

OFT- 5

1.	Title of On farm Trial	Assessment of performance of different Duck breeds in Backyard system.
2.	Problem diagnosed	Low egg production and growth in backyard system due to Poor genetic stock and lack of health management.
3.	Details of technologies selected for assessment/refinement	Farmers Practice = Deshi Duck with D.P vaccination. Technology Option I = K.C Duck with D.P & D.C Vaccination Technology Option II = Indian Runner Duck with D.P & D.C Vaccination.
4.	Source of Technology	CPDF, Bangalore
5.	Production system and thematic area	Backyard duck farming Breed Diversification
6.	Performance of the Technology with performance indicators	Technology option –I showed best result in respect to per year per duck egg production, net return and B:C ratio.
7.	Final recommendation for micro level situation	This may be recommended that the Farming of K.C.duck in backyard system for better egg production , faster growth and income
8.	Constraints identified and feedback for research	Lake of availability of quality day old ducklings as per farmers demand. Suitable cross breed to be develop for backyard system
9.	Process of farmers participation and their reaction	Farmers participated in collaborative. Mode. The farmers are satisfied with the performance of recommended breed.

Thematic area: Breed Diversification

Problem definition: Low egg production and poor growth in backyard system

Technology assessed: **Farmers Practice** = Deshi Duck with D.P vaccination.

Technology Option I = K.C Duck with D.P & D.C Vaccination

Technology Option II = Indian Runner Duck with D.P & D.C Vaccination.

Table: 5 Assessment of performance of different Duck breeds in Backyard system.

Technology option	No. of trials	Yield component			Disease/ occurrence (%)	Egg Prodn (Nos/yr/duck)	Cost of cultivation (Rs./duck)	Gross return (Rs./duck)	Net return (Rs./duck)	BC ratio
		Wt.at Maturity (Kgs)	Av.egg /yr	General Health						
Farmers Practice: Deshi Duck with D.P vaccination.	10	1.3	90	Average	5.3	90	265.00	540.00	275.00	2.04
Technology Option I: K.C Duck with D.P & D.C Vaccination	10	1.94	187	Good	7.9	187	380.00	1122.00	742.00	2.95
Technology Option II : Indian Runner Duck with D.P & D.CVaccination.	10	2.44	139	Good	5.8	139	380.00	834.00	454.00	2.19
SEM±		.0747	7.441		0.448					
CD at 5%		0.13	12.89		0.78					

Results: Egg production of K.C Duck & Indian Runner is 207.8 % & 154.4 % higher than Dishhi and average weight of bird is 149.2 % & 187.6 % respectively higher than Dishhi. There is difference in egg production of K.C Duck & Indian Runner but Indian Runner is much superior in respect to average weight & much active and hardy.