive medicines and financial challenges for those impacted.

The author is Global Product Manager, Proteon Pharmaceuticals, a subsidiary of Proteon Pharmaceuticals SA Poland. Proteon Pharmaceuticals focuses on precision biology for microbiome protection to improve animal and human health, increasing environmental sustainability and eliminating the unnecessary use of antibiotics

Free Lance Poultry Consultant

DR.MANOJ SHUKLA, a renowned poultry Veterinarian, with 20 years of enriched field experience, now started Free Lance Poultry Consultancy. In the past 20 years have contributed to the development of the hatcheries in various capacities of leading companies across India - Maharashtra, Gujarat, Madhya Pradesh, Chhattisgarh, Orissa, Bihar, West Bengal, Jharkhand, North-East, Uttar Pradesh and neighbouring country of Nepal.



His areas of expertise include:

- Commercial Layer Management.
- Commercial Broiler Management
- Nutrition (Feed Formulations).
- Breeder Management.
- Sales & Marketing of Day-Old commercial Layer chicks, Broiler chicks & Poultry Feed.
- Sales & Marketing of Broiler Breeder.
- Integration.
- Training to Field staff.
- Field Trial of Drugs & Feed additives.
- Speaker in Technical Seminars.

He can be Contacted at:- **Dr. Manoj Shukla**

A-1, Gaytri Nagar, Phase-II, P.O. Shankar Nagar, Raipur, Chhattisgarh-492007

Mob.No : 09644233397, 07746013700, Res. 0771-4270230

Email : drmanu69@gmail.com

As a strategic partner, Poultry Line wishes Dr. Shukla every success in his new assignment



UT-MENTOBROM

Goodness of Essential oils

BENEFITS

Improves Immunity

Treatment and prevention of CRD and CCRD

Composition of essential oils makes it a strong expectorant, which helps to reduce the respiratory problems

Acts as Antiviral, Antibacterial, Anti-Inflammatory and Anti-Oxidant which improves overall health



Uttara Impex Pvt. Ltd.

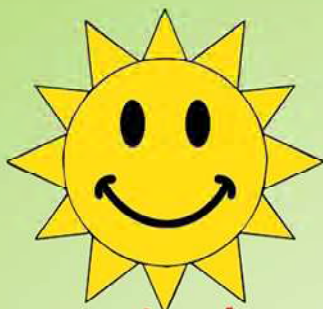
Feed Supplement Division, Venkateshwara House, Pune.

For Trade Enquiries Contact

North India - Mr. Hariom Singh Chauhan - 9552526901, Bengaluru / Kolkata -
Mr. Kunal Goswami - 8888858839, TN - Mr. Michalesamy - 8778408835, Maharashtra -
Swapnil Ballal - 9689948713, Telangana / Andhra Pradesh / Orissa -
Mr. Shankar Reddy - 8008802148

[in](https://www.linkedin.com/company/uttaraimpexpvtltd) [uttaraimpexpvtltd](https://www.linkedin.com/company/uttaraimpexpvtltd)

[f](https://www.facebook.com/uptipune) [uptipune](https://www.facebook.com/uptipune)



Solution for Heat Stress

AVIT-CTM

Natural Vitamin - C



**The effective protection
against Heat stroke and
related problems under
stress conditions.**

Avian Life Sciences Pvt. Ltd.,

Admn. off. Plot No. 29, H.No. 11-13-770, Ground & 1st Floor,
Road No.3, Green Hills Colony, R.K. Puram, Kothapet, Hyderabad - 500 035.

Email: avianlifesciences@gmail.com

Customer care No. : 040 - 24039414

The new name in plant-based solutions.

Avitech Nutrition presents PhyGeno – a range of plant based solutions (phytogenics) for the feed industry.

PhyGeno combines Ayurvedic knowledge with modern evaluation and manufacturing techniques to offer solutions that enhance the nutritive and safety values of animal feeds.



- ▣ **Avitriol**
Natural Bioactive Vitamin D3
- ▣ **PhyCholine**
Herbal Choline
- ▣ **GenoLiv**
Herbal Hepatoprotective
- ▣ **Green-C**
Herbal Vitamin C

For more details visit
www.phygeno.com
connect@phygeno.com



Himalaya
SINCE 1930



Thank You

For making HimChelate-P the fastest homegrown brand of Indian Poultry Industry...

- Organic trace mineral provider**
(Glycinate chelation)
- Calcium absorption formula**
(Hadijoo)
- Endurance optimizer**
(Ashwagandha, Lasuna and Shatavari)

Added Chromium and **Phytoactives** to Handle the Stress.



Himalaya Wellness Company
Makali, Bengaluru 562 162, India

www.himalayawellness.com
E-mail: write.to.us@himalayawellness.com

Novus International Announces New Corporate Office in India

The new office in Bangalore opened on 21 April 2022.



Lighting of Lamp

Bangalore, India (21 April 2022)- Novus International's Asia leadership team in India inaugurated its new corporate office in the country in April.

The new space was officially opened on 21 April 2022 in Bangalore, the capital and largest city of the Indian state of Karnataka located in the country's south western region. Having a corporate office in Bangalore has the advantage of being in proximity to many customers. While a large city that is home to more than 8 million people,



Ribbon cutting ceremony

Bangalore is centrally located with major livestock and poultry hubs like Coimbatore, Namakkal, Hospet, Hyderabad, Pune, etc., contributing more than 60 percent of the poultry and dairy markets. The location also facilitates frequent engagement with customers, which will result in enhanced customer intimacy, improved services, and business growth.

On the 20th of April, Novus South Asia team hosted the customer meet-and-greet featuring Sr. Director of Global Strategy Marketing Abhishek Shingote and Vice President and Asia Managing Director Dr. Vaibhav Nagpal from Novus Head- quarters in the U.S. The evening started with the welcome address by Neeraj Kumar Srivastava, managing



Abhishek Singote

director for South Asia & Southeast Asia, followed by the leadership messages from Dr. Nagpal, Shingote, Sr. Vice President and COO Ed Galo, and the company's CEO and President Dan Meagher.

In his speech, Srivastava highlighted the importance of shifting the corporate office to Bangalore and he thanked all customers and business partners for their support. He spoke about growth, collaboration, trust and new beginning for Novus in the region. He also emphasized the opportunities in the region and the commitment of Novus to serve its customers with the right solutions and services.



Neeraj Kumar Srivastava

Galo thanked all customers and business partners for their continuous support, stating that Novus has built a sustainable business over the years in the Indian market, and company leadership is pleased and proud of its position in the country.



Ed Galo

"In return, we are committed to supporting the market to help feed the world and continue bringing nutritional health and solutions for best-in-class animal protein production to the market," Galo said.

Meagher congratulated Srivastava and the entire team of Novus South Asia for their renewed commitment to country and its animal protein producers. "The commitment of Novus's office in India demonstrates the importance of the Indian market to Novus," Meagher said.



Dan Meagher



Nagpal Vaibhav

Dr. Nagpal mentioned the evolution of Novus in India over the last 15 years and spoke to the global development, innovation and focus of the company. He also added the importance of customers and business partners for the growth of any organization.

"Customers are the backbone of any business," Dr. Nagpal said.

Many prominent animal nutrition and health companies are located in and are operating out of Bangalore. The area is also a hub for the software and biotechnology-related industry in India and is known as the "Silicon Valley & Biotech Capital of India." Recently, Bangalore has emerged as the start-up capital with almost 32 entrepreneurial companies located there. With this investment in the city, Bangalore has an advantage over other cities in attracting and retaining talents.

Bangalore is also demographically diverse and the second fastest-growing major metropolis in India as per the Centre for Science and Environment. Bangalore is called the most livable city in India due to its economic ability and opportunities.

For more information, visit novusint.com or call: +91 80 6768 2323



FY22 leadership award



Novus team with media



Novus South Asia team

Novus International, Inc. is a leader in scientifically developing, manufacturing, and commercializing animal health and nutrition solutions for the agriculture industry. Novus's portfolio includes ALIMET® and MHA® feed supplements, MINTREX® chelated trace minerals, CIBENZA® enzyme feed additives, NEXT ENHANCE® feed additive, ACTIVATE® nutritional feed acid, and other specialty ingredients. Novus is privately owned by Mitsui & Co., Ltd. and Nippon Soda Co., Ltd. Headquartered in Saint Charles, Missouri, U.S.A., Novus serves customers around the world. For more information, visit www.novusint.com.

Contact: Reena Rani, Novus International, reena.rani@novusint.com



Special guests

Summer Management in Poultry

Dr. Milind D. Rainchwar, Technical Service Manager - Novus South Central Asia

In the summer season, as the temperature increases, poultry suffers from the condition called heat stress, also known as summer stress. This is a condition of imbalance between heat generation and heat loss in the body. This condition not only brings poor performance in birds but is also responsible for huge economic losses in terms of poor growth, lowered production, and higher mortality. This condition becomes a greater challenge when coupled with a high humidity environment, making the birds even more vulnerable. According to research, poultry is most comfortable in an environmental temperature around 22-28°C (known as their thermoneutral zone). Once the temperature rises beyond this point, poultry show symptoms of heat stress: reduction in feed intake, poor growth, poor production, and increased mortality.

In general, birds are susceptible to high environmental temperature due to an absence of sweat glands, their full body of feathers, their higher body temperature, and the fatty nature of the birds. This heat or summer stress not only brings lowered performance in poultry but also leads to immunosuppression issues, which can result in disease outbreaks and cause heavy mortality. This is mainly due to an absence of sweat glands in poultry making it impossible for them to dissipate heat. In this, males are found to be more prone to heat stress than females.

Ultimately, heat stress causes acid-base disequilibrium, or the inability to cool the body to maintain normal body temperature. Panting allows birds to release heat through an evaporative cooling kind of method, but high humidity coupled with high temperature causes insufficient panting to control body temperature resulting in heat stress.

Behavioural, neuroendocrinal, and physiological changes are observed in birds during heat stress. Behavioural changes can include decreased feed intake, increased water intake, panting, less walking,



Dr. Milind D. Rainchwar

and elevated wings. Physiological changes include oxidative stress, acid-base imbalance, and respiratory alkalosis. Internally the bird may experience decreased protein digestion and absorption, increased metabolic disorders, increased chances of disease prevalence, and fertility issues. Production challenges can include reduced feed intake, poor feed conversion ratio, reduced body weight, impaired meat, and egg

quality, and, as mentioned before, increased mortality.

Summer poultry management

The following steps can help birds combat heat stress

1. Housing management
2. Water management
3. Feed management
4. General management

Water management is crucial in heat stress management. In summer, water consumption goes up 3-4 times feed intake. So, a good quality water supply is essential. A water hygiene process must be followed because bad bacteria can prevail rapidly under poor conditions, which will lead to disease conditions. Water pipelines must be cleaned well and flushed with organic acids or hydrogen peroxide periodically. Treat water with a quality water acidifier and sanitizer. In general, try to make the water pH in acidic conditions (5.5-6). As feed intake is less during times of increased temperatures, nutritional water acidifiers should be used to help combat heat stress.

Housing management can be divided into two parts, inside shed management, and outside shed management.

1. Thatching of the roof with green grass or agricultural waste can help reduce shed temperature. Paddy straw can be used for this purpose.
2. Whitewashing the roof with lime helps mitigate the temperature inside the shed.
3. Applying sprinklers above the shed.

4. The use of gunny bags on the side walls (grill) of the shed over which drip water is set.
5. Allowing trees to grow near the shed to provide shade on the shed.
6. Prohibit wild birds, which can carry diseases like Avian Influenza, from entering the shed.
7. Provide 4-6 feet of roof overhang to protect birds from direct sunlight.
8. Provide ridge ventilation to help remove hot air from inside the shed
6. Feed consumption is reduced in summer. To overcome nutritional and productive losses it is suggested to supplement the diet with 10-15% more amino acids, vitamins, and minerals rather than increasing the protein level directly.
7. Increase calcium and phosphorus levels to overcome thin eggshells more often seen during summer due to respiratory alkalosis (more carbon dioxide is lost due to panting).
8. Instances of viral challenges increase during this time as immunosuppression is common. Fumaric acid is shown to have good antiviral properties and can help to reduce viral challenges. A combination of coated benzoic acid and fumaric acid as an acidifier (as AVIMATRIX® feed supplement) can help to reduce stress and improve the performance of the flock.

Inside the shed

1. Use of fans
2. Use of a fogger
3. Provide a continuous supply of cool water (if not possible, periodically flush the water to provide cooler water for birds)
4. Reduce litter thickness (ideally around 400-450 grams per square foot)

Feeding Management

Research shows feed intake is reduced by 1.25% with every 1° rise in temperature. Further, it is observed that there is a decline in feed intake by almost 5% with every degree rise in temperature from 32-38° C. Knowing this it's best practice to feed a good quality feed during times when heat stress can occur.

1. Feeding should be done during the cooler hours of the morning or evening but too much gap in feeding time is not advisable.
2. Increase the number of feeders and drinkers during feeding time to reduce competition among birds.
3. Adding antioxidants is shown to be helpful to reduce stress and improve feed consumption while maintaining or improving body weight gain. (Vitamin E, Vitamin C, Selenium).
4. A high-energy diet should be provided during summer because birds lose more energy while panting.
5. Energy in feed should be supplemented with oil rather than grain because fat has the lowest heat increment value compared to carbohydrates and protein.
9. MINTREX® chelated trace minerals, a supplement of organic trace minerals zinc, copper, or manganese, and methionine source HMTBa are shown to help heat stress conditions. HMTBa molecules undergo absorption through diffusion, which doesn't require energy. Thus, using minerals with HMTBa can reduce heat stress during summer and help improve performance.
10. Essential oils have a broad range of action from being immunomodulators to performance enhancers. Adding essential oils - especially thymol and carvacrol - to the diet can help mitigate summer stress challenges and improve meat yield and overall performance.
11. Use of MOS and B Glucans during heat stress conditions is convincing due to the possibility to reverse or compensate physiological alterations induced by heat stress and by restoring immune function and promoting robust inflammatory responses.
12. The addition of ammonium chloride, potassium chloride, and/or sodium bicarbonate has shown improved performance in broilers by improving water quality and feed intake.
13. Probiotics can be used to help control the corticosterone level and the excessive release of pro-inflammatory agents. Lactobacillus-based probiotics enhance goblet cell count in the duodenum and jejunum of heat-stressed

broilers thereby improving the feed conversion ratio.

14. Since a hot humid climate favors the growth of mould/fungi in feed the consistent use of an antifungal is recommended.

General Management

1. The depth of litter should be 2-3 inches on the floor.
2. 10% extra floor space should be provided in summer. Bird overcrowding only contributed to heat stress and must be avoided.
3. Shifting, transportation, debeaking, and vaccination should take place during the night or cool hours in the morning.

4. Birds severely heat stressed may be dipped in cold water for 2-3 minutes to provide relief. Be sure to keep their head and neck above the water level.
5. Use foggers in the shed, which can reduce the shed temperature up to 5-10°C depending on the quality of the fogger.

The house should be situated away from other buildings to facilitate the free movement of air.

“Summer management is crucial not only to improve the performance but to gain profit in adverse conditions. So, effective use of feeding, Water, shed management brings the good health of birds and thereby profit to the farmer”.



Time to Time More, Healthy & Premium Quality Chicks

INSIDE SERIES



OUTSIDE SERIES



Digital Series



KARAMSAR POULTRY EQUIPMENTS™

OFFICE : K-139, POCKET-K, SECTOR-5, DSIIDC INDUSTRIAL COMPLEX BAWANA, NEW DELHI-110039

email : karamsarpoultryequipments@gmail.com * tarankaramsar@gmail.com

Website : www.karamsar.in karamsarequipments.com

9910310001, 9999226259, 8888800076, 9910423173



INCUBATOR (CHICKMAN SERIES)



INCUBATOR (EGG HATCH SERIES)



DEBEAKER



VACCINATOR



PLASTIC EGG SETTING TRAY



PLASTIC EGG HATCHER BASKET



DOUBLE WAFER CAPSULE

WE HAVE NO BRANCH

IVPI Organised a Technical Nutrition Conference to celebrate the “World Veterinary Day”



The Institute of Veterinarians of Poultry Industry (IVPI) organized a Technical Nutrition Conference to celebrate the ‘World Veterinary Day’ on Saturday 7th May 2022 at Hilton Convention Centre, Manyata Tech Park, Bengaluru. Raw material challenges such as inadvertent rise in protein and energy sources due to exports / shadow pricing, poor quality and adulteration threats while using unconventional raw materials etc., have significantly dented the financial health of Poultry Industry from the last couple of years. Hence, IVPI made an effort to address raw material issues and alternative resources with the theme **“Feed Ingredients: what goes up, won’t come down”**.

The Technical Conference was ably supported by Vencobb, Life Line’s Tender Chicken, Nandu’s, Coastal chicken, Bharath Agrovet, Ideal chicken and Shanthi Feeds Pvt Ltd.

The Event was attended by Poultry Entrepreneurs, Veterinarians, Research Scientists, Senior Government officials and Technocrats from across the country. All the dignitaries were welcomed by IVPI Secretary, Dr. Harsha Kumar Shetty and the introductory remark was given by Prof. G. Devegowda, President of IVPI. Emcee of the programme was Dr K L Aravind

An Array of eminent speakers; Shri Kishore Kumar Hegde, MD, Life Line Feeds : Dr. Manju NC, Asst. Vice President, JAPFA Comfeed : Shri.

Srinivas BV, MD, Aspartika Biotech Pvt Ltd : Dr. Abhilash, MD, Natani Recyclers India Pvt Ltd : Shri. Ashok Kumar KS, Founder, Maa Integrators and Dr. Anjan Goswami, Co-founder, ‘Utpan App’ spoke on interesting topics such as, business challenges in tough situations, alternative raw materials, quality issues, processing data & take corrective actions for the benefit of poultry industry.

Dr. Aravind Bhat memorial Best Veterinarian award – 2022 was conferred on Dr. Jayanth Deshpande for his immense contribution and service to the poultry farmers. The award ceremony was conducted by Dr. G Gopal Reddy. Dr. Swamy gave the vote of thanks and the event was followed by networking dinner. The event received very positive feedback for its professionally organising meeting

The entire event was live streamed and is available at https://youtu.be/wruHshQ_dPM.



BROILER LIFTING RATES FOR THE MONTH OF APRIL 2022

Place	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Hyderabad	123	123	126	130	132	132	123	123	114	114	114	116	118	118	110	110	115	118	120	120	125	125	125	125	125	125	125	120	120	115	120
Karimnagar	123	123	126	130	132	132	123	123	114	114	114	116	118	118	110	110	115	118	120	120	125	125	125	125	125	125	125	120	120	115	120
Warangal	123	123	126	130	132	132	123	123	114	114	114	116	118	118	110	110	115	118	120	120	125	125	125	125	125	125	125	120	120	115	120
Mahaboobnagar	123	123	126	130	132	132	123	123	114	114	114	116	118	118	110	110	115	118	120	120	125	125	125	125	125	125	125	120	120	115	120
Kurnool	123	123	126	130	132	132	123	123	114	114	114	116	118	118	110	110	115	118	120	120	125	125	125	125	125	125	125	120	120	115	120
Vizag	123	123	126	126	126	126	117	117	110	110	110	112	114	114	114	114	117	117	119	119	119	119	119	119	119	119	110	110	110	105	110
Godavari	128	128	131	131	133	133	124	124	115	115	115	117	119	119	119	119	122	122	122	122	122	122	122	122	122	122	113	113	108	113	
Vijayawada	128	128	131	131	133	133	124	124	115	115	115	117	119	119	119	119	122	122	122	122	122	122	122	122	122	122	113	113	108	113	
Guntur	131	131	134	134	136	136	127	127	118	118	118	120	122	122	122	122	122	122	122	122	122	122	122	122	122	122	116	116	111	116	
Ongole	131	131	134	134	136	136	127	127	118	118	118	120	122	122	122	122	122	122	122	122	122	122	122	122	122	122	113	113	116	116	
Namakkal	400	400	400	400	400	400	420	420	435	435	445	445	445	450	450	430	430	430	430	430	410	410	380	380	360	360	380	380	380	380	

EVALON[®]

With HIPRAMUNE[®] T

Live attenuated vaccine
against avian coccidiosis

A LIFETIME OF IMMUNITY

Powered by
SMART
VACCINATION



The Reference
in Prevention
for Animal Health

HIPRA INDIA
#209, 2nd Floor Platinum Square (next to Hyatt Regency Hotel), Vascon Engineers Ltd., S.
No. 30/3A, Viman Nagar Pune 411014, Maharashtra India
Tel.: (+91) 20 6768 2300 · Fax: (+91) 20 6768 2302 · india@hipra.com · www.hipra.com

INDIAN HERBS ROBUST AND COMPLETE RANGE OF PRODUCTS FOR POTENTIATING ANTIOXIDANT DEFENSE, STRESS TOLERANCE AND IMMUNOCOMPETENCE IN BIRDS

HeatBeat

Power-packed with natural heat stable vit. C, organic chromium complex and mint

Replenishing & Revitalizing Formula

ELECTRO-C

Water soluble concentrate power-packed with electrolytes, natural vitamin C & energy

HERBAL C

Natural heat stable vitamin C and universal anti-oxidant

With Triple Advantage

OSMO C

Natural, heat stable vitamin C with betaine and Phyto-antioxidants

Heat stability
Naturally conjugated phytoconstituents remains highly heat stable at pelletization (upto 130°C)

Universal antioxidant
Antioxidant activity in both lipid and is aqueous phase and is higher than synthetic coated vitamin C

Adaptogen
Helps attaining adaptive homeostasis

Outstanding bioavailability
Provides self replicating, sustained bio-activity and gets fully absorbed in biological system



Heat and oxidative stress

Cellular oxidation

Free radical generation

Cell death and mortality

Immuno-suppression

Increase respiration, alkalosis and compensatory HCO₃ loss

Extreme heat stress adversely affects production, performance and farm profitability

Modern high performing poultry birds face difficulties in coping with heat and other stressors resulting into thermo-intolerance, reduced feed intake, poor growth, FCR, poor shell quality, reduced egg production, hatchability, increased morbidity and mortality. There is a need to strengthen antioxidant defense of birds by supplementing potential antioxidant.

INDIAN HERBS SPECIALITIES Pvt. Ltd.

C-215, 2nd Floor, Elante Offices, Plot No. 178-178A, Industrial & Business Park
Phase - 1, CHANDIGARH (U.T.) - 160002, Ph. No. 0172 - 5011470, 4181014, +91 9023247217
E-mail : ihspl@indianherbs.org, Website: www.indianherbs.org

Fixar[®]

The Multifunctional Broad-Spectrum Mycotoxin Binders



Benefits

- Binds a wide range of mycotoxins present in feed
- Aids to maintain the gut health and environment
- Selectively binds mycotoxins and spares vitamins, minerals and other nutrients
- Stable at wide range of pH
- Aids to maintain poultry performance and productivity



Fixar[®] S Dry | Fixar[®] Viva Dry | Fixar[®] Bios Dry



Bentoli AgriNutrition India Pvt. Ltd.
3F2, Third Floor, Front Block, Metro Tower
Building No. 115, Poonamallee High Road
Chennai - 600 084, India
India Customer Care: +91 7397785002
Email: askthefeedoctor@bentoli.com

Cevac
IBird[®]
+ Cevac[®] Vitabron L

The **FIRST** and
ONLY VACCINE
in **INDIA** for
IB VARIANT
STRAINS



HEALTHY
CHICKENS

Cevac Ibird[®] + Cevac[®] Vitabron L
infectious bronchitis under control from the hatchery

- ♥ Compatible from day 1 by spray for broilers & layers
- ♥ 9 weeks duration of immunity
- ♥ Reduction of challenge virus in the trachea
- ♥ Safe repeat use in lay for Cevac IBird[®]

Ceva Polchem Private Limited
Premises No. 101, First Floor, Phase II, Manikchand Galleria,
Model Colony, Shivajinagar, Pune - 411016, India
Tel.: +91-20-25670606, 25670607. E-mail: sales.ind@ceva.com Website: www.cevapolchem.in



Together, beyond animal health

Vaccine Delivery Systems in Poultry Industry

¹Dixit K. Parasana and ²Tapan R. Kumbhani

¹Ph. D. Scholar, Department of Veterinary Microbiology, Veterinary College, Navsari

²Ph. D. Scholar, Department of Veterinary Pathology, Veterinary College, SKNagar

Improper vaccine application is the most common reason vaccines and vaccine programs fail. With the success and growth of the poultry industry throughout the world came tremendous challenges in efficient and economic application of poultry vaccines. The most commonly used application techniques in commercial poultry include *in ovo* at 17-19 days of embryonation, subcutaneous or intramuscular injection at day of hatch, spray in the hatchery, intraocular or nasal drop in the hatchery or on the farm, spray on the farm, through the drinking water on the farm, wing web stab, and subcutaneous or intramuscular injection on the farm.

In Ovo Vaccination

In ovo vaccination is performed during the process of transferring incubating eggs in the hatchery from the setter to the hatcher. After stabbing a hole in the shell, most frequently Marek's disease vaccine is injected just under the membranes at the floor of the air cell. Depending on the embryo age at transfer, generally between 17 and 19 days of incubation, approximately 25–75% of the vaccine (0.05 ml in most cases) is injected into the area of the neck and shoulder. In the remaining 25–75%, vaccine is administered into the extra embryonic compartment. The original experiments on *in ovo* vaccination with Marek's disease vaccine showed that chicks were protected earlier than those vaccinated after hatch. Using an egg injection system (Embrex Inovoject® Egg Injection System, Research Triangle Park, NC), one machine with three people generally inoculates 20,000–30,000 eggs per hour. This method of vaccination leaves a hole in the egg for the final few days prior to hatch and in poorly sanitized hatcheries has resulted in poor early livability due to bacterial or fungal contamination while in the hatcher. Hatcheries must be acutely aware of their aspergillosis levels to run an egg injection system successfully.

Subcutaneous or Intramuscular Injection at Day of Hatch

Day-old vaccination, most commonly using Marek's disease vaccine, is generally accomplished by giving 0.2 ml of vaccine subcutaneously under the skin at the back of the neck or 0.5 ml intramuscularly in the leg. The automatic vaccination machines used in many parts of the world generally are designed for the neck injection. A skilled operator can vaccinate about 1600–2000 chicks/hour. A 20-gauge needle generally is used, as smaller gauge needles restrict the flow in cell-associated vaccines. Needles should be changed several times during the course of the day to prevent damage from burred or bent needles. Improper positioning of the chick or a bent needle can result in damage to the neck muscles or vertebrae. A dye is frequently mixed with the vaccine to allow visualization of the vaccine under the skin after injection. A quality check of technique generally means examining each bird in several boxes, 100 to a box, after vaccination looking for colored dye under the skin. The most frequent cause of missed birds is the operator trying to go too fast, resulting in chicks being pulled off the needle before proper deposition of vaccine.

Spray in the Hatchery

Spray vaccination of birds in the hatchery generally is done using a spray box that is triggered each time a box of chicks is placed inside or an in-line spray cabinet that sprays boxes as they movedown a controlled speed conveyor line in an automated hatchery. Both methods, frequently used to deliver Newcastle disease virus, infectious bronchitis virus or coccidiosis vaccine, attempt to mimic eye-drop vaccination. Spray vaccination in the hatchery generally works well if the droplets generated have a particle diameter of approximately 100-150 microns. Particle size is very important. Low relative humidity may decrease the particle

size by the time it reaches the bird, resulting in too fine a spray. Fine spray, generally something less than 20 microns in diameter, can travel deep into the respiratory tract, resulting in excessive vaccine reaction if using a respiratory disease vaccine. Although there is some variability, Newcastle disease virus and infectious bronchitis virus vaccines are often delivered in 7 ml of distilled water per 100 chicks. Coccidiosis vaccines generally use more distilled water, approximately 20-25 ml per 100 chicks. Birds preening themselves and each other immediately following spray vaccination is thought to be important to the resulting vaccination response, although little data exists to support this concept.

Spray Vaccination on the Farm

With the increased acceptance and use of closed watering systems and the increased cost of labor required to effectively vaccinate through the drinking water, spray vaccination of respiratory vaccines, such as Newcastle disease virus and infectious bronchitis virus, has become increasingly popular. This method of vaccination frequently uses spray equipment adapted from insecticide and pesticide application technologies. As with the hatchery spray vaccination, the method is designed to mimic eyedrop vaccination but allows the vaccinator to avoid handling each bird in the poultry house. Distilled water generally is used to reconstitute the vaccine. Although the volume of water used varies depending on the spray machine selected, 5 gallons of water per 20,000 birds vaccinated is a good general recommendation. It generally is preferred to vaccinate a flock first thing in the morning. Fans should be turned off, if possible, and the lights should be as dim as the vaccinator can allow and still walk through the house. In floorhouses, if another person is available, one person can split the flock while the vaccinator slowly sprays one side at a time. If possible, running fans should be minimized for the 15 minutes following vaccination. An effective spray vaccination technique allows exposure of birds to aerosolized vaccine for approximately 5-10 seconds. This is best accomplished by spraying a relatively coarse spray, in the range of 100-150

microns, and walking slowly through the poultry house. A visual evaluation of a spray pattern can be done with each vaccination. Look for an even distribution and consistent projection.

Intraocular or Nasal Drop in the Hatchery or on the Farm

Intraocular or nasal drop is a highly effective but labor-intensive method used to deliver respiratory disease vaccines for diseases such as laryngotracheitis. This method generally involves depositing approximately 0.03 ml of reconstituted vaccine in the eye or nares. Both techniques generally require the vaccinator to pause briefly as the vaccine disappears in the appropriate opening. A dye colored diluent helps to visualize the vaccine and allows a quality check on technique by looking around the nares or eye for dye.

Drinking Water Vaccination on the Farm

A very common and useful technique in commercial poultry has been to apply vaccine through the drinking water. Proper preparation of the watering system to be used through removal of all disinfectants, such as chlorine, should be done two days prior to vaccination. It is best to buffer the system by flushing it with a weak solution of powdered skim milk, generally 1 cup powdered skim milk to 50 gallons of water. This type of buffer generally also is used while administering the vaccine. Best results are achieved through a process that creates a mild degree of thirst by eliminating access to drinking water for approximately two hours prior to the vaccination procedure. This time varies widely. Climatic conditions may necessitate longer or shorter time periods. Thirst is optimal when the time between the first and last access to vaccine is approximately two hours. Two hours generally allows all birds, even those lower in the social order, adequate time to get a drink of water containing vaccine. This technique requires constant adjustment as the climate changes.

Wing Web Stab

Wing web vaccination requires individual bird handling but can be done relatively rapidly. There are two commonly used wing web application tools.

The first is the traditional small plastic handle approximately 3 cm long that has two solid stainless steel prongs, approximately 2 cm long, with a bevel on each prong toward the needle end. The second newer application tool is referred to as a Grant inoculator. This tool has a self-contained reservoir for vaccine, most often fowl pox or fowl cholera, in which a needle passes through loading a new dose of vaccine for each bird inoculated. Both tools are designed to deliver approximately 0.01 ml on the needles to the bird's wing web. The wing web is an area that has relatively few feathers, bone, or muscle. The vaccinator loads the applicator and sticks the needle completely through the skin on both sides of the web, originating from the underside of the wing. There is little or no bleeding, and vaccine has been inoculated through the needle holes. Wing web vaccination technique can be checked by returning to the vaccinated flock 7-10 days after vaccination and palpating the wing web area for nodular scabs or granulomas.

Subcutaneous or Intramuscular Injection on the Farm

Subcutaneous and intramuscular injections are frequently used in breeder pullets and commercial egg-laying pullets prior to egg production. These vaccines are generally recommended for use

at least 4 weeks prior to the onset of egg production to minimize any adverse effect the handling or the vaccine may have on egg production performance. Subcutaneous vaccination is most frequently performed using a 1/2 inch, 18-gauge needle, in the neck. The area half way between the head and the shoulder is optimal and allows the vaccinator to lift the skin away from the neck muscle and insert the needle, pointed towards the body of the bird, into the subcutaneous area and deposit the vaccine. Intramuscular injection generally is performed using a 1/2 inch, 18-gauge needle to inject vaccine into the breast or leg muscle. Breast muscle injections are safest when the vaccine is deposited in the superficial pectoral muscle 2-3 cm lateral to the keel bone. If the needle is kept at a 45-degree angle to the bird, any accidental injections into the body cavity or liver can be avoided. Leg vaccination generally is done in the lateral gastrocnemius muscle. Both intramuscular injection sites may result in residual emulsion being present for an extended period of time. A residual deposit in muscle depends on many factors including the antigen and the adjuvant found in the vaccine. Care should be taken to determine the intended use of meat before injecting intramuscularly.



ATA Packing Products ATA Imports & Exports

Mohd. Tareq Irfan

Mob. No. +91 950 5659670

+91 738 6503377

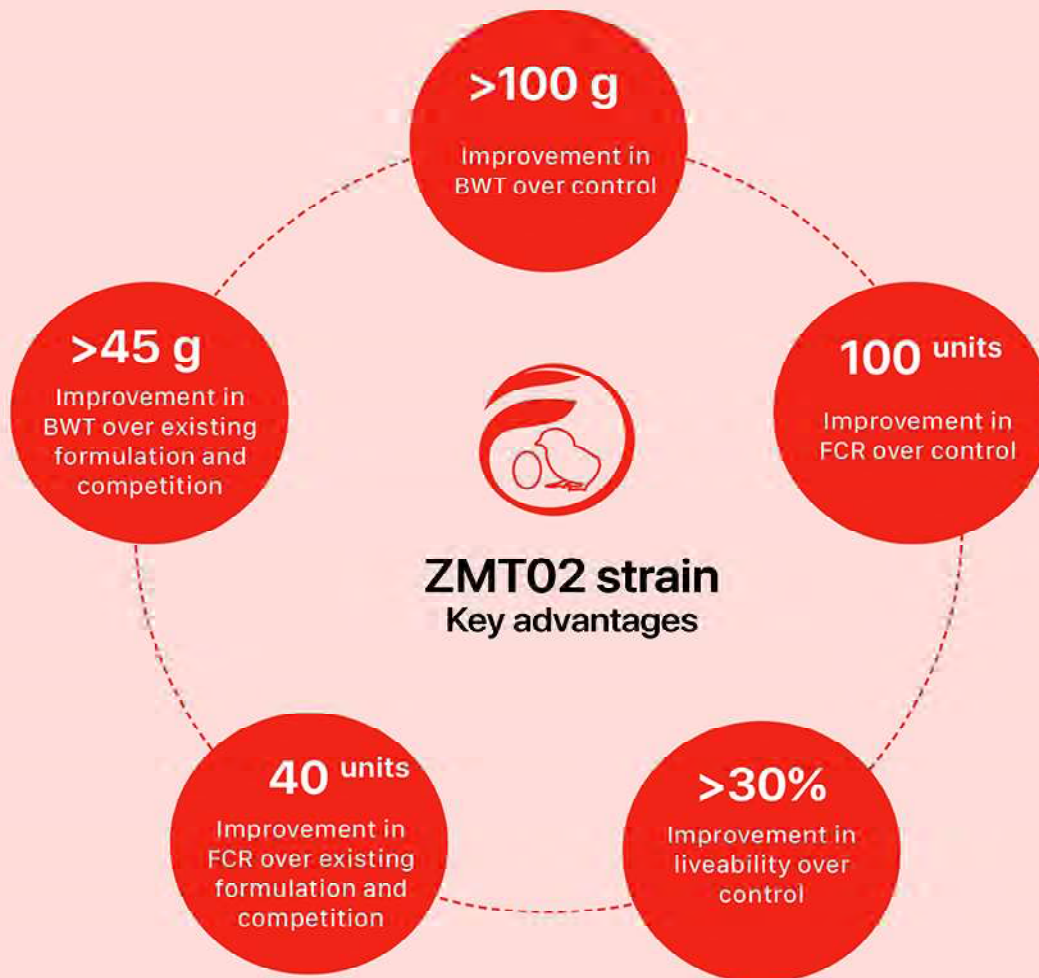
Tel : 040-64555376

Works : Survey No. 283/1, Anupuram, Jedimetla, Phase III, Hyderabad - 500 004.

Business Center : First Floor, Siraj Residency, 36-1 Defence Colony, Sainikpuri, Sec'bad - 094.

Email: atapackingproducts@gmail.com, ataimportsexports@gmail.com

The powerful probiotic strain screened and isolated from the chicken gut



THE KEY TO TOTAL GUT INTEGRITY™
Improval BFS

Improval MS

The key to total gut integrity

Zenex AH was formerly Zydus AH



WHY USE NRSBPTM?




Standardized
particle size
ensures uniform
flow & mixability


Thermostable


Phyto-actives
protected in
tonoplasts


High performance
phytochemical
fingerprinting ensures
batch-to batch
consistency


Analysed for
microbial
contamination


Compliant with
standards for
heavy metals &
mycotoxins.

NRSBPTMs

STODI[®]
Definite Diarrhoea Domination

PHYTOCEE[®]
Natural Defence Enhancer

KOLIN PLUSTM
Greener Alternative to Choline Chloride

www.naturalremedy.com





Thinking About Reducing **The Feed Cost!**

But, How ? Here is the Solution

KOLIN PLUS™

A Greener Alternative to Choline Chloride



Convenient

Cost Effective

Compatible

Caring

4C

FourC the profit

Non-hygroscopic

Lower dosage

No TMA,
Non-corrosive

Suits
with Premixes



Cost saving with
optimum inclusion rate of
KOLIN PLUS™

For further information kindly contact to your nearest representative from Natural Remedies

Detoxifies



Protects



Binds



Contamination of feed
with mycotoxins is
one of the biggest
safety concern in
livestock farming

NILTOX[®]

A complete solution for mycotoxins

World's First Diabetic Eggs



From Left to Right: Dr. R.P. Sehgal, Ex Dean of College of Veterinary Science; Dr. Inderjeet Singh, Vice Chancellor of Gadvasu, Ludhiana; Dr. Suresh Kumar, Director Animal Husbandry, Punjab; Dr. K.K. Bakshi, Ex Dean of College of Veterinary Science; Dr. M.L. Kansal; Dr. J.P.S Gill, Director Research of Gadvasu, Ludhiana;

Dr. Inderjeet Singh, worthy vice chancellor, Gadvasu, Ludhiana, along with his committee members released world's first odorless eggs on the occasion of alumni meet 2022 held on 30th April 2022 at Pal Auditorium PAU Campus, Ludhiana. These eggs were distributed on the basis of trial to different diabetic persons. Their experience and comments are mentioned below:

1. Dinesh Kumar+91 989 652 3333, Editor - S.R. Publications

Earlier, I was disturbed in the midnight for urination, but, after consuming two eggs a day, this disturbance is totally controlled and now I complete my sleep without any disturbance. Further, after consuming two eggs a day, I feel that energy of my body is continue till bed time, which earlier exhausted by evening.

2.Rakesh Bhardwaj, Livestock Publications

I tried for 18 days with one egg in the morning & another in the evening. The result was somehow perfect as my sugar level remained the same during

these 18 days without any fluctuation. Though these eggs have not reduced my sugar level but there was no fluctuation of blood sugar level at all.

3.Dr.V.K.Aggarwal, BVSC & A.HM-98141-14025
Blood glucose levels on 27/02/22:- Self -84/160, Wife- 115/154
As on 13/03/22:- Self – 100/149, Wife – 68/123

I feel the eggs have helped considerably in diabetes control especially in case of my wife. Other factor like urine frequency in case of self is also reduced.

4.Chanpreet Singh M.V.SC., ABT Corporation Chandigarh9988821002

I checked my fasting sugar level which was 277 on that day. In every two hours I used to go for urination. Some time I was failed to control the pressure. So, as you advised I started eating one boiled egg in morning and one in evening. After 15 days I got some mild results but when you advised me to increase two eggs once a time. It gave me fantastic results. Now whole night there is no pressure of urine. I can sleep nicely. Secondly timing of urination increased

from 2 hours to 6 & 7 hours. I checked my Sugar level. On 11march.it was 125 fasting and after breakfast 137.

5. Dr. M. L. Kansal+91 9812533722, B.V.Sc & A.H, M.Sc (Poultry Science), Ph.D, Ex. Professor Animal science (Ext.) P.A.U Ludhiana

Before developing Diabeat Eggs I used to consume powder of Paneer Dodi and Vijaysar and five kilometer walk daily. My sugar level reduced from 135 to 84 and I reduced my medicine which I was taking Novonorm 2mg daily to 1.5mg daily. Again, I consumed raw powder and the level again came to 84 then I again reduced the medicine from 1.5mg to 1mg. Then the idea came to my mind to develop these types of eggs having Paneer Dodi and Vijaysar powder along with methi in different doses and developed these diabetic eggs which I am consuming 2 eggs daily. Three of my problems have been solved which are urination, weakness, and partial memory. Now I sleep soundly without needing to urinate. Now my body is stronger.

6. Dr. Rathi, rathiyaur@yahoo.com, 9354121244

My father consumes Diabeat odorless eggs for more than one month. He observed the following changes in his health. Reduces the inflammation (Itching) and wound healing time. Improve digestion. Reduce flatulence. Improve fatigue i.e., lethargy

7. Dr. JanakRaj (+91 9416062252) observed that there was no smell in the eggs, the sugar levels were maintained. No weight gain and the cholesterol level were also normal. The eggs boosted the energy in the body.

8. Dr. D.C. Dhablania B.V.SC& AH, M.V.SC, Ph.D (Hons) Ex. Director & Head Clinic s (P.A.U. Ludhiana) M-94634-20859

They are almost odorless. They control Sugar level fasting to 20-30 points. Regulate urinary flow and prevent well due to proteinuria quality of eggs consume I also had reduced my insulin doses by Diabetic Odorless Eggs. The Eggs have definite positive effects on the whole.

9. Dr. S.P Rana, Ex. Director Government Animal Husbandry, Haryana

Good news about your treatment of long diabetic problem by taking Herbal eggs produced by a poultry



farm supervised by our classmate Dr M L Kansal. The insulin injections taken by you have been reduced considerably. It shows Diabeat Odorless eggs are quite effective in the treatment of Diabetes. A word of caution doesn't stop your regular medication.

Comments: -

1. Dr. A. S. Nanda, Ex. Vice Chancellor GADVASU, M-70874-29236

Hats off to your tireless efforts in promotion of health through consumption of innovated eggs.

2. Dr. Dhैया Ex. Professor Ph.D, Haryana Agricultural University, M-94682-26283

Salute to your research dedicated to the society. Keep going. God bless you excellent health and long life.

3. Dr. Ranjeet Singh, Ex. Professor GADVASU, M-81465-51704

Very good information and it must help in recovery from diabetes.

These eggs have to be consumed daily depending upon the sugar level of the patient. The sugar level has to maintain the medicines you have been taking while you are consuming the eggs. These eggs are manufactured at Kansal and Kansal Agro Farm, village Kohand, district Karnal.

Srinivasa



Hy-Line

International Bird Now Customized for **INDIA**

W-80i

- **Local Breeding Program**
- **Maximum No. of Saleable Eggs**
- **Maximum Livability**
- **Lowest Feed Per Egg**



📍 **Registered Office** : Plot No. 82,
Kavuri Hills, Phase II, Madhapur,
Hyderabad - 500081, Telangana, India.

✉ **E-mail** : contact@srinivasa.co

☎ **Phone** : +91 40 23633500 / 501, +91 91000 21340

🌐 www.srinivasa.co | Follow us on     

Srinivasa Farms

Srinivasa Farms Private Limited

(CIN : U01222TG1983PTC003979)



BhuQuinol

Chlorhydroxyquinoline 60% w/w

Non Antibiotic Growth Promoter

COMPOSITION:

Each Kg contains
Chlorhydroxyquinoline 60% w/w

USP:

- ⊙ Unique in its class
- ⊙ Highly effective against Bacteria, Protozoa & Fungal infections
- ⊙ Inhibits respiration across bacterial cell wall leading it's death
- ⊙ Helps to maintain gut motility
- ⊙ No Resistance
- ⊙ No Residual effects
- ⊙ Effectively control nonspecific diarrhoea / loose droppings - Compatible with all drugs

INDICATIONS:

- ⊙ Best non antibiotic growth promoter works against Gm + and Gm - and Fungi
- ⊙ Prevent & Control non specific diarrhoea
- ⊙ Control loose droppings and their by flies
- ⊙ Support anticoccidia actions

USAGE:

- ⊙ Poultry:
 - Growth Promoter - 100 gm Gm/MT of Feed
 - Treatment - Up to 500 Gm/MT (depending upon severity) (Enteritis/ Diarrhoea/Loose Droppings)
- ⊙ Cattle/Sheep/Goat/Pig : 200 gm Gm/MT
- ⊙ Fish: 0.1% in water/feed

OR

As Recommended by Technician

WITHDRAWAL PERIOD:

No residue during withdrawal period

BHUVANA NUTRIBIO SCIENCES

E-7, 2nd Floor, Opp. Gate No.1, Gultekadi, Pune - 411037. (India)

Web : www.bhuvanabs.com Email : bhuvanaseservices@gmail.com | services@bhuvanabs.com

Mob.: +91 8975590191 (Service Manager) www.bhuvanabs.com



REGIONAL DISTRIBUTORS

North India -Ambala
Jouster Enterprises,
Mr. Jodh Singh
+91 9306732818

East India - Kolkata
Stats Speciality Products Pvt Ltd,
Dr Tridib Chatterjee
+91 9306732818

Gujarat
Roshanali A-Z, Anand
Mr. Riyaz Dadwani
+91 8780387496

North Karnataka
Jay Enterprises
Mr Girish Babu
+91 9449824871

Karnataka - Bangalore
Tirumala Agencies,
Mr. Subramanyam
+91 9845856407



Bhuvana
NutriBio Sciences
ISO, GMP & HACCP Certified Company

BhuTox

Complete Solution for Toxins & Moulds

Benefits :

- It binds multiple toxins & shows consistent toxins binding efficacy.
- Effectively work as mould inhibitors
- It does not bind any essential micronutrients.
- Wide adsorption capacity with special treated clay.
- Support to vital organs from special additives.



Store in a closed condition in a cool and dry place & protect from direct sun light



USE NO HOOKS



KEEP DRY

ANIMAL FEED SUPPLEMENT
NOT FOR HUMAN/MEDICINAL USE

Composition:

Blend of Activated Special Clays,
Organic Acid Complex,
Mannan Oligo Saccharides (MOS),
Lipotropic agents, Oxinated Copper,
Special additives and
Anti caking Agents

Dose :

Poultry/Pig/Cattle:
500 g to 1000 g per MT
OR
1000-2000 g per MT
(If moisture is high (> 15 %)

BHUVANA NUTRIBIO SCIENCES

E-7, 2nd Floor, Opp. Gate No.1, Gultekadi, Pune - 411037. (India)

Web : www.bhuvanabs.com Email : bhuvanabservices@gmail.com | services@bhuvanabs.com

Mob.: +91 8975590191 (Service Manager) www.bhuvanabs.com

REGIONAL DISTRIBUTORS

North India -Ambala
Jouster Enterprises,
Mr. Jodh Singh
+91 9306732818

East India - Kolkata
Stats Speciality Products Pvt Ltd,
Dr Tridib Chatterjee
+91 9306732818

Gujarat
Roshanali A-Z, Anand
Mr. Riyaz Dadwani
+91 8780387496

North Karnataka
Jay Enterprises
Mr Girish Babu
+91 9449824871

Karnatka - Bangalore
Tirumala Agencies,
Mr. Subramanyam
+91 9845856407

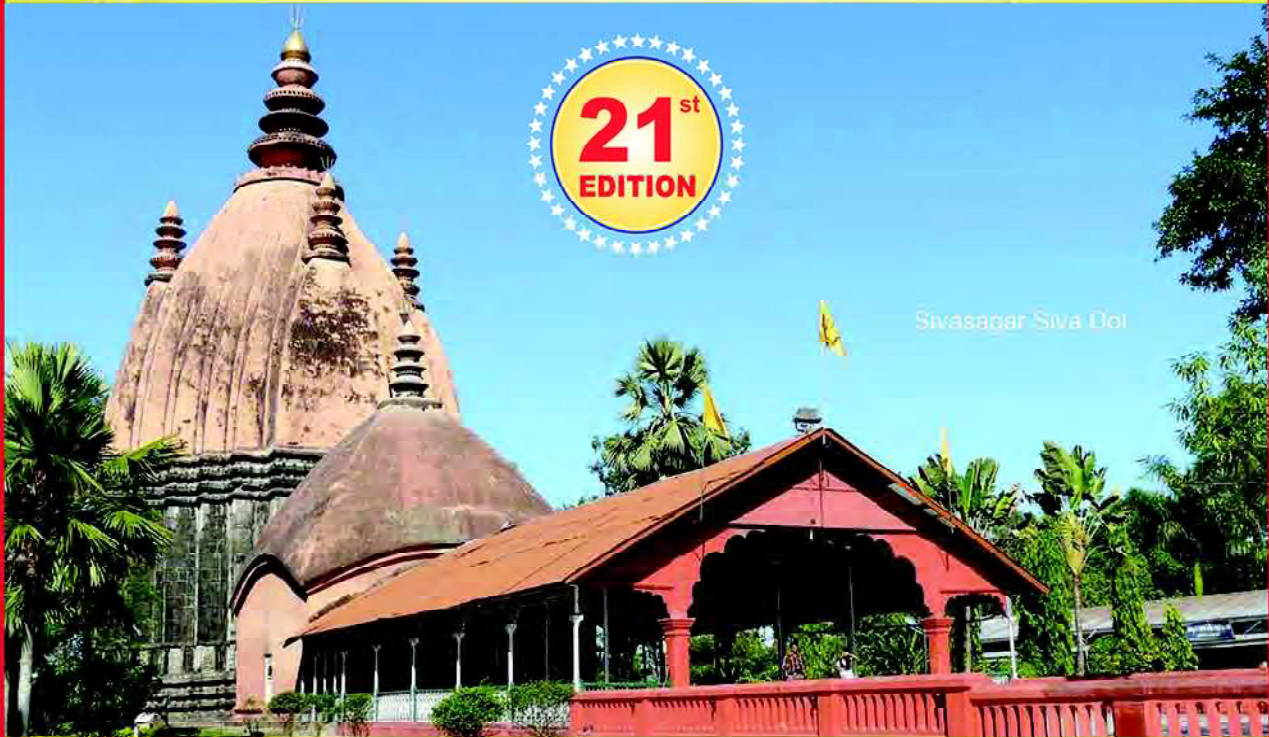
Our First Ever Expo in Guwahati, Assam



INDIA POULTRY EXPO 2022

(Opportunities for all)

A Joint venture of Tezasvi Events & People for Poultry



21st
EDITION

Sivasagar Siva Doi

Date

14-15-16
September 2022

Venue:

Maniram Dewan Trade Centre AC
Guwahati, Assam

Contact :

TEZASVI EVENTS

2-1-444/16, 1st Floor, O.U.Road, Nallakunta, Hyderabad - 44.

Cell: 9849368003, 6309677047

Email: tezasvievents@gmail.com



National Seminar organized at ICAR-DPR



Dr. V.Ravinder Reddy, Dr. G. Ranjith Reddy and Dr. R.N. Chatterjee



Lighting of the lamp by dignitaries

ICAR-Directorate of Poultry Research, Hyderabad organized a one-day National Seminar in collaboration with Indian Poultry Science Association- Telangana and Andhra Pradesh Chapter on the topic “Revisiting poultry production and marketing systems for addressing the fast changing consumer preferences” on 6th May 2022. Dr. G. Ranjith Reddy, Member of Parliament (Lok Sabha), Chevella, Telangana has graced the Seminar as the Chief Guest.

Dr. R.N. Chatterjee, Director, ICAR-DPR welcomed the dignitaries and the participants to the Seminar. He said that it is very delightful to organize the Seminar in the offline mode after a very long

gap. He highlighted the role of Poultry industry and its contribution to the national economy. Dr. S.V. Rama Rao, Principal Scientist elaborated on the theme of the National Seminar and its high relevance during this pandemic era. Dr. V. Ravinder Reddy, Vice Chancellor, P.V. Narsimha Rao Telangana Veterinary University, Hyderabad, the Guest of Honour for the Seminar, emphasised the need to support the poultry farmers by providing the feed ingredients in time at a reasonable cost. He also opined that proper biosecurity and health measures should be taken to control the emerging and remerging poultry diseases.



Dr. V. Ravinder Reddy, VC, Telangana Vety. University addressing the audience



Dr. G. Ranjith Reddy delivering Chief Guest address



Dr. R.N. Chatterjee felicitating Dr. G.Ranjith Reddy

The Chief Guest of the programme, Dr. G. Ranjith Reddy appreciated the efforts of the Directorate in organizing the Seminar at this crucial time when feed prices are skyrocketing and creating havoc for the poultry industry in the country. He said that the deliberations should focus on highlighting the health benefits of egg and chicken meat, and also convince the consumers about the myths circulating in the social media about chicken and eggs. He advocated that the industry should stay strong in marketing, publicizing and advertising their products. He also encouraged the young Veterinary graduates to venture into the poultry sector as there are a lot of opportunities. The dignitaries released a book on "Poultry Feed: Region specific" authored by Dr. S.V. Rama Rao, Dr. A. Kannan and Dr. M.V.L.N. Raju of the Directorate. They also released



Dr. Ranjith Reddy releasing the book "Poultry Feed : Region Specific" published by DPR

the Vermicompost "Vermipoul" developed by Dr. R.K. Mahapatra from poultry litter under the programme "Wealth from waste". Dr. M.V.L.N. Raju, Principal Scientist proposed vote of thanks for the inaugural program.

Subsequently, invited lectures were delivered by eminent speakers in the field of poultry. In the forenoon, Shri K.G. Anand, General Manager, Venkateswara Hatcheries, Hyderabad spoke on the current status of poultry industry, challenges and opportunities. Dr. P.S. Mahesh, JC (Poultry), Govt. of India and Director, CPDO & TI, Bengaluru delivered a talk on human protein mission through poultry. Dr. A.S. Ranade, Assoc. Dean, Mumbai Veterinary College and President, Indian Poultry



Dr. Ranjith Reddy releasing Vermicompost developed at DPR



Dr. S.V. Rama Rao introducing the seminar theme



Dr. R.N. Chatterjee giving welcome address



Dr. M.V.L.N. Raju proposing vote of thanks

Science Association (IPSA) talked about the issues concerning poultry welfare and the current challenges.

In the afternoon, Dr. U.C. Patel, Proprietor, PCS, Ahmadabad spoke on the importance of precision feeding for reducing feed cost. Shri Suresh Rayudu Ch., CEO, Srinivasa Poultry Farms, Hyderabad and Chairman, International Egg Commission has highlighted the relevance of branding and appropriate strategies for effective marketing of eggs and meat in the country. Dr. M.M. Chawak, General Manager, PDRC, Pune dealt the topic on current scenario of poultry diseases in the country and the ways for their prevention and control. Dr. Mujeeb Ather, Deputy Director (Retd.), VBRI, Hyderabad gave a talk on the notifiable diseases and the way forward to minimize their incidence in the country. In the last talk, Shri Tommy Lim,

Product Manager, Big Dutchman shared his experiences on EC housing in the Indian context.

This was followed by the Plenary Session, which was chaired by Dr. R.N. Chatterjee, Director, ICAR-DPR and Co-chaired by Dr. T. Kotaiah, MD, IndBro Research & Breeding Farms Pvt. Ltd., Hyderabad; Dr. V. R. Reddy, Retired Professor, Hyderabad, and Dr. A.S. Ranade, Associate Dean, Mumbai Veterinary College. The Seminar was attended by Scientists from DPR, Officials, staff and students from the Telangana Veterinary University, Poultry entrepreneurs and industry representatives from AP and Telangana (TS), officials from the AH Department and members of IPSA-TS and AP chapter. At the end of the Seminar, Dr. U. Rajkumar, Principal Scientist and Organizing Secretary proposed the vote of thanks.



Dr. P.S. Mahesh delivering invited talk



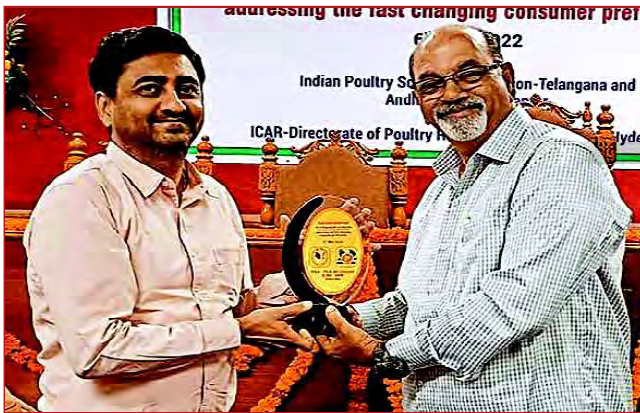
Shri K.G. Anand delivering invited talk



Dr. A.S. Ranade delivering invited talk



Dr.A.S. Ranade presenting memento to Shri Suresh Rayudu, Ch. for delivering invited talk



Dr.A.S. Ranade presenting memento to Dr. U.C. Patel for delivering invited talk



Dr.A.S. Ranade presenting memento to Dr. M.M. Chawak for delivering invited talk



Dr.A.S. Ranade and Dr. R.C.Hazary presenting memento to Dr. Mujeeb Ather for delivering invited talk



Dr.A.S. Ranade and Dr. R.C.Hazary presenting memento to Shri Tomy Lim for delivering invited talk



**Dr. U. Rajkumar, Organising Secretary
conducting sessions**



Plenary session in progress



Audience



S.S. PACKAGINGS

**Mfrs.:
Corrugated Boxes,
Cores Pulp trays, Coir**



**Contact : T. Subramanyam
Managing Partner**

H.No. 5-011/6, Ramireddy Nagar,
IDA, Jeedimetla, Hyderabad-500 055.
Email: slpc.2002@gmail.com

Cell: 98660 75805 Fac. : 040-23095996



**SRI LAKSHMI
PACKAGING COMPANY**

**Mfrs.:
Corrugated Chick Boxes &
Hatching Egg Box
Paper Pulp trays, Coconut Coir**

**Contact : P. Someswara Rao
Managing Partner**

Plot No. S-15 to S-18, Rami Reddy Nagar,
IDA, Jeedimetla, Hyderabad-500 055.
Email: slpc.2002@gmail.com

Cell: 98491 09478 Fac. : 040-20005996

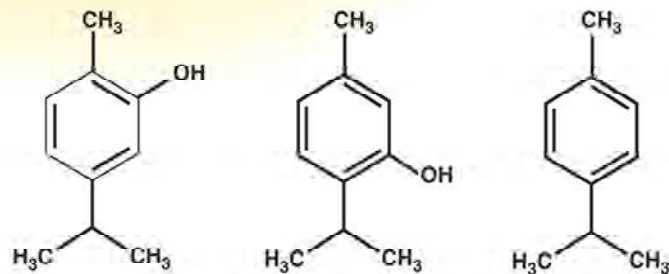


An AAT
Colikil-R[®]
The *E.coli* controller



Colikil-R[®] - The Natural Bactericide

"Leaders in Antibiotic Alternative Therapy"



Regenerating solutions for your changing needs...

Regen Biocorps AHI (P) Ltd.

3rd Floor, D&E 301, Ananta Trendz, Near Narayan Garden Society
Gotri, Vadodara - 390 021, Gujarat (India)

Website: www.regenbiocorps.com

An ISO 9001 : 2008 Certified Co.

we are there when you need the most



Thermogard™

Z-Level Summer Protection

Stay Stressfree, Stay Productive



we are there when you need the most

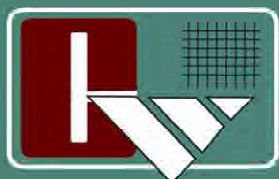
Regenerating solutions for your changing needs...

Regen Biocorps AHI (P) Ltd.

3rd Floor, D&E 301, Ananta Trendz, Near Narayan Garden Society
Gotri, Vadodara - 390 021, Gujarat (India)

Website: www.regenbiocorps.com

An ISO 9001 : 2008 Certified Co.



Omega Group Mumbai, India

Omega Weldedmesh Co. Pvt. Ltd. ■ Omega Farm Equipments
Manilal & Co. ■ Vimal Agencies ■ Elite Wire Products
Serving Poultry Industry since 1969.

Poultry Cage Systems ■ For Commercial Layer ■ For Broiler Breeder ■ For Commercial Broiler



Cage Weldedmesh (Made out of High Quality 300 GSM Wire ONLY)

■ Superior Welding Strength ■ Measurement accuracy ■ Resistance to Corrosion. ■ Customized Solutions



G.I. Stand 'S' Frame



G.I. Stand 'A' Frame



M.S. Frame



G.I. Feeder



Feed Silo



PVC Feeder
100% Virgin Material



Aluminum Feeder



Plumbing Unit



Nipple & PVC Pipe with Saddle



Water Channel



Chain Link



Side Mesh



Cage Mat



Egg Collection System



Auto Feed Trolley



Manure Collection



Cooling Pads & Fans

Administration Office : 209,Sant Tukaram Rd.,Iron Market,Mumbai - 400009. India

Tel.: +91 22 23486977, +91 22 23483664, +91 9324032420, +91 9324032419, +91 9833670617, Fax: +91 22 23481592

E-Mail : response@omegaweldmesh.com ■ vimal.omega@gmail.com ■ vinit.omega@yahoo.co.in ■ www.omegaweldmesh.com

Manufacturing Unit : Plot No. 22, Village Dhansar, Taluka Palghar, Dist. Thane - 401 404, INDIA ■ Tel.:+ 91 2525 240 995



BPower GTH

Next Gen Performance Booster

Ingredients

Amino Acids, Vitamins, Minerals, Liver Tonic, Probiotics, Phytochemical, Essential Oil Extracts, Haematinics, Bone Tonics, Stress Relievers & Other Performance boosters.

Modus Operandi

- Work on dual concept of **Growth & Defence**
- Helps to maintain additional requirement of nutrients
- Active ingredients, maintain vital organs growth & bone strength
- Helps to increase RBC's count in blood
- Activate immune system as per need and protect birds from pathogens
- Special Phytochemical & Essential Oil extracts helps to build immunity & combat infections
- Probiotics helps to maintain GIT and Eubiosis

USP :

- New & Unique Formulation**
- Two way action **Growth & Defence**
- Water Soluble** powder with non sticky and no sediments in water tank and channels.
- Complete Package** Effective combination of: Growth Promoter + Amino Acids + Liver Tonic + Haematinics + Bone Tonic + Probiotics + Nutritional Booster + Special Herbs + Essential Oils Extracts + Stress Relievers & Other Performances Boosters
- Replacement** of same category product is feasible looking to flock status & management
- Proven Results.**
- Highly Bioavailable** forms of ingredients (IP Grade)
- Stabilised** formulation
- Provide wide protection** to birds as preventive and curative therapy
- Extra strengthening** of vital organs and body structure
- Cost effective** formulation.

Dose :

- a) Water**
 - Poultry :** • 5 -10 gm/1000 Chicks
• 25-50 gm/1000 Kg B.Wt.
 - Swine :** • 5-10 gm/10 piglets
• 5-10 gm/pig/day
- b) Feed - 200 gm / MT**
Or As Recommended by Technician

Directions for use :

Calculate total requirement of flock and administer all quantity in drinker as like vaccines dose (drinker dose)

Usage :

recommended as: 5 days in 1st week and then after 2 days every alternative week or during stress condition or any treatment/vaccine course

- Product Pack:** 50gm & 200gm Packet
- Carton Size:** 50gm x150 & 200gm x 50

BHUVANA NUTRIBIO SCIENCES

E-7, 2nd Floor, Opp. Gate No.1, Gultekadi, Pune - 411037. (India)

Web : www.bhuvanans.com Email : bhuvananservices@gmail.com | services@bhuvanans.com Mob.: +91 8975590191 (Service Manager)

www.bhuvanans.com

REGIONAL DISTRIBUTORS

North India -Ambala
Jouster Enterprices,
Mr. Jodh Singh
+91 9306732818

East India - Kolkata
Stats Speciality Products Pvt Ltd.
Dr Tridib Chatterjee
+91 9306732818

Gujarat
Roshanali A-Z, Anand
Mr. Riyaz Dadwani
+91 8780387496

AP & Telangana - Hyderabad
Avighna Enterprices.
Mr. Raju
+91 8886529484

Karnatka - Bangalore
Tirumala Agencies,
Mr. Subramanyam
+91 9845856407

Kadaknath Chicken Farming in India

Suraj Amrutkar¹, Nazam Khan¹, Vikas Mahajan¹, M.A. Malik¹, Suhas Amrutkar², Bharti Deshmukh³

1. Scientist, ILFC, FVSC & AH, SKUAST-J, Jammu.

2. SMS, ILFC, Parbhani Veterinary College, Parbhani, Maharashtra

3. Assistant professor, Department of AGB, GADVASU, Punjab

Introduction: As per NBAGR, there are 19 breed of native chicken in India. Kadaknath is one among them. Kadaknath bird is an Indian breed of chicken. The speciality of the breed is black flesh and internal organs of this chicken are black in colour. So it is called as Black Meat Chicken. Kadaknath bird is also called as Kala Masi. It also to be noted that it is the only black chicken breed of India. The kadaknath bird is popular for its adaptability and its grey-black meat, which is believed to infuse vigour. The breed is consider to have originated from the Kathiwar Alirajapur jungles in Jhabua district of Madhya Pradesh. These birds are mostly breed by rural poor and tribals. There are three varieties: Jet black, golden and pencilled. It may use for dual purpose breed (Egg and Meat). The Kadaknath is popular for its adaptability and its grey-black meat. The roosters weight is 1.8-2.0 kg and Female weight is 1.2 to 1.4 kg. Egg colour of Kadaknath bird is brown with a slightly pink tint. They are poor setters and rarely hatch their own egg. Egg weight is an average 35-40 gm. Kadaknath birds are grey-black all over and have gold plumage with greenish iridescence. The greyish black colour is present in the legs and toenails, beak, tongue, comb and wattles, even the meat, bones and organs have grey colouration. Skin colour of Kadaknath bird is greyish black. Kadaknath is a small-sized bird with small shanks (51.5 mm) at 8th week. It attains the body weight of 865 gm at 20th week. Cock and hens weight about 2000 and 1400 gm, respectively at 40th week of age. The average age at first egg is high (185 days) and egg production potential of this breed is somewhat less (50-55 eggs in 40 weeks). Egg production upto 52 weeks was 90-105 eggs and annual egg production is estimated to be in the range of 120-140 eggs. This breed has good fertility (80-85%) and hatchability on fertile egg is 83-90 %. Eggs are small in size (42-45 gm) but have good shell quality (10.47% shell), with light

brown to brown coloured and yolk to albumen ratio (0.51). Consumers prefer Kadaknath meat due to its desirable flavour and lean meat (1.74-1.85% abdominal fat). Increased demand for healthier meat among consumers has led to the rearing of Kadaknath bird in intensive and semi intensive system around the major cities of India.

Kadaknath is a hardy breed so it is adaptable to all climatic conditions and it has high resistance to many poultry diseases. The blood is darker than normal blood. Black pigment is due to deposition of melanin. The flesh although repulsive to look but it is delicious. The eggs are light brown. The day old chicks are bluish to black with irregular dark stripes over the back. The skin, beak, shanks, toes and soles of feet are slate like in colour. The comb, wattle and tongue are purple. Most of the internal organs of Kadaknath shows intense black colouration which is pronounced in trachea, thoracic and abdominal air sacs, gonads and at the base of the heart and mesentery. Varying degree of black colouration are also seen in the skeletal muscle, tendons, nerves, meninges, brains etc.

Black Meat Chicken:

Many different breed of black meat chicken is spread across the globe. Some of the popular breeds of black meat are listed below:

Sr. No.	Name of Breed	Origin/ native
1	Kadaknath	Madhya Pradesh, India
2	Silkier	China
3	Ayyam cemani	Indonesia

Nutritive Value of Kadaknath meat:

Kadaknath is rich in protein content. Protein in other breeds chicken is 18 to 20% while Kadaknath has 25% higher. Kadaknath has lower cholesterol. Fat content is found to be lowest of all chicken breed

Table 1. Comparison of Kadknath meat with other breed chicken

Sr. No.	Properties	Kadknath Meat	Other Breed chicken
1	Protein content	25 %	18-20 %
2	Fat content	0.73-1.03 %	13-25 %
3	Linoleic acid	24 %	21 %
4	Cholesterol content	184.75 mg/100 gm	218.12 mg/100 gm

(0.73-1.05%). Meat quality is highly appreciated for its distinctive taste, texture and flavor.

Medicinal properties:

Kadknath meat is used for treating various ailments particularly nervous disorder. Blood of kadknath is used for treating chronic diseases by the tribes and its meat is used to infuse vigor in male as aphrodisiac. The melanin pigment in Kadknath had sildenafil citrate, which is a vasodilator that increase blood flow to the heart and acts as Viagra. Kadknath is believe to cure certain special ailments for women such as habitual abortion, sterility, abnormal mensuration (menoxenic).

Eggs:

Eggs are good for old age people and growing kids as it is rich in amino acids and less in cholesterol. Kadknath eggs helps to treat migraine, headaches after giving birth, acute or chronic inflammation of the kidney (nephritis), asthma etc.

Nutritional content of the Kadknath chicken makes it an ideal inclusion in the diet of post COVID patients. Nutritional therapy is the first line of treatment for post COVID -19 patients and optimum intake of nutrients, mainly those crucial to the immune system, should be given through diverse and well-balanced diets. They also recommended that along with Kadknath meat of the chicken, its eggs and other extracts be prescribed for post COVID -19 patients. The content of polunsaturated fatty acid (PUFAs), Docosahexaenoic acid (DHA)-an omega 3 Fatty acid, Zinc, Iron, Vitamin C and essential amino acids and other nutrients which help build immunity. There is number of health benefits which this chicken provides. This chicken gets black staining from melanin and are high in protein and low in fats, including cholesterol. The bird is very popular among the adiwasis mainly due

Table 2. KadknathEgg quality parameters:

Part of Egg	Parameters	Value
Whole Egg	Egg weight	40.59 gm
	Egg Length	5.13 cm
	Egg Width	3.79 cm
	Shape Index	74.02 %
Egg Shell	Shell Weight	4.28 gm
	Shell Thickness	0.34 mm
	Shell Ratio	10.61 %
Egg Albumen	Albumen Length	82.27 mm
	Albumen Width	64.80 mm
	Albumen Height	5.52 mm
	Albumen Index	8.52 %
Egg Yolk	Yolk Length	42.10 mm
	Yolk Width	38.97 mm
	Yolk Height	14.26 mm
	Yolk Index	36.66 %
	Yolk Cholesterol	8.38 mg/g
	HDL	1.84 mg/g
	LDL	0.11 mg/g
	Triacylglycerol	1.76 mg/g

to its adaptability to the local environment, disease resistance, tasty meat quality, texture and flavor, through the flesh of this breed is black. It is considered not only a delicacy of distinctive taste, but also of medicinal value.

Kadknath meat contains polyunsaturated fatty acids (PUFAs), eicosotetraenoic acid and docosahexaenoic acid (DHA), zinc, vitamin C and other vitamins, essential amino acids. Iron that gives the meat its characteristic black colour. Kadknath chicken has all the nutrition required to nourish the human body. It has very low cholesterol and fat, which has been confirmed. A diet high in fat and cholesterol depletes artery protecting immune cells, turning them in to promoters of inflammation, which

raises plaque (fatty deposits) buildup inside the walls of arterial walls, both hardening and narrowing them, which makes the heart pump harder to keep the blood flowing. Plaque sometimes breaks, fully or partially and clogs the arteries, stopping blood flow to trigger a heart attack or stroke. The damage can be countered by taking in more high density lipoproteins (HDL) or good cholesterol. High HDL levels in the blood help the immune cells to keep the arteries clear. Meat low in cholesterol bears the double benefit of weight loss and reducing cholesterol. Interestingly, the presence of melanin in the blood of the neck of the black chicken makes it good for people suffering from Vitiligo, which makes the skin discoloured unevenly due to the presence of melanin. The meat of this chicken is so believed to be an aphrodisiac and improved low libido. Kadaknath eggs are naturally a great source of protein and nutrients that makes them great for weight loss. Apart from that, these kadaknath eggs are simple cure for severe headaches, asthma, nephritis and boosts immunity. The meat and eggs of this Kadaknath chicken are good source to cure tuberculosis.

It has a very distinct flavor and texture many compare to partridge and other game fowl. Kadaknath chicken has a peculiar effectiveness in treating women discuss, sterility, Menoxenic (abnormal menstruation), habitual abortion. Kadaknath meat has high levels of vitamins B1, B2, B6, B12, C and E, niacin, protein, fat, calcium, phosphorus, iron, nicotinic acid etc. high level of 18 essential amino acids as well as hormones that are required by human body. It is found suitable for cardiac patients as it increases blood supply to the heart. The eggs are also an ideal nutritive, especially for old people and high blood pressure victims, since the cholesterol content is lower, rich in amino acids as compared to other kinds of birds.

In these COVID times, when we need to have a good health and improved immunity; Kadaknath meat can be alternate option for us. With so many health related benefits Kadaknath meat and eggs are must ingredient of a healthy diet plan. It is one of the healthiest meat. It is very important to make people aware about this breed and also popularized

this breed among rural masses who can also adopt this as an enterprise for income generation.

Disease and its resistance:

The Kadaknath is highly disease resistant and hardy bird. Unlike broiler chicken, it can survive and even thrive on kitchen waste. It is also a semi scavenger birds. Kadaknath chick is very active at day old stage. Due to small size of Kadaknath chick, proper brooding (first 7 days) management has to take i.e. temperature and ventilation. Prestarter ration has to provide during first few weeks of age. Under severe stress condition, mortality of birds can occurs. Proper balance ration has to provide to birdsto save the bird from severe stress. Bird has to vaccinate for Ranikhet and IBD disease on time. Cannibalism is common problem arises in adult Kadaknath birds due to unbalanced feed. Proper biosecurity measures have to follow to maintain Kadaknath Poultry farm. Prevention is better than cure.

The famous Kadaknath chicken meat from Jhabua district of MadhyaPradesh has now got a Geographical Indication (GI) tag. The tag denotes that the product comes from a particular geographical area, and often enhances its commercial value. Due to the relatively high consumption of this breed, its numbers have sharply declined throughout the years. To save the breed from extinction, Government as well as private hatcheries has to start Kadaknath Poultry Breeding program.

Conclusion:

Quality of Kadaknath meat and egg is very high as compared to other chicken but at the same time, cost of Kadaknath bird is also very high (Rs. 800/- per Kg body weight). Commercial Kadaknath farming is profitable business if you can sell your bird at high rate. Cost of production is very high as compared to other kroiler or broiler birds under intensive type of rearing. You can not sell this bird below production cost. Due to high price, only VIP customers can only afford this meat to eat. So before starting this business, local demand in your area has to check first. Otherwise, due to lack market, there is chance of huge loss in business. Better to start this enterprise from small scale.

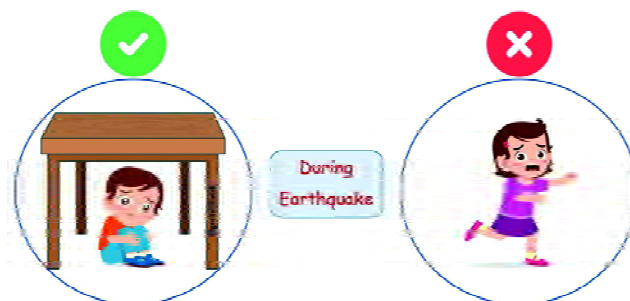
Tackling Earthquakes in Prone Areas

Gourab Basak, Priyanka Syal, Sundus Gazal, Sumeet Singh, Abhilash Jadhao, Asiya Mushtaq
Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana

Earthquake is a natural geological calamity that can occur any time often with much destructive capabilities. This in turn creates destabilization of government, economy as well as infrastructures. The cause lies with the stress created on the Earth's crust because of the movement of plate-boundaries, viz., pulling away from each other, pushing against one another and sliding sideways relative to each other plate motions (divergent, convergent, transformational). Therefore, prevention is the best way to deal with incidences of earthquake in earthquake prone areas. Besides, possible risk reduction measures should also be firmly adopted to witness a minimum or no loss in case. The following are the measures which we can follow.

Personal/community preparedness: Community preparedness is vital for mitigating earthquake impact. The most effective way to save even in a slightest shaking is 'DROP, COVER and HOLD'. People residing in such areas should be prepared with a fire extinguisher, first aid kit, a battery-powered radio, a flashlight, extra batteries at home for emergency. Also, there should be a plan where to meet family members after an earthquake and learning first aid. Heavy objects not be placed on upper shelves. During earthquake, people should be calm. If indoor, stand against a wall/in a doorway/crawl under desk/table but away from windows, outside doors and glass items. No use of matches, candles, any flame, elevators. If outdoors, be in open away from power lines/ buildings/ anything that might fall. If in car, stay inside avoiding crowd, bridges, overpasses, underpasses, buildings, collapsible things. If near a coastline in a high-risk area, immediately move inland/higher ground and remain there until officials declare the area safe as earthquakes can trigger tsunamis. After subsiding of earthquake, attentive for emergency information and safety guidance, checking for fallen power and gas lines, damaged areas, avoiding and informing to the concern authorities for cracks/damage buildings and importantly be alert and anticipated for after-shocks.

Planning: Bureau of Indian Standards has published building codes and guidelines for safe construction of buildings against earthquakes. Before the buildings are constructed the building plans have to



be checked by the Municipality, according to the laid down bylaws. Many existing lifeline buildings such as hospitals, schools and fire stations may not be built with earthquake safety measures. Their earthquake safety needs to be upgraded by retrofitting techniques.

Engineered structures: Buildings be constructed according to the laid down bylaws to withstand ground shaking. Architectural and engineering inputs need to be put together to improve building design and construction practices. The soil type needs to be analysed before construction. Building structures on soft soil should be avoided as such buildings are more likely to get damaged even if the magnitude of the earthquake is not strong. Similar problems persist in the buildings constructed on the river banks which have alluvial soil. Incorporating earthquake resistant features in all buildings at high-risk areas. Making all public utilities like water supply systems, communication networks, electricity lines etc. earthquake-proof. Creating alternative arrangements to reduce damages to infrastructure facilities.

Public education on causes, characteristics of earthquake and preparedness measures is important. It can be created through sensitization and training programme for community, architects, engineers, builders, masons, teachers, government functionaries, teachers and students.

Besides, retrofitting of weak structures in highly seismic zones, preparation of disaster related literature in local languages with dos and don'ts for construction, getting communities involved in the process of disaster mitigation through education and awareness, networking of local NGOs working in the area of disaster management are the prominent ones.

PATENTED

CHROMIATE-C

CHROMIUM PROPIONATE

(US Patent No: 9,663,438)

With Vitamin C And Black Cumin Powder



Stress Buster 365 days

Features & Benefits :

- **First in class unique formulation** in India
- **Chromium content 4000 mg** of propionate per kg & 800 mg as per inclusion dose
- **Coated Vitamin C content 125000 mg** per kg & 25000 mg as per inclusion dose
- **Vitamin C** supplementation complements chromium uptake & stress management
- Added **Black Cumin** seed powder support as immunity booster
- Using **Zeolyte** as a best carrier instead of calcium carbonate
- Chromiate C is Next level **Stress Reliever for all season**
- **Optimum RBV** value (Relative Biological Value) helps for good bioavailability
- **Support** Ovary regeneration and brain development (CNS)
- **Maintaining Appropriate levels of Chromiate C** in feed (800 ppm) shows significant growth in performances
- Original Product Pack from USA Manufacturing unit.
- **Value to money**

Guaranteed Analysis:

Chromium Propionate 4000 mg per kg
Coated Vitamin C 1,25,000 mg per kg

Ingredients:

Chromium Propionate, Coated Vitamin C, Black Cumin Powder and Zeolyte

Feeding Directions:

Poultry : 200 grams per ton of feed
Dairy : 300 grams per ton of feed
Each dose (200 grams) of Chromiate provides 800 mg of Chromium Propionate and 25,000 mg of Coated Vitamin C.

Packing:

25 Kg Bag



Manufactured By:

NuTech Biosciences, Inc.
537, Fitch Street, Oneida, New York, USA
13421315-505-6500
www.nutechbiosciences.com



Marketed By:

Bhuvana Nutribio Sciences
E.7, 2nd Floor, Above Mahavir Motors,
Opp. Gate No.1, Market Yard,
Gultekadi, Pune. 411037, India.
www.bhuvanans.com
bhuvananservices@gmail.com
services@bhuvanans.com
+91 8975590191 (Service Manager)

REGIONAL DISTRIBUTORS

North India - Ambala
Jouster Enterprises,
Mr. Jodh Singh
+91 9306732818

East India - Kolkata
Stats Speciality Products Pvt Ltd,
Dr. Tridib Chatterjee
+91 9306732818

Gujarat - Ahmedabad
S A Agrovet,
Abdulkarim Vakaliya
+91 9898361298

AP & Telangana - Hyderabad
Avighna Enterprises,
Mr. Raju
+91 8886529484

Karnataka - Bangalore
Tirumala Agencies,
Mr. Subramanyam
+91 9845856407

Lamba's

New Ray in Poultry Nutrition...

Rovitex™

Nutritionally Balanced Feed

World Class 7.5% and 10% Concentrates

Broiler Concentrates:

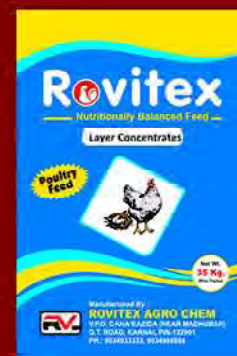
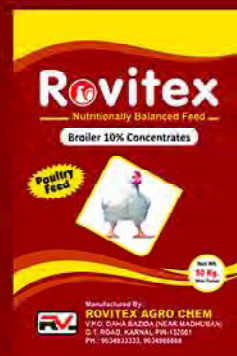
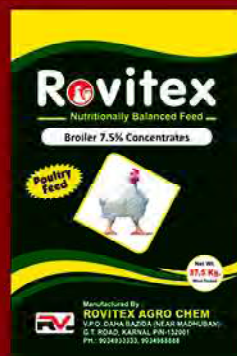
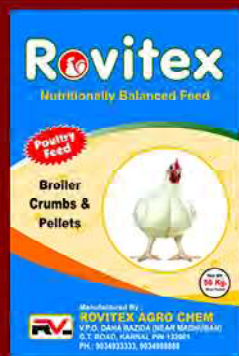
- ❖ Broiler 10% Concentrates
- ❖ Broiler 7.5% Concentrates
- ❖ Broiler 5.5% Concentrates
- ❖ Broiler 3.5% Concentrates
- ❖ Broiler 2.5% Concentrates
- ❖ Broiler 1.5% Concentrates

Layer Concentrates:

- ❖ Layer 5% Concentrates
- ❖ Layer 10% Concentrates
- ❖ Layer 25% Concentrates
- ❖ Layer 35% Concentrates

Broiler Crumbs/Pellets:

- ❖ Broiler Pre-Starter Crumbs
- ❖ Broiler Starter Crumbs
- ❖ Broiler Finisher Pellets



ROVITEX AGRO CHEM

H.O.: R.A-548, SADAR BAZAR, GANDHI CHOWK, KARNAL 132001 (HARYANA)

WORKS: V.P.O. DAHA BAZIDA (NEAR MADHUBAN), G.T. ROAD, KARNAL 132001 (HARYANA)

Ranjeet Singh Lamba: +91-99917-11111, 90349-33333

Samarjeet Singh Lamba: +91-90349-88888, 95410-22000

E-mail: rovitexagrochem2016@gmail.com, lamba122117@gmail.com

Dealers enquiries solicited from unrepresented areas

SAI KRISHNA

POULTRY EQUIPMENTS



Chick Feeder



Egg Tray



Chick Feed Tray



Chick Drinker



Drinker
(Assemble Valve System)



Deluxe Drinker
(Standard & Large)



Feeder



Gas Brooder



Chain Link Mesh



Jumbo Drinker



SAI KRISHNA PLASTIC INDUSTRIES

Manufacturers of Plastic Poultry Equipments

Factory : Behind Petrol Bunk, Padmanagar, Karimnagar - 505002, Tel : 0878 - 6504508, Mobile : 98490 59508
Sales Depot : Plot No : 11, Road No:2, Opp : Nimanthran Function Hall, Mamatanagar Colony, Nagole, HYDERABAD - 68. (A.P),
Tel : 040 64610508, Mobile : 92466 59508, E-mail : info@saiKrishnapoultry.com, Web : www.saiKrishnapoultry.com



FLIES
 ARE NOT JUST THE
PROBLEM
 THEY ARE THE
MAJOR
 CAUSE OF ALL
YOUR
PROBLEMS

To **COMBAT** With **FLY MENACE** use
DRYLITT
Fly Over
STRONG

Marketed By:
Exotic
 Biosolutions Pvt. Ltd.
 311, 3rd Floor,
 Ascot Center Co-op Soc.ltd.,
 Sahar Road, Near Hilltone Hotel,
 Opp ITC Maratha Hotel,
 Andheri (East), Mumbai - 400099,
 Maharashtra, INDIA
 TEL.: (022) 28200426/27/28.
 E-mail: info@exoticbiosolutions.com
 www.exoticbiosolutions.com

Manufactured By:
Exotic
 MUSHROOMS
 Survey No - 556, Village Bhadane
 Saralgaon - Kinhalvi Road,
 Tehsil - Murbad,
 Dist: Thane - 421 401,
 Maharashtra, INDIA
 Customer Care No: 8655068108
 Manufacturing Unit
 is certified for
 leading Industry Standards

**TO REDUCE
 FLY BREEDING IN THE FARM**



EXODUST
IMPROVED

AN EFFECTIVE SOLUTION TO MANAGE THE MENACE

Marketed By:
Exotic
 Biosolutions Pvt. Ltd.

311, 3rd Floor, Ascot Center Co-op Soc.ltd.,
 Sahar Road, Opp ITC Maratha Hotel,
 Near Hilltone Hotel, Andheri (East), Mumbai - 400099,
 Maharashtra, INDIA. TEL.: (022) 28200426/27/28.
 E-mail: info@exoticbiosolutions.com
 www.exoticbiosolutions.com

Manufactured By:
Exotic
 MUSHROOMS

SGS
 TUV NORD
 Manufacturing Unit
 is certified for
 leading Industry Standards

**WANTED
DISTRIBUTORS**

LUBING

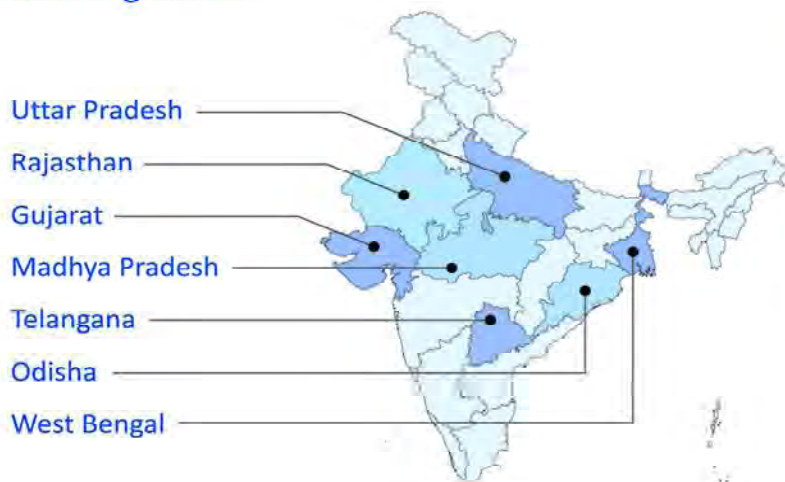


THE ORIGINAL!



Since 2001, Lubing India Pvt. Ltd. is most preferred brand for Nipple Drinking System for Broilers, Layers & Breeder farm.

To cater to its already established markets as well as to tap the areas with huge potential, **Lubing India is looking for financially sound distributors in following states:-**



- **Drinking System**
For Chicks & layers In Cages
- **Top Climate System**
- **Conveyor System**
For Egg Transportation

LUBING INDIA PVT. LTD.

Contact: +91 9975440407
+91 7387007677

Email : sales1@lubingindia.com
sales2@lubingindia.com
URL : www.lubingindia.com



nu▶start
Vitamin/Mineral Soluble Power

Profit Defender

NuStart is a concentrated water-dispersible nutritional supplement Of *Essential Vitamins, Organic Trace Minerals* with Built-in *Acidifiers and Electrolytes*.



- Product from USA
- Best supportive solution for different type of *Lameness, Stress & Immunity*
- Work as *Nutritional Booster* in readily available water soluble form
- Best in class *Bioavailability*
- Helps to Improves Productivity
- Helps Chicks *Livability and Growth*
- Work as tonic following multifactorial *Infectious, Nutritional Deficiencies and Stress Factors*



Distributed by: *Manufactured by:*
NuTech Bio Sciences Pvt.Ltd. NuTech BioSciences Inc.
07-17/3, (3rd Floor, Beside SunCity Nursing Home), 537 Fitch Street,
SunCity Mall Road, Bandlaguda, Hyderabad - 500 086 Oneida NY 13421. USA
M : 8124840326 www.nutechbiosciences.com. 315.505.6500



Marketed by:
Bhavana NutriBio Sciences
E-7, 2nd Floor.Opp. Gate No. 1, Market Yard,
Glutekadi, Pune - 411037. (India)
M : +91 9850979652, 9396686500

Better Nutrition Through Biotechnologies

Back yard poultry rearing: A Successful ARYA youth as inspiration for others

Jyotiprabha Mishra^{1*}, Swagatika Srichandan¹, Prasana Kumar Rath², Bidyut Prava Mishra³ and Nihar Ranjan Sarangi⁴

^{1*}Scientist (Animal Science), ¹Senior Scientist &Head, Krishi Vigyan Kendra, Sambalpur

²Assistant Professor, Department of Pathology, C.V.SC & A.H, O.U.A.T, BBSR

³Assistant Professor, Department of Livestock Products Technology, C.V.SC & A.H, O.U.A.T,

⁴Addl. Veterinary Surgeon, Jamankira, Sambalpur

^{1*}Corresponding author: mishrajyotiprabha@gmail.com

The role of youth is always significant in transforming the present agriculture scenario/status of India. The youth in age group (18 to 35) year has been included in Attracting and Retaining Youth in Agriculture (ARYA) programme. In order to make profitable agriculture, the role of experienced youth is very essential. KVK, Sambalpur has identified total fifteen numbers of youth for developing entrepreneurial units on poultry farming in the year 2020-21. The units were established at their location as per the demand of the market. This scheme was started in the year 2018-2019 and continued in 2020-2021, funded by ICAR, ATARI, and Kolkata. Trainings on domain like scientific poultry farming has been conducted to strengthen their knowledge to apply it in their own unit development. Backyard poultry farming is providing a good source of income to the rural youth as it is easy to manage, less risky and good opportunity in choice of selection of variety of birds. It has the potential to lessen rural poverty, eradicate malnutrition.

Mr. Hemanta Kumar Dehury is having qualification of +2 Pass of village Khairidihi of Jamnakira block having of 2 acres land. He was growing paddy in traditional method. He was facing a lot of difficulties in maintaining his family within his limited income. He was rearing indigenous poultry birds from last year but he was facing problems like mortality of birds due to less knowledge in scientific rearing practices like brooding, vaccination and feeding management in practical ways. So, he was



Hemanta Kumar Dehury

S/o. Hari Dehury

Qualification: +2 Pass

Village: Khairidihi

Block: Jamankira

Ph. Number: **9668824075**

unable to fetch more remuneration from his self-made poultry unit.

During beneficiary selection under ARYA, he was nominated through the ARD official of Block-Jamankira as an interested and enthusiastic participant to be enrolled under ARYA. He got training on scientific poultry farming from 18.02.2020 to 21.02.2020 under ARYA in KVK, Sambalpur. After that he was provided with 100 numbers of Kadaknath poultry birds which was of free of cost from KVK, Sambalpur and other inputs such as feeder, drinker for rearing and he purchased 250 numbers of birds @ 35/- per bird from local market from his own resource. Locally available bamboo, woods and asbestos were used for constructing temporary shed and boundary and paddy husk as litter material. He reared the birds in backyard and gave medication as and when needed with the guidance of KVK, Scientist (Animal Science) and AdditionalVAS, Jamankira, ARD. Expert advice regarding disease management, nutrition as well value addition of different poultry products were imparted by the veterinary college personnel's as and when needed which further motivated him to

take poultry rearing as his passion. During the first few weeks he used to give commercial poultry feed and after that along with commercial poultry feed, he gave other alternative foods like termites, vegetables and azolla etc. to manage the feed cost. He got a good profit by selling the birds on live weight basis and also sold good numbers of eggs in the local market. He purchased more numbers of birds from the profit earned and continuing the unit in a sustainable way at present.

Now he is rearing average 200 poultry birds per batch (which is almost 3 batches per year). He is being bestowed with all the scientific as well as technical guidance from time to time from Scientist (Animal Science), KVK, Sambalpur and ARD of Jamankirablock. Besides this he was linked with ARD department under backyard poultry bird scheme and this year he was linked in 500 broiler birds rearing under sate plan scheme. He sells his birds in local market and neighboring villages @ Rs.220/- per bird in local market. The gross total income is Rs.158400/- and the expenditure incurred is Rs.33600/- including chicks cost, feed, transport, etc. At present the family labor was utilized for day-to-day activities in the farm. Thereby, he earned a net benefit of Rs. 124800/- per year. The scientific knowledge learned from KVK, Sambalpur, the experience gained from his own farm during the farming, and realizing the benefit, he is interested to continue it and wanted to extend the poultry unit for maintaining a stock of 1000 birds in future and also expressed his interest to start duckery unit in future.



Interaction of ARYA youth with resource person



Input distribution



Training on Scientific poultry farming



Poultry unit



ARYA youth provided with chicks



Scavenging of poultry chicks



Brooding



Scientist Visit of poultry unit with ARD official



Feeding of chicks in unit

Conclusion: The unemployed youths are getting a proper guidance and way to divert from getting migrated to other state for getting their source of income by adopting different income generating activities under ARYA. Through, ARYA programme sustainability in enterprises is also observed in many instances. There is emergence of hope to become small scale as well as large scale entrepreneurs by getting all the scientific practices, technical guidance and fruitful path creators among the new entrepreneurs.



innovax[®]
ND-IBD

MORE POWER TO YOU

INNOVAX[®]-ND-IBD - PUTTING YOU IN CONTROL OF WELFARE & PRODUCTIVITY

MSD Animal Health is helping to shape the future of the poultry industry through continuous innovation.

Innovations such as Innovax[®]-ND-IBD the world's first dual-construct HVT vaccine that offers 3-in-1 protection in a single injection - safeguarding your birds from infection challenges before they even leave the hatchery, without the risks of bursal atrophy or interference with infectious bronchitis vaccination and MDA levels.

To find out more please contact your local MSD Animal Health Innovator today.

ALWAYS PRODUCING MORE

 **MSD**
Animal Health

Venworld
THE BEST IN ANIMAL HEALTHCARE

UNLOCK THE IMMUNITY
AT THE RIGHT TIME,
WITH THE RIGHT STRAIN

INTRODUCING

IBD-VIPx

VENTRI'S IMMUNE PLUS COMPLEX

'CATCHING UP WITH THE FUTURE'

VENTRI BIOLOGICALS
(Vaccine Division of VHPL)

'Venkateshwara House', S. No. 114/A/2, Pune Sinhgad Road, Pune 411030. Tel.: +91 (020) 24251803, Fax: +91-20-24251060 / 24251077.



Email: ventri.biologicals@venkys.com

www.venkys.com