

Provet Pharma Private Limited
Welcome
to
Discussion
Current Disease Challenges
&
Optimization of Production Cost



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PoultryTroubleshooter_BDutta

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1

Current Disease Challenge & Optimization of Production Cost



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2

Current Disease Challenge & Optimization of Production Cost

Increase
Production
by
Improving
Productivity
&
Minimizing
Loss



- 20%

One Fifth of
Livestock
around the
World is Lost
due to **Disease**

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3

What is a Disease??

- Disease is **Dis** **Ease**
- Dis means '**Not**' or '**Absent**'
- Ease means '**Easy**' or '**Feeling Well**'
- Disease is a condition when living being suffers from Discomfort
- During discomfort situation, body system does not work normally; one or two organs & in some case all system functions gets disturbed. But in all cases there is loss of appetite & reduced vitality
- In poultry, Disease means poor productivity; reduced growth in broiler and reduced egg production in layer or Breeder



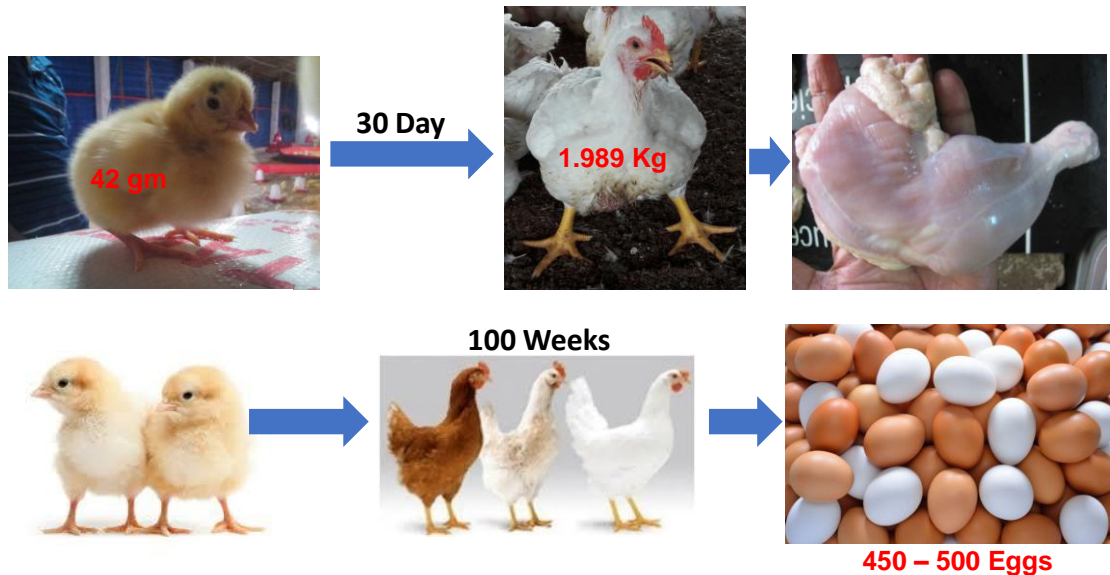
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4

Genetic Potential of today's Chick



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5

Why our Birds are below to their Potential?

Two Challenges to global poultry

- **Feed Cost**
- **Biosecurity**

What are the Challenges & Constraints to our poultry?

- **Awareness** – we need like in Agriculture where Govt is educating the farmer for last 60 years through Radio, Television, Display board.
- **Infrastructure** - Investment on Housing, equipment, technical manpower is very poor
- **Feed Cost** – Feed quality as per Production need of the chicken to Optimize Production Cost, hence Minimize Feed Cost is not a option but Best Cost Feed Formulation is new trend
- **Biosecurity** - we don't care, we through dead birds to dogs, we sale dead & sick birds only to spread disease. Disposal of Dead birds is burning problem in our industry
- **Climate** – our is open farming under God's grace; our chicken suffer chilling in winter & Heat Stress in summer only to be immunosuppressed, poorly performed or died

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6

Need of Today's Chick to perform as per potential

➤ Comfortable Stress-Free House Environment for Chicks 24 x 7

➤ Disease Free Housing of Chicks

➤ Easy accessibility of recommended Feed

➤ Easy accessibility of Safe Drinking Water



➤ Health Management, especially Gut Health throughout the life

➤ Protection from Diseases through Vaccination & Biosecurity

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7

Constraints on the way to our poultry



Extreme Climate causes

- Discomfort & Stress to our chicken like us
- Immunosuppression leading to Disease

Need to Improve House Environment

- Comfort
- Husbandry Practice
- Welfare



Biosecurity – we have to perform or perish

- **Accept Biosecurity as Essential part of Poultry Business**
- Plan for Structural, Conceptual & Functional Changes
- Arrange the above requirements immediately
- Act for 100% Compliance
- Practice Biosecurity as part of life

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8

Present No 1 Challenge to Poultry

Disease



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9

- Challenge is Increasing every day
- Pressure to produce more from same area of land and same no of chicks and same time period to feed the growing world population
- Increasing Financial Need of people while land is decreasing
- Pathogens are mutating themselves to save from human aggression
- Climate changes leading to new & mutated pathogens
- Climate changes producing stress to chicken causing Immunosuppression resulting more disease from existing/resident commensal pathogen

Current Disease Challenge & Optimization of Production Cost

Changes in Broiler Vaccination

1980s > there was only one ND/RD vaccines in Broiler

1990s > Gumboro (IBD) Vaccine added and there was Two vaccinations in Broiler chicks

1998 – 2008 > RD outbreaks compelled us to add booster RD dose and vaccine no to broiler chicks became Three

2008 – 2017 > IB incident in Broiler forced to use IB vaccine and Vaccine no became Four

2018 – 2022 > Hatchery vaccination started for convenience with Four Vaccines at Hatchery & One in farm, total is Five

2023 > Kidney Problem due to mutated Nephropathic IB virus – Five Vaccines at Hatchery & One in farm = Six Vaccines in Broiler

What Next???????

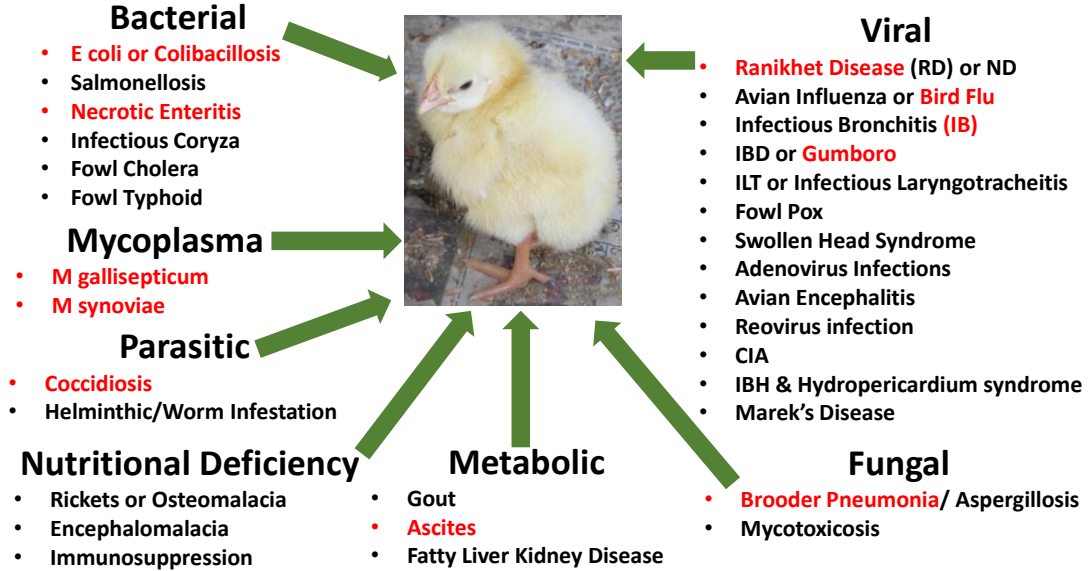
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10

Important Poultry Diseases



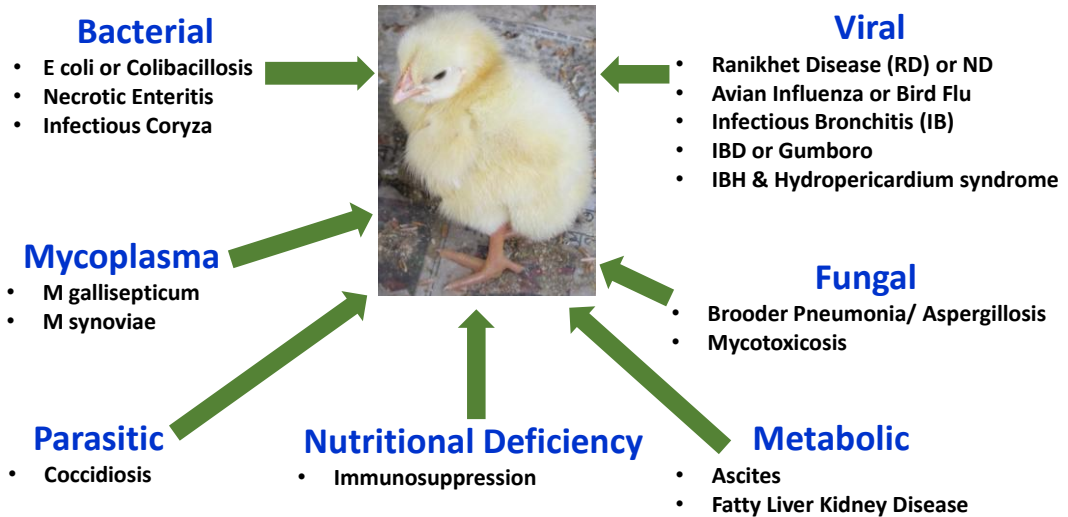
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11

Poultry Diseases – we face regularly



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12

Protection from Disease



Farm shall be situated outside the locality in open area



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13

Protection from Disease



Farm shall be situated outside the locality in open area



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14

Empty Farm Outside Cleaning



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15

Protection from Disease – 100% Biosecurity



Entry Point Biosecurity

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16

Protection from Disease – 100% Biosecurity



Entry Point Biosecurity



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17

White Wash of Mud Floor in Broiler



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18

White Wash of Mud Floor in Broiler



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19

READY FOR BREEDER CHICKS AFTER WHITE WASH



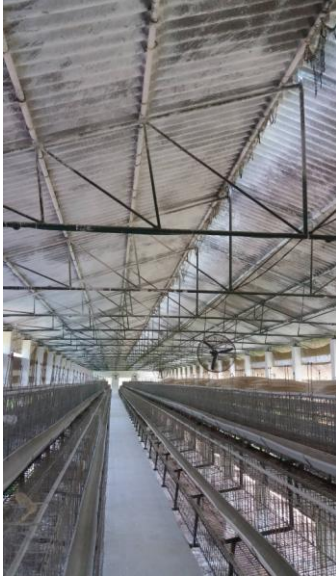
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20

Ready for new Chicks after White Wash – Layer/Breeder



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21

Vaccination for Disease Control & Optimize Production Cost

- Consult Poultry Veterinarian first
- Type of Poultry – Broiler or Layer or Breeder
- Disease History of the area
- Local Available Strain/Serotype
- Availability of Vaccines in the country
- Production Target
- Breeder's Recommendation
- Storage – Cold chain maintenance
- **Application**
 - Temp Maintenance during Total Vaccination period
 - Route – Choose from Recommended as per your convenience; take care of Water Temp, TDS & pH for Drinking Water Vaccination
 - Time – Comfort hours for the chicks, evening hours in summer
 - Disposal of empty vials

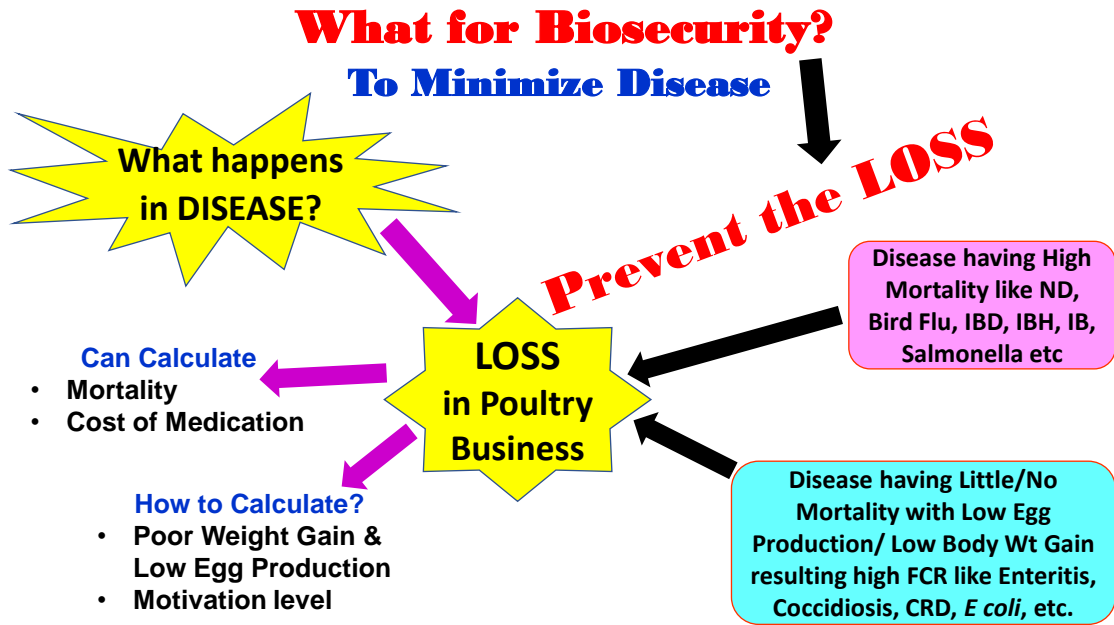


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22



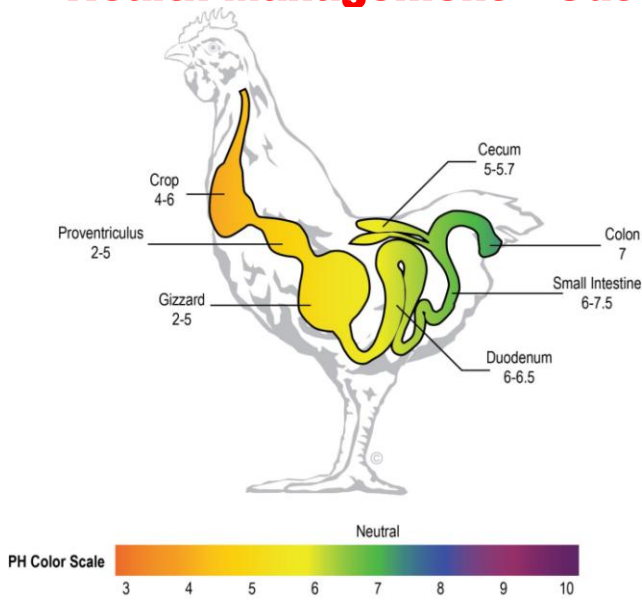
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23

Health Management – Gut Health & Immunity



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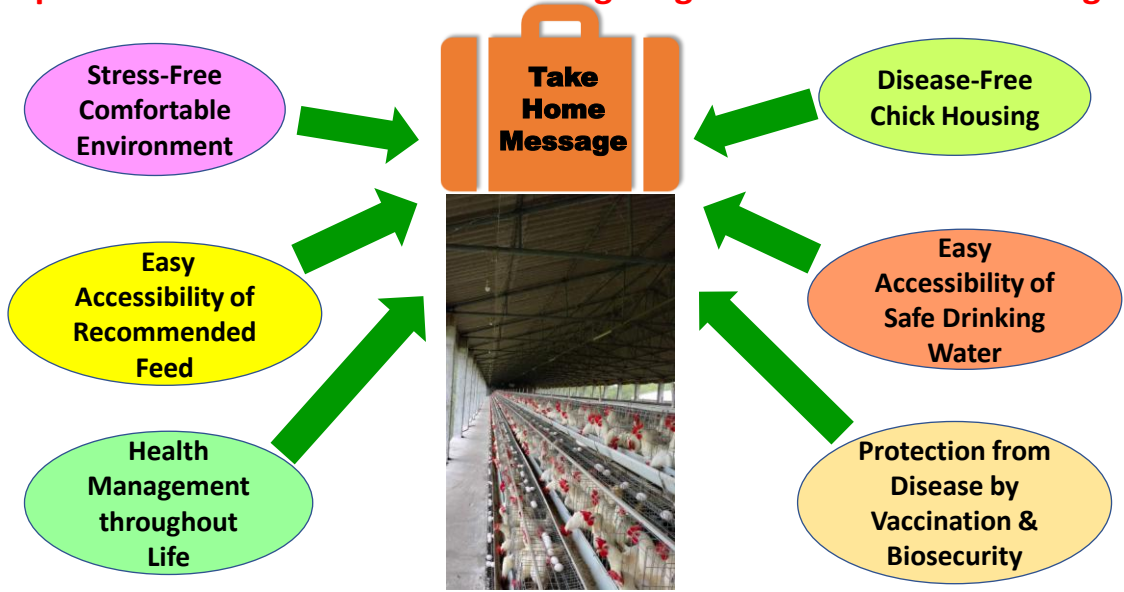
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24

- Digestion of Feed
 - Immunity (70%) Development
 - Entry point of Microbes (Licky Gut)
- Gut or Intestinal Health**
- Safe Drinking Water
 - Water Acidifier
 - Sanitizer
 - Probiotics
- Immunomodulator**
to Improves Immunity
against Disease

Optimization of Production Cost mitigating Current Disease Challenge



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25

Thank You



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26