



ADOPTION OF QUAIL FARMING IN DIFFERENT SYSTEM AND ASSESSMENT OF ITS PERFORMANCE UNDER DEEP LITTER AND CAGE SYSTEM OF HOUSING.

Bihar Veterinary College, Patna
Bihar Animal Sciences University Patna - 14 (Bihar)



Duration of the Project: Four Years (2018-19 to 2022-23)

Location of the Project: Poultry farm campus of ILFC, BVC, Patna.

Scientists Associated:

Principal Investigator:

Dr. Pankaj Kumar

Asstt. Professor-Cum-Jr. Scientist

Deptt. of A. H. Extension Education, BVC, Patna

Co-Principal Investigator:

Dr. Saroj Kr. Rajak

Asstt. Professor-Cum-Jr. Scientist

Deptt. of A. H. Extension Education, BVC, Patna

Dr. Sanjay Kumar

Asstt. Professor-Cum-Jr. Scientist

Livestock Production and Management

PRACTICAL UTILITY

- Adoption of quail farming by rural farmers will help to enhance the livelihood and nutritional security of community.
- Quail farming by community would generate secondary occupation, source of income and women empowerment.

There will be a possibility of adoption of sustainable traditional method of quail farming which is economically viable for rural community

SPECIALTIES OF QUAIL

- Low input farming
- Low space requirement (5-6 birds/ sq.ft.)
- Short generation interval (3-4 generation in year)
- Fast growth (170-225 gm body/ weight at 5th week)
- Low feed consumption (550-600 gm of feed/bird)
- Early maturity (Egg production start at 6-7 week of age)
- High rate egg laying (up to 280 eggs in a year)
- Resistance to common disease of Chickens
- Meat and Egg is a table delicacy nutritious.
- Quail meat has aphrodisiac effect.

OBJECTIVES

- Propagation and adoption of quail farming among rural youth and women through training and demonstration.
- Evaluation of growth performance of different varieties of Japanese quail under deep litter system and cage system at farm and field condition.
- To access the constraints in adoption of quail farming in Bihar.

PRODUCTION PERFORMANCE AND DATA RECORDING

- Body weight at different age.
- Feed intake per day.
- Body weight of marketable age.
- Body weight gained at weekly interval.
- Mortality.
- Age at start of egg production.
- Age at peak egg production.
- Egg production per bird.

Monitorable targets

1. Assessment of quail species in different systems suitable for Agro-climatic condition of Bihar.
2. Evaluation of growth performance of quail in field and farm situation.
3. Distribution, monitoring and evaluation of quail chicks for its sustainability in terms of livelihood and food security.

Expected outcome:

Adoption of quail farming by rural community as a source of income generation and to get good quality of animal protein.