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BIO-SECURITY

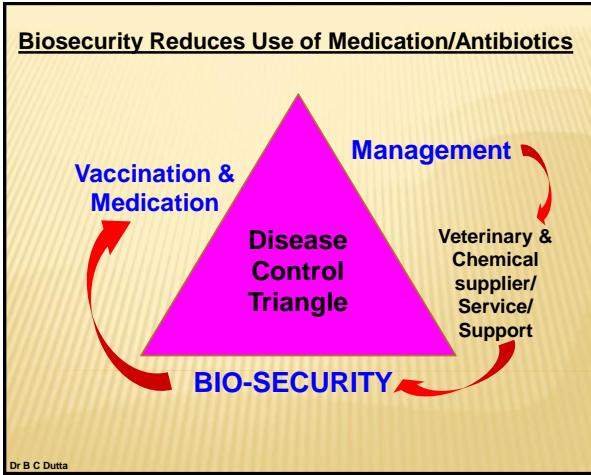
Measures against Spread of Harmful Organisms



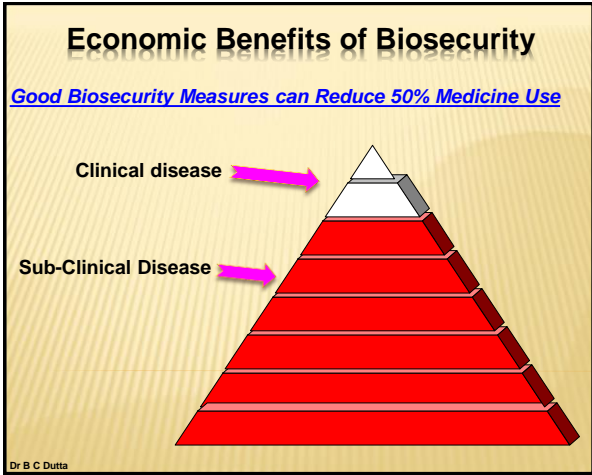
A set of preventive measures **to keep pathogens coming into the Poultry Production Area** and/or preventing their transfer or spread within/to the Poultry Production Site

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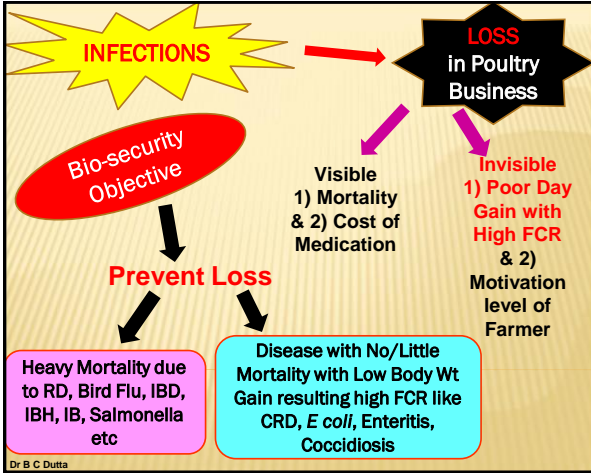
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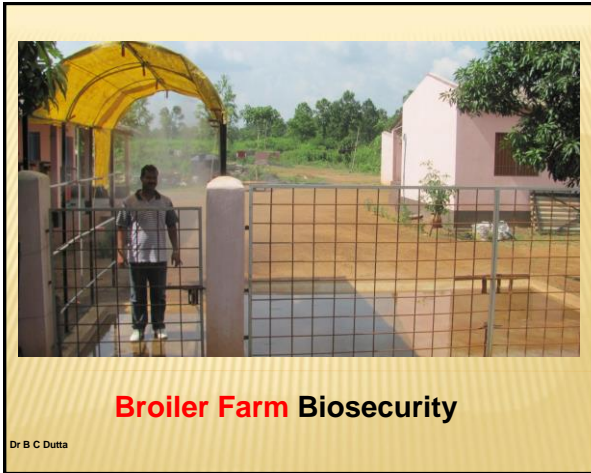
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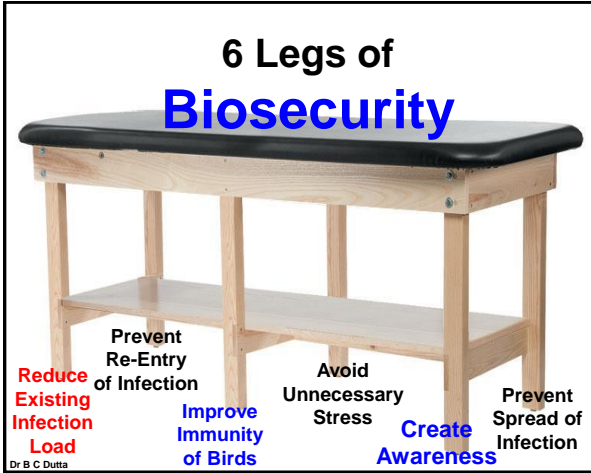
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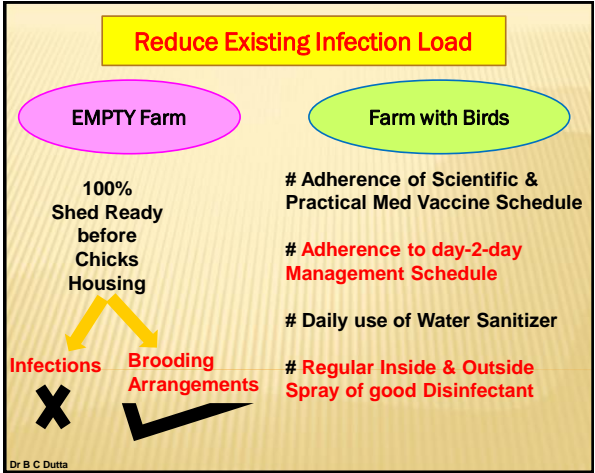
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Standard SHED READY Steps



STEP 1: After the birds are lifted, empty the **feeders**, disconnect the **drinkers**, remove all the **curtains** & **take them out of the shed**

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STEP 2: Clean spider net, dust from the roof, sidewalls, wire mesh from top to bottom of all sheds with hard brush & broom

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Cleaning of overhead tank

It should be scrubbed & cleaned properly to remove slime, algae growth and other depositions.


Fill the tank with 0.5% solution of Bleaching powder, keep it for 24 hrs & then drain the Entire system.

Pipeline Cleaning

- Fill the Pipeline & blue tubes with 5% H2O2 solution, keep them for 4 - 6 hours.
- After the contact period, open the outlet and clean with pressurized plain water

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Curtain cleaning

1st day: Thorough cleaning with plain water & Detergent after removing from shed in a Tank or nearby pond.

2nd day: All curtain to be soaked in a tank in Formalin water (1Lit in 50 Lit water) & Sundry them for 24 hrs

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❖ Equipment cleaning

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Outside Shed CLEANED

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WHITE WASH of Mud floor



for 1000 sq ft
 Add LIME 20 Kg + Bleaching 400gm in 30 Lit WATER, keep it for 24 hours in a Earthen pot. **Next day add Kerosin 500ml + FORMALIN 500ml and paint the floor, side walls, pillars & outside walls as white washing**

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100% SHED READY

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White Wash Shed

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White Wash Shed

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- > Water Sanitizer - day 1 to Lifting
- > Vaccination as per schedule
- > SPRAY Outside - Formalin 2% regularly
- > SPRAY Inside – Good Disinfectant regularly
- > Preventive MEDICATION as per schedule

REDUCE Infection in Presence of Birds

IN SIDE SPRAY WITH BIRDS

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Prevent Re-Entry of Infection

Compulsory Fencing of Farms to prevent entry of dogs & country Chicken



NO ENTRY for Visitor, specially farmer

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Fencing for Garden

Compulsory Fencing of Farms to prevent Entry our Enemy like Cow, goat, dogs & country Chicken

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Fencing for Veg Farm

No Fencing for Poultry Farm

Compulsory Fencing of Farms to prevent Entry our Enemy like Cow, goat, dogs & country Chicken

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Compulsory Fencing of Poultry Farms to prevent entry of dogs & country Chicken



Well Maintained Foot-Bath at entry point

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Visitors NO ENTRY into the farm

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Fencing with Foot-Bath at Entrance

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Well-maintained footbaths at the entrance to each shed.

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Disinfectant Spray of Ready Birds Vehicle before Entry to Farm




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Prevent Spread of Infection

Daily Disposal of Mortality inside the Fenced area of farm by BURIAL or in Death-Pit with Formalin




Do not feed dogs with Mortality

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Restriction on Entry into the Shed by Poultry personal & Poultry Traffic control

Do not visit any farm after visiting Infected farm



Culling of all Weak/Sick chicks regularly as they harbor infections

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Compulsory daily health Check-up of birds from outside the Shed



Post-Mortem of even single Mortality is Must



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Mortality Disposal at Death-Pit with Formalin

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Heavy Mortality Disposal at Death-Pit

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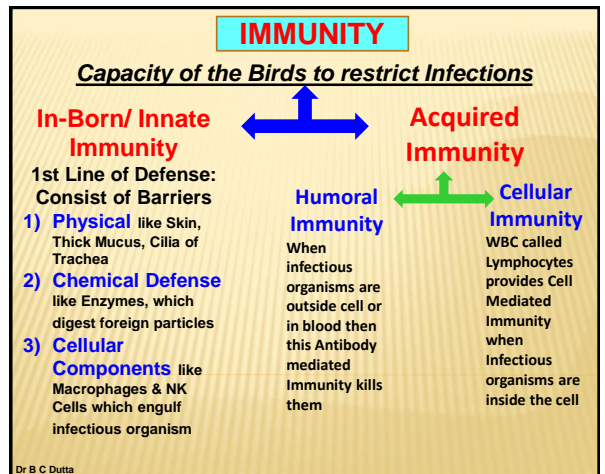
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Disposal of Heavy Mortality by burial

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Improve Immunity

To Protect from Infections & to Sustain Infections

Maintain & Improve **In-born** or **Innate** through Nutrition & Immuno-stimulants

Improve Acquired Immunity: Both **Cell Mediated** & **Humoral** Through Vaccination of Parents and Progeny (Broiler/Layer) considering the Disease Challenge of the area & Identification of the Organism/Strain persist in the area



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Avoid Managemental Stress

To Protect Chicks from Immuno-Suppression

- 1) At **Hatchery** – Ventilation, Hatch Window
- 2) Chick **Transportation** – Time, Temp & Ventilation
- 3) **Housing** – Immediately on reaching
- 4) **Brooding** – a) Comfortable atmosphere considering Temp, Ventilation, Light & Space
b) Early & Easy access to Fresh FEED & Water
c) Unnecessary Antibiotic misuse
- 5) **Extreme Climate** – Cold Stress & Heat Stress
- 6) **Ammonia** build up – Unseen Enemy No 1
- 7) Feed & Water Starvation
- 8) Poor Husbandry Practice

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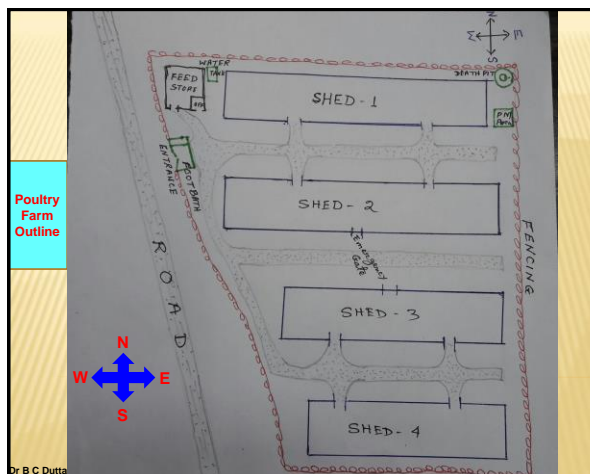
Create Awareness

Among Farmer, farm worker, production staff

- # **What is Bio-security**
- # **Importance & Need of Bio-security in current Poultry scenario**
- # **Benefits of Bio-security Practices**
- # **Process & Technique of Bio-security**

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