



BIOSECURITY

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Some biosecurity measures

- Cleaning and Disinfection is one of the most important steps taken in practicing farm biosecurity.



CLEANING

Remove all solid material then wash with water and detergent.

1. Teepol – ½ to 1 cup/ 5L
2. Vet one plus – 2ml/1L

► Used to remove caked materials on surfaces.



DISINFECTANTS

1. Virukill® - 10ml/10L
2. Ultracide® - 25ml/10L
3. Kerol® - 10ml/10L
4. Microl® - 15ml/1L
5. vet GL 20® - 50ml/10L



Disinfectants cont.....

1. Farm San – 100ml/10L
 2. Pynol – 100ml/10L
 3. Vet Fluid O – 100ml/10L
 4. Farm 30 -100ml/10L
 5. Staldern
- These products if used correctly help reduce and sometimes eliminate micro-organisms on the farm.



VACCINATIONS

- This is one of the measures used to prevent disease.
- For an effective protection this process should be done carefully and properly.
- First make sure the birds are healthy and give them vitamins 1-2days before vaccination.
- Clean the drinkers but don't use disinfectant.
- Starve the birds of water for 1-2 hours before vaccination but give feed.

Vaccination cont....

➤ Amount of water to use for vaccination is 1/6 of the total daily intake of the birds. Or calculate as follows.

➤ Volume= # of doses X Age of birds in days

..... X 1.5

1000

Vaccination cont....

- Add a water stabilizer like aviblue, chlor-ex or skimmed milk (2g/l).
Wait for 15minutes after adding. Boiling also dechlorinates the water.
- Open the vial under water and mix the contents thoroughly.
- Distribute in multiple drinkers and let put for the birds to drink.
- Ideally it should finish within 2 hours after which vitamins should be given

Vaccination cont.....

AGE OF BIRDS IN DAYS	DISEASE	VACCINE	METHOD OF VACCINATION
10	IBD (GUMBORO)	Mild strain e.g gumboro tad, bursine 2	Drinking water
14	NEW CASTLE DISEASE	Lasota clone 30, NCD tad	Drinking water/eye drop
18	IBD (GUMBORO)	Gumboro D78, bursine 2	Drinking water
21	NEW CASTLE DISEASE	Clone 30, NCD avipro	Drinking water.

COMMON DISEASES

➤ ASCITES



Diseases cont....

Newcastle disease

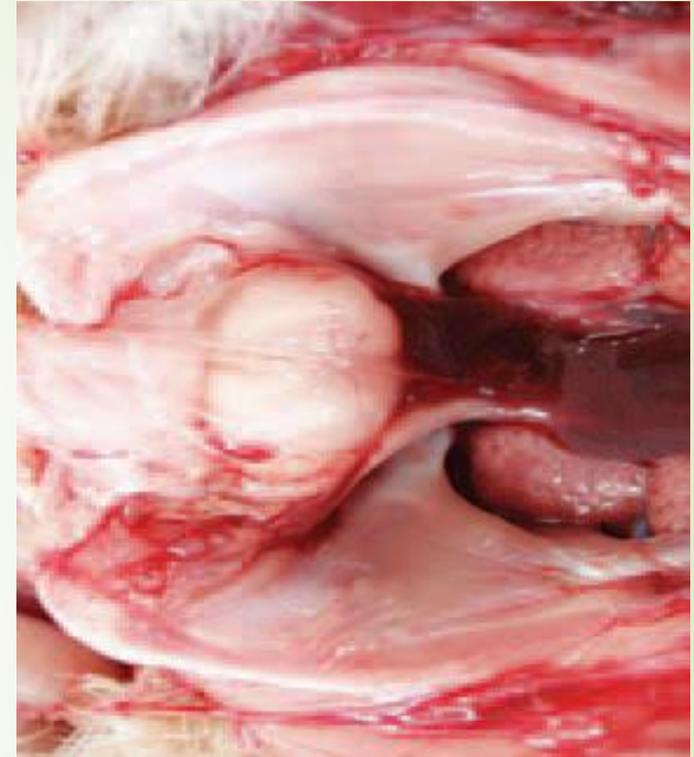
- Watery greenish diarrhoea
- Circling
- Depression
- In appetite
- Gasping, coughing, dragging of legs
- Twisting of neck/torticollis



Diseases cont.....

Gumboro (IBD)

- Subclinical in birds less than 3 weeks
- Clinical in 3-6 weeks
- Prostration
- Watery diarrhoea
- Soiled vents
- Recovery in a week





Diseases cont.....

Chronic respiratory disease

- A respiratory infection involving a complex of bacteria.
- Mostly a result of poor ventilation, wet litter and high stocking density.
- E.coli and mycoplasma are usually implicated
- Can be treated with tiamulin, amoxy50, tetravit etc

Diseases cont....

Coccidiosis

- Severe bloody diarrhoea
- Low weight gain
- Depression
- Due to wet litter and bird access to droppings.
- Can be treated with sulphadimidine, T.S.O, amprolium, baycox, ESb3



Disease cont.....

Vitamin deficiencies

- **VITAMIN B1**
 - Weak legs with paralysis
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- **VITAMIN E**
 - Weak legs with neck twisting



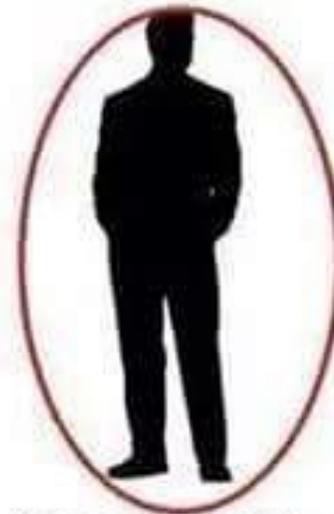
Thank you

DENTIST



6 years education

DOCTOR



6 years education

VETERINARY



6 years education

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