

**ICAR-Central Institute for Research on Goats
AICRP on Goat Improvement
Makhdoom, Farah, Mathura 281122 UP, INDIA**

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Proceedings

**The 14th Annual Review Meet of AICRP on Goat Improvement held at NAU, Navsari
(Gujarat) on Sept 29, 2014**

The meet was inaugurated by Dr. A. R. Pathak, Hon. Vice Chancellor of NAU, Navsari. In his address he emphasised the role of goats in rural livelihood, family nutrition and employment and stressed upon that integration of goat research with other livestock species, crop farming and for strengthening marketing structure. Dr. R. S. Gandhi, ADG (AP&B) in his inaugural deliberation emphasised on research on goat improvement through self-help groups, formulation of multiplier flocks, buck mother farms and its linkage with nucleus flocks, in-situ conservation of threatened goat breeds, value addition of goat milk and meat development of goat breeds, capacity building of stakeholders and development of package of management practices. The Director CIRG, Dr. S. K. Agarwal emphasized upon need of rapid transfer and adoption of improved management practices and technologies to the goat farmers. He also felt need for work on linkage development and create models of goat farms in each village for accelerating adoption of improved practices and organized marketing. He also emphasized for implementation of artificial insemination in genetic improvement programmes as scarcity of bucks is an emerging problem in field. The launching of Changthangi Goat Unit Leh and Adman Goat Unit Port Blair were also done.

The technical sessions was chaired by Dr. R. S. Gandhi and Co-chaired by Dr S.K. Agarwal, Director, CIRG. All the unit incharges presented the progress report of their unit for the year 2013-2014.

The PC report was presented by Dr. S. K. Singh, I/C AICRP on Goat improvement. The research work carried out at various centres, grading of centres, financial position etc. were presented and discussed in detail. After discussion the following points emerged.

- i. Efforts should be made to include unexplored lesser known goat populations, goat genetic resources of MP, Chhattisgarh, Karnataka and Andhra Pradesh for conservation and improvement.

- ii. Preparation of Information Management System using common format should be immediately initiated and implemented latest by 31st March, 2015. The PC and Director, CIRG was requested to fill-up the staff already sanctioned for Coordinating Unit and do the needful to get it done on from market.
- iii. Contractual staff could be appointed from available contingency if there is delay in recruitment of permanent technical staff. However, efforts should be made to appoint sanctioned staff on priority.
- iv. The ADG (AP&B) directed all Units to submit 10 good quality herd photographs of the breed within a period of one month.

Unit Wise Recommendations

1. Assam Hill Goat Field Unit, Khanpara (Assam)

The report was presented by Dr. N. Nahardeka, Professor (AG&B), Assam. The unit adopted Batabari (Dighirpar) of Darrang district and Khetri of Kamrup district of Assam as the two field clusters under the project. Performance was satisfactory. Following recommendations have been made.

- i. The mortality up to weaning was high and the unit need to undertake suitable health and limit it to permissible limits.
- ii. Breed characteristic, classification and data may be generated by the unit and submitted for evaluation by NBAGR, Karnal.
- iii. Creation of Self Help Groups involving women should be promoted in the adopted area.
- iv. Impacts analysis of improved breeding and health cover facilities should be carried out and documented.

2. Black Bengal Field Unit, Kolkata

The report was presented by Dr. P.K Senapati, Professor (AG&B), WBUAFS, Kolkata. He indicated the budget constraints in salary head. Performance of the unit was observed to have gone down over past performance. Following recommendations have been made.

- i. Efforts should be made to improve the production performance of goats in adopted area.

- ii. As adopted villages were in close vicinity, the Unit should adopt another area with larger flock size. This new area preferably be close to a KVK of the University for operational ease and in tribal area.
- iii. The budget provisions to be looked into by PC, especially under Salary heads *vis-a-vis* post allotted to this Unit.
- iv. Presentation should be made as per format supplied by Coordinating Unit.
- v. Work should be carried out strictly as per technical programme.

3. Black Bengal Field Unit, Ranchi

The report was presented by Dr. L. B. Singh, PI, Black Bengal Field Unit, Ranchi. The flock size of goats was adequate and animal identification has been done along with preliminary survey. Regular health care facilities, vaccination and dipping have been provided to the flocks. He also presented performance of Bengal type goats in field area. Performance of the unit was satisfactory. Following recommendations have been made.

- i. The bucks used should be evaluated for their breeding value and semen should be preserved.
- ii. The unit to adopt farmers with bigger flocks and to include areas where the animals have comparatively higher body weights.

4. Gaddi Field Unit, Palampur

Dr. P. K. Dogra, Prof. (Animal Breeding) and Incharge of the unit presented the report. Because of migratory nature of flocks it was difficult to follow up goats during migration. The performance was satisfactory. Following recommendations have been made.

- i. Unit should devise mechanism to follow-up goats during migration for performance recording and for the provision of requisite technical inputs.
- ii. Study the marketing patterns and farming system while goat are in migration as well as in stationary flocks.

5. Ganjam Field Unit, Bhubaneswar

Dr. D.K. Karna, Associate Prof. (Animal Breeding) and Incharge of Ganjam unit presented the report. The home tract was distantly located from University Center. The unit was able to provide adequate health control measures. Because of large flocks, and

bushy landscapes, animal identification was a little problem. Following recommendations have been made.

- i. The Unit should strengthen the health center at each cluster and post staff over there.
- ii. Animal identification and performance recording should be followed as per technical programme.

6. Malabari Field Unit, Thrissur

Dr. Thirupathy Venkatachalapathy, PI, Malabari Field Unit, Thrissur presented the report. The performance has improved but unit still needs further improvement. Following recommendations were made.

- i. Efforts should be made to adopt farmers with larger flock size.
- ii. Impact evaluation of project should be done.
- iii. The AUC need to be resubmitted, immediately.

7. Marwari Field Unit, Bikaner

The report was presented by Dr. G.C. Gahlot, PI of Marwari Field Unit. The discussion was on part of budget and salary head. It was decided that the payments will be made as per provisions of project. The Performance of Unit was not satisfactory and the following recommendations have been made.

- i. Salary of SRF should be drawn from contingency only.
- ii. Animal identification, pedigree recording should be carried out on priority.
- iii. Performance recording should be done on the basis of actual age and not on dentition pattern.
- iv. Validation of milk production and growth and reproduction records should be done.
- v. The Unit should open clusters in three different districts.
- vi. Data should be rechecked before presentation.

8. Osmanabadi Field Unit, NARI, Phaltan

The report was presented by Dr. Chanda Nimbkar, Director, NARI, Phaltan and PI of the project. She presented the body weight growth, milk and reproduction data. Farmer's

with superior animals were rewarded suitably and were encouraged in public. Training of village level project staff and interested goat owners in goat health and providing first-aid were conducted. This unit has started using and disseminating AI technology in field. The performance of the unit was satisfactory and following recommendations were made.

- i. The Unit should have at least three clusters in the home tract of the breed.
- ii. Superior animals should be purchased from the farmers and reared for buck production.
- iii. AI should be validated under field condition.

9. Sangamneri Field Unit, Rahuri

Dr. S. Mandakmale, PI of the Unit presented the report including data on body weight growth, milk and reproduction. It was observed that the data needs to be properly analysed. The unit should distribute fresh bucks for replacing old bucks. The economic gain from goat rearing was considerably low and should be re-assessed. The performance of the unit was satisfactory and following recommendations were made.

- i. Unit should produce bucks for breed improvement in home tract.
- ii. Impact analysis should be carried out.

10. Sirohi Field Unit, Vallabhnagar

The report was presented by Dr. R.K. Nagda, Incharge Sirohi unit. The performance was observed to be satisfactory and the following recommendations were made.

- i. Salary head needs to be adjusted. Expenditure should not exceed the budget allotted to this Unit.
- ii. Animal Identification, pedigree and performance recording should be continued.
- iii. The unit should produce and supply more number of elite bucks to farmers and other agencies.
- iv. This unit should actively collaborate with Sirohi Farm Unit at CSWRI, Avikanagar.

11. Surti Field Unit, Navsari

Dr. K. K. Tyagi, Incharge of the Surti unit presented the report. The unit has shown significant improvement. The area covered under project has got further scope for improvement. The lactation performances of goats were recorded. The economic aspects

of traditional goat rearing by Ahirs under field conditions were presented. The performance of the unit was satisfactory and the following recommendations were made.

- i. The animal identification need to be implemented immediately.
- ii. Efforts should be made to strengthen goat breed society in the area.
- iii. The unit should work on popularization of goat manure based Wormi- compost.

12. Barbari Farm Unit, CIRG Makhdoom

Dr. M.K. Singh, Sr. Scientist (AGB) presented the report. Performance of present generation goats was compared with base animal population. Improvements were observed in growth and lactation traits. Performance was satisfactory and the following recommendations were made.

- i. The budget utilization was extremely low. Efforts should be made to utilize budget.
- ii. The Unit has to adopt two–three KVK's/adequate farmers for validation of technologies and breed improvement in farmers flock. Necessary funds from allocated budget may be used for this purpose.

13. Jamunapari Farm Unit, CIRG Makhdoom

The report was presented by Dr. P.K. Rout, Principal Scientist, (AG&B) and comparative performance over the years were presented. Improvement was observed in growth and lactation traits and performance was satisfactory. Based on the discussions following recommendations were made.

- i. The budget Utilization was extremely low. Efforts should be made to utilize budget provided to unit.
- ii. The Unit has to adopt two–three KVK's for validation of technologies and breed improvement in farmers flock. Necessary fund from allocated budget may be used for this purpose

14. Sirohi Farm Unit, CSWRI, Avikanagar

The report was presented by Dr. S.S. Misra, principal Scientist (AG&B) and Incharge of the unit. A comparison was made for body weight growth and milk production over the years. Performance for the year was lower as compared to previous years. The following recommendations were made.

- i. The unit needs to improve the performance of animals.
- ii. This unit should actively collaborate with Sirohi field unit at Vallabhnagar.

- iii. The Unit has to immediately adopt farmers and two–three KVK's for validation of technologies and breed improvement in farmers flock. Necessary funds from allocated budget may be used for this purpose.

14th Annual Review Meet ended with vote of thanks by I/C PC Dr. S. K. Singh to Hon'ble Vice Chancellor of NAU, Navsari and its faculty for extending all kinds of support for the successful conduction of meet. On this occasion Hon'ble ADG and Director CIRG gave their blessings to all units and asked to give their 100% and go as per rule.

Major Recommendations

- i. Institute based units should expedite establishment of multiplier flocks in time frame manner. During current year they should establish at least 10 such units in the breed habitat.
- ii. Data on physical and performance characterization of Assam Hill goats and its comparison with Bengal goat.
- iii. Proper recording of pedigree and performance data along with animal identification of goats should be seriously done by the Marwari and Ganjam units.
- iv. Adoption of management intervention needs to be enhanced at field units to improve production and reproduction efficiency.
- v. Performance and pedigree recorded superior kids should be purchased from adopted area through a committee and not through open tender to ensure procurement of goats with good genetic potential.
- vi. Money should be utilised as per fund provisions made in the project.
- vii. Selection of breeding buck and does should be strictly followed as per the technical programme.
- viii. Cryopreservation of semen should be initiated in collaboration with Gynaecology department available in most of the Universities (Bengal, Osmanabadi, Sangamneri, Surti, Marwari, Barbari, Jamunapari, Sirohi).
- ix. Efforts should be made to form Goat Co-operative/ Societies / Self Help groups for each breed.
- x. Each unit to produce 50 superiors male kids for future buck production.
- xi. Units which are not getting RA/SRF as per qualification laid down under technical programme may recruit JRF.

- xii. Documentation of findings should be expedited for the benefit of scientific & farmer's community.

List of Participants

1.	Dr. R.S. Gandhi, ADG(AP&B), ICAR
2.	Dr. S.K. Agarwal, Director, CIRG and Project Coordinator
3.	Dr. Vineet Bhasin, Pr. Sci.(AG&B), ICAR HQ, New Delhi
4.	Dr. S.K. Singh, I/C AICRP on Goat Improvement, CIRG Mathura
5.	Dr. G. C. Gahlot, I/C Marwari Field Unit, Bikaner
6.	Dr. P.K. Senapati, I/C Black Bengal Field Unit, Kolkata
7.	Dr. Thirupathy Venkatechalapathy, I/C Malabari Field Unit, Kerala
8.	Dr. K.K. Tyagi, I/C Surti Field Unit, Navsari
9.	Dr. R. K. Nagda, I/C Sirohi Field Unit, Udaipur (Raj.)
10.	Dr. Sanjay Mankakmale, I/C Sangamneri Field Unit, Rahuri
11.	Dr. D. K. Karna, I/C Ganjam Field Unit, Bhuvaneshwar
12.	Dr. Chanda Nimbkar, Director, Osmanabadi Field Unit, Phaltan
13.	Dr. P.K. Dogra, I/C Gaddi Field Unit, Palampur
14.	Dr. N. Nahardeka, I/C Assam Hill Field Unit, Assam
15.	Dr. S.S. Misra, I/C Sirohi Unit, Avikanagar (Raj.)
16.	Dr. L. B. Singh, I/C Black Bengal Field Unit, Ranchi
17.	Dr. A. K. Sharma , I/C, Himalayan unit, IVRI, Mukterwar
18.	Dr. D. V. Singh, I/C Uttarakhand Goat Unit, Pantnagar
19.	Dr. Jay Sunder, I/C, Andman Goat Unit, Port Blair
20.	Dr. M.K. Singh, I/C, Barbari, CIRG, Makhdoom
21.	Dr. P. K. Rout I/C Jamunapari, CIRG, Makhdoom
22.	Dr. Dige M.S. Scientist (AG&B), CIRG Mathura
23.	Dr. Feroz I/C Changthangi Giot Unit, Leh
24.	Sri C.S. Sagar AAO, PC Unit, CIRG, Makhdoom, Farah, Mathura
