

ALL INDIA COORDINATED RESEARCH PROJECT ON POULTRY BREEDING

KVAFSU, VETERINARY COLLEGE, BENGALURU 560 024

History

All India Coordinated Research Project on Poultry Breeding for Meat, Bangalore centre was sanctioned vide order NO. F.42-3/69/ASR III dated 14.08.1970 and started on 01.04.1971 at Veterinary College, Hebbal, Bengaluru, with Dr. B.S. Ramappa as centre head. It is the oldest existing AICRP poultry breeding centre in the country. At the inception of the project, two strains each of White Cornish (IC.1 and IC.5) and New Hampshire (IH.1 and IH.3) and one strain of White Rock (IR.1) were maintained and developed. Subsequently, during 1972-73 one strain each of Cornish (IC.4) and White Plymouth Rock (IR.1) were procured from USA. These strains were evaluated and supplied to different AICRP centres as IH.1, IR.1 and IC.1 to AICRP centre Madras and Bhubaneswar and IC.4 to Akola centre. After diallel crossing and intense selection, a commercial coloured broiler named RAJA was officially released in 1983. During the year 1994-95, two synthetic lines PB-1 and PB-2 lines were procured from AICRP Ludhiana centre and subjected to intense selection for improvement of body weight and egg production. The commercial coloured broiler RAJA II (IBL-80) was produced with PB1 as male parental line and PB2 as female parental line. Further, since 2014-15 evaluation of native chicken from different regional divisions of Karnataka is being undertaken. The native chicken eggs from different regions of the state were procured, hatched and evaluation of native chicken was undertaken.

During 2023-24, S-16 generation of PB-1 line and S-29 generation of PB-2 line is maintained and developed. Raja II day old chicks are supplied to farmers. Selective breeding is being adopted to develop a variety of native chicken as per the requirement of the backyard poultry farmers of the region.

Objectives:

- To develop location specific chicken varieties and their dissemination for village poultry.
- Conservation, improvement, characterization and application of local native and elite layer and broiler germplasm.
- To develop package of practices for village poultry and entrepreneurships in rural, tribal backward areas.

Activities Assigned:

- Evaluation of local native chicken germplasm.
- To improve PB-1 and PB-2 lines for growth and production traits.
- To evaluate the control population to measure environmental trends.
- Farm and field evaluation of crosses.

Funding:

Funding for the approved activities of the AICRP centre is by Indian Council of Agricultural Research, Krishi Anusandhan Bhawan, New Delhi & Karnataka Veterinary Animal and Fisheries Sciences University, Bidar, Karnataka in 75 : 25 % ratio respectively. Monitored by Directorate Poultry Research, Rajendranagar, Hyderabad.

Staff:**Sanctioned by ICAR**

- Principal Scientist / Professor (AGB) – One
- Farm Manager / Assistant Professor – One
- Technical Assistant - One
- Lower Division Clerk - One

Hired under Contingency grants

- Typist cum Computer Operator - One
- Poultry Attenders - Four

Accomplishments:

1. The centre was involved in maintenance, development and distribution of several strains of chicken to other AICRP centers for development of synthetic varieties of chicken.
2. The center was instrumental in bringing out colour broiler strains RAJA and RAJA II for the benefit of rural poultry entrepreneurs. Further, assisted Department of Poultry Science, Veterinary college, Bengaluru in bringing out Giriraja and Swarnadhara an improved backyard chicken for meat and egg production
3. The centre has been adjourned with Appreciation certificate for its outstanding performance during 2018-19.

Activities / Achievement during 2023-24

1. The average 5th week body weight in PB-1 males line, PB-2 female line and Control line was 1303.34 ± 5.63 g (1157), 1283.12 ± 6.50 g (893) and 987.59 ± 12.20 g (127) respectively. The average 8th week body weight in Native chicken was 552.51 ± 2.00 g (2462).
2. Raja II coloured broiler from center participated in 5th Random Sample Broiler testing at Central Poultry Performance (CPPTC), Gurugram. With body weight of 1.847 kg at 7th week of age and Feed Conversion Ratio (FCR) of 1.979 stood at 4th and 3rd place among the participated broiler strains.
3. A total of 1,26,029 chicks of native chicken and Raja II chicken has been sold at subsidized price to the farmers.
4. Centre conducted two One day training program on “Scientific Poultry Production” on 23-12-2023 at Kantanakunte, Doddaballapur Tq. and on 21-01-2024 at Badarahalli, Nelamangala Tq in which total of 160 SC beneficiaries participated. Honb’le Vice Chancellor Dr.K.C.Veeranna, Honb’le Member of Board of Management Dr. Venkatachala, Dean, Veterinary College, Bengaluru Dr. M. Narayanaswamy inaugurated the training and birds distribution program. 1440 Raja II parental birds, 240 feeder and waterer and 4.3 tons of poultry feed was distributed among beneficiaries.



Flock of Raja II Parental birds



Hon'ble Vice Chancellor and Member of BOM, KVAFSU distributing birds

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