

**Symptom:-** Difficult in respiration, Coughing and sneezing, off fed

**Treatment:-** Broad spectrum antibiotics.

**Vaccination schedule:**

Age	Name of vaccine	Dose & Route of Administration
0-7 day	RDF/LaSota Strain	1-2drops; I/O,I/N route
12-14 day	IBR	1-2drops; I/O,I/N route
28-30day	RDLaSota Strain (booster)	1-2drops; I/O,I/N route
6 <sup>th</sup> wk	Fawl Pox	Wing web
8 <sup>th</sup> wk	RD, R2B Mukteswar-strai	0.5ml, S/C or I/M route
12 <sup>th</sup> wk	IBD (booster)	0.5ml, S/C or I/M route
15 <sup>th</sup> wk	RD,R2B (booster)	0.5ml, S/C or I/M route

(I/O: Intra ocular, I/N: Intra nasal, S/C: Subcutaneous, I/M: Intra Muscular)

**Prepared by:** Dr. Binod Kr. Dutta Borah  
Dr. Santosh Kumar  
(SMS, Animal Science)

**Published by:** Dr. Debasis Sasmal  
Programme Co-ordinator I/C, KVK,Lohit, Namsai District.  
under

Director, ICAR-NRC on Yak, Dirang, W. Kameng, Arunachal Pradesh

**Typed and Designed by:** Md. Ziaur Rahman, Programme Assistant  
(Computer)

[For further details contact](#)

**E.mail :** pckvklohit@gmail.com / Ph.No. 03806200100 & 222381

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## IMPORTANT INFECTIOUS DISEASES OF POULTRY AND THEIR PREVENTIVE MEASURES



**Krishi Vigyan Kendra,  
Lohit, Namsai Dist., Momong  
Arunachal Pradesh  
Pin-792102**

**Under  
ICAR-NRC on Yak, Dirang, West Kameng Dist.  
Arunachal Pradesh**

Poultry are frequently encountered with various seasonal infectious diseases that resulted huge economic losses to the farmers. To mitigate the problems some of the important poultry diseases are discussed here under along with their preventive measures.

### **Newcastle / Ranikhet Disease:**

It is a highly contagious viral disease cause by paramyxovirus. The virus can be transmitted by contaminated equipment, shoes, clothing and free-flying birds.

#### **Symptoms:**

Mortality rate 90-95%, young chickens begin with difficult breathing, gasping and sneezing, continues for ten to fourteen days and may be followed by nervous symptoms, nasal discharge, coughing leading to difficult in respiration and cloudiness in the cornea of the eye, greenish diarrhoea, paralysis in legs and wine or a twisting of the head and neck. The head often is drawn over the back or down between the legs.

**Prevention and control :** Timed Vaccination and Antibiotics for secondary bacterial infection.

### **Avian pox:**

The avian pox disease may occur in any age of bird, at any time. It is a relatively slow-spreading viral disease in birds, characterized by wart-like nodules on the skin and diphtheritic necrotic membranes lining the mouth and upper respiratory system. Birds of all ages that have oral or respiratory system involvement have difficulty eating and breathing.

**Prevention and control :** Timed Vaccination and Antibiotics for secondary bacterial infection.

### **Infectious Bronchitis:**

The causative organism is Corona-virus. Infectious bronchitis is an extremely contagious respiratory disease of chickens characterized by coughing, sneezing and rales (rattling). Some birds may have a slight watery nasal discharge. Mortality ranging from 30-40% of chicken below 3 weeks of

age.

**Prevention and control :** Timed Vaccination and Antibiotics for secondary bacterial infection.

### **Infectious Bursal Disease (Gumboro)**

Infectious bursal disease is an acute, highly contagious viral disease of young chickens

**Symptoms:** Light whitish diarrhoea, Reduce feed intake and weight lost, Dullness with sites leg wide apart. Vaccines are available to prevent the occurrence of the disease.

### **Fowl cholera:**

**Causative agent :-** *Pasteurella multocida*.

**Symptoms:** Light greenish diarrhoea, Anorexia, Ruffled feather, Rapid respiration, Sudden death on the floor or nest

**Treatment :-** Broad spectrum antibiotics.

### **Pullorum disease:**

**Causative agent:** - *Salmonella pullorum*

#### **Symptoms:-**

Huddling together at broader, White diarrhoea by chick and greenish diarrhoeae by adult bird, Peak mortality during second or third week.

**Treatment :-** Broad spectrum antibiotics.

### **Collibacillosis:**

**Causative agent:** - *Escherichia coli*.

**Symptom:-** Diarrhoea, Reduce body weight, Sudden death of young chick

**Treatment :-** Broad spectrum antibiotics or sulphur drugs.

### **Chronic Respiratory Disease (CRD)**

**Causative agent:** - *Mycoplasma gallisepticum*.