

L-13/KVK Lohit/2009-10

# Small Scale Broiler farming



भारत  
ICAR

**Krishi Vigyan Kendra**  
Lohit District  
Arunachal Pradesh

In Lohit District, there is a good potential for popularizing Broiler farming on commercial basis. Every week more than 10 Quintals of broiler birds are brought from Tinsukia of Assam for sale in the local market of Tezu only. There is huge demand for Broiler meat and supply is very less. Therefore, rural youth and farm women can easily start small scale Broiler farms to generate and supplement the family income.

### **Site selection for constructing poultry shed:-**

- ✍ Site should preferably be in an elevated high land to prevent stagnation of rain water,
- ✍ should be exposed to sunlight and there should be free air movement i.e away from big trees and bamboo plants,
- ✍ have clean water source nearby,
- ✍ have electricity connection nearby,
- ✍ connected with an all weather road, and
- ✍ away from human habitation.

### **Constructing the poultry shed:-**

The shed can be constructed economically with locally available building materials. The floor of the house should preferably be cemented but wooden planks can also be used. The side walls can be made of bamboo and roofing can be done by the use of Thatch, Takaow leaves and Vaneer sheets which is an easily available byproduct of vaneer wood industry in Lohit district.

The floor space required for broiler birds is 1 sq. feet per bird. As such, a room of the size 10X10 sq. feet floor area would be required for rearing 100 broiler birds. The direction of the shed should be north to south.

### **Preparation of the brooder house:-**

- ✍ Newly hatched chicks will require delicate housing to ensure proper development and health. The appropriate housing for these chicks is called a brooder.

- ✍ Thoroughly clean the house and white wash it with lime.
- ✍ Place a layer of bedding material (called litter material) on the floor using paddy husk or saw dust.
- ✍ Speard newspaper over the litter material.
- ✍ In order to keep the room warm, artificially, electric bulbs fitted to bamboo baskets or any dome shaped item may be hung from the ceiling by suspending it at least 1 feet above the ground. The bulbs should be put on 2-3 hours before placing the chicks in the brooder house and can be removed after 10-15 days.
- ✍ To restrict the movement of the chicks to a limited area, chick guards of about 1.5 feet height are to be placed in a circular manner by using old cartoon pieces or alluminium sheets. These guards can be removed once the chicks are big enough and starts to jump over.



**Feeding pattern and approximate amount needed are:-**  
 Commercially three type of broiler feed is available.

Type of feed	Feed to be feed from	Amount required in (kg/100chicks)
Pre starter	0 to12 days	1 to 4 each day
Starter	13 to 35 days	4 to 10 each day
Finisher	35 to marketing	10 to11 each day

## Vaccination and supplementation in Broiler birds:

Days of rearing	Vaccination and supplementation to be done
0 to 3 days	Electrolyte powder in drinking water/ antibiotics if prescribed
4 day onward	Vitamin B complex with drinking water
6 day	F 1 ranikhet vaccine(eye drop)
14 day	IBD vaccine
17 to 19	Coccidiostat in drinking water
21 to 35 day	Growth promoter in drinking water
35 to marketing	Liver extract in drinking water

## A simple estimate of establishing a broiler farm with 200 birds :

### a. Non recurring expenditure:-

i. Cost of construction of farm Rs 15000/-	ii. Cost of purchase of utensils etc Rs 1500/-
---	---

### b. Recurring expenditure:-

i. Cost of chicks Rs 7000/-	ii. Cost of feed-Rs 17000/-
iii. Transportation cost Rs 1500/-	iv. medicine and vaccine-Rs1500/

Total Recurring expenditure -Rs 27,000/

### c. Income

Sale of birds @Rs100/kg ( Considering average weight of each bird to be 2 kgs) of boiler -----Rs 40,000/-

Sale of gunny/plastic bags-----Rs 160/-

### d. Total Income (i + ii) amounts to Rs 40,160/-

### e. Net profit (d-b)- ( 40160-27000)=Rs 13160/-

\*This estimate is made by considering mortality rate to be negligible and labour input by self.

For starting a broiler farm advice is to be sought from a veterinarian.

<b>Prepared by</b>	<b>Dr. Leema Bora, Incharge PC</b> <b>Dr. Jiten Rajkhowa, SMS(Animal Science)</b>
<b>Published by</b>	<b>Programme Coordinator</b> KVK-Lohit District Under NRC on YaK (ICAR) Dirang, West Kameng District, Arunachal Pradesh Phone no: 03806 200100 & 222381.
<b>Design and layout</b>	<b>Mr. Shyam Narayan Prasad</b> <b>Md. Ziaur Rahman</b>