CIRG at a glance







Central Institute for Research on Goats Indian Council of Agricultural Research Makhdoom, Farah, Mathura, Uttar Pradesh-281122

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PREFACE



Goat, the poor man's cow, fit in amicably to achieve the inter-dependent objectives poverty alleviation, availability of food, creation of employment and growth in rural income. Goat serves as a source of livelihood and nutritional security to large section of society mainly comprising of resource-poor people. In the present scenario of changing agro-climatic conditions, goat has tremendous potential to be projected as the 'Future Animal' for prosperity in the country. The traditional goat rearing is steadily turning as the fast growing 'livestock industry' in the country. The 'goat meat' is one of the choicest edible commodities and carries premium value in the market. The goat milk possesses medicinal and health-promoting properties and needs to be focused as therapeutic milk. The urban India's food consumption pattern is changing from being primarily driven by basic to high-value food with complex proteins. The Central Institute for Research on Goats (CIRG) is spearheading in goat research, education and extension activities. The comprehensive initiative taken by the institute has led to notable accomplishments in genetic improvement and conservation of native goat breeds, health control, reproductive management, improvement in nutritional efficiency and economic transformation of farmers through technological advancements and interventions. The Institute is in the service of the nation since its inception on 12th July 1979. Recently the Institute has been bestowed with ISO 9001:2008 certification for research and development and capacity building for improving goat productivity. I hope CIRG at a Glance will be useful for the Academicians. Scientists, Policy Planners, Enterpreneurs and all those who love goats and are interested to know about the Institute dedicated for the improvement of goats.

> S.K. Agarwal Director ICAR-Central Institute for Research on Goats Makhdoom, Farah, Mathura 281122, U.P.

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CONTENTS

SI. No.	Description	Page No.
1.	Preface	iii
2.	Preamble	1
3.	Vision, Mission and Mandate	2
4.	Objectives	2
5.	Location	2
6.	Organizational Setup	3
7.	Research Divisions and Section	5
8.	Salient Research Contributions	14
9.	All India Research Projects on Goat Improvement	17
10.	XII Plan Research Programmes	18
11.	Consultancy Services	20
12.	Trainings Programmes	20
13.	Institute Publications	20
14.	Committees	22
15.	Award and Recognitions	23

PREAMBLE

Animal Husbandry and livestock sectors are critical for the rural economy, especially the small and marginal farmers. They not only contribute to their income but provide best insurance against any natural calamity in agriculture. The livestock sector alone contributes nearly 25.6% of value of output at current prices of total value of output in Agriculture, Fishing & Forestry sector. The overall contribution of Livestock Sector in total GDP is nearly 4.11% at current prices during 2012-13.

Goats have occupied a place of honor in their long association with man over millennia, being one of the earliest domestic animals and next to the dog. This prominence has been associated with a number of features unique to this species: wide distribution across all complex agro-ecological environment, functional contribution (meat, milk, fiber, skins, manure) and socio-economic relevance (social security, income generation and human nutrition). The total goat population as per 19th Livestock Census-2012 in the country is 135.17 million which represents 26.40% of the total livestock population. Goats have distinct social, economic, managerial and biological advantages over other livestock species and significantly contributing to the agrarian economy. It plays a vital role in the livelihood security of the small and marginal farmers and resource poor rural people. World over the goats are reared primarily for meat. Besides meat and milk, goats also produce good quality skin which fetches high value in the international market. The goat sector contributes about Rs. 22,138 crores to the agricultural economy of the country through meat (Rs. 11,932 crores), milk (Rs. 5513 crores), skin (Rs. 800 crores), and manure (1,594 crores). Goats at present mainly depend on common grazing resources for their feeding and contribute to the livelihood of millions of rural poor. In view of dwindling grazing lands, the traditional system of goat management under extensive grazing programme has to be substituted by feed intensive commercial system. The demand for goat meat has increased. Responding to the market signals, the goat production system in India has been slowly moving from extensive to intensive system of management for commercial production.

Keeping in view, the importance of goats in the Indian economy and more so for the below poverty line population, the Indian Council of Agricultural Research established a National Goat Research Centre in July, 1976 at Makhdoom village near Farah town of Mathura district in Uttar Pradesh. It got the status of a full-fledged Institute on 12th July,1979 and named as the Central Institute for Research on Goats with the mandate to conduct both applied and fundamental research on all aspects of goat production and product utilization. The Institute is well connected with all modern communication facilities viz. Telephone–0565-2763380, Fax-0565-2763246, E-mail: director@cirg.res.in, Website www.cirg.res.in and Helpline: 0565-2763320.

VISION

To "Develop Poor Man's Cow- the goat as a source of livelihood security, poverty alleviation and employment generation for smallholders.

MISSION

To enhance and sustain goat productivity in respect of meat, milk and fiber through Research, Extension and HRD support.

MANDATE

To undertake Research, Training and Extension Education Programmes for improving milk, meat and fiber production of goats and to develop processing technologies of goat products.

OBJECTIVES

- To undertake basic and applied research in all disciplines relating to goat production and products technology.
- To develop, update and standardize area specific package of practices on breeding, feeding, management prophylactic and curative health cover of goats.
- To impart National and International Trainings in specialized fields of goat research and development.
- To transfer technologies for improving milk, meat and fiber production and value addition of goat products.
- To provide referral and consultancy services on goat production and product technologies.

LOCATION

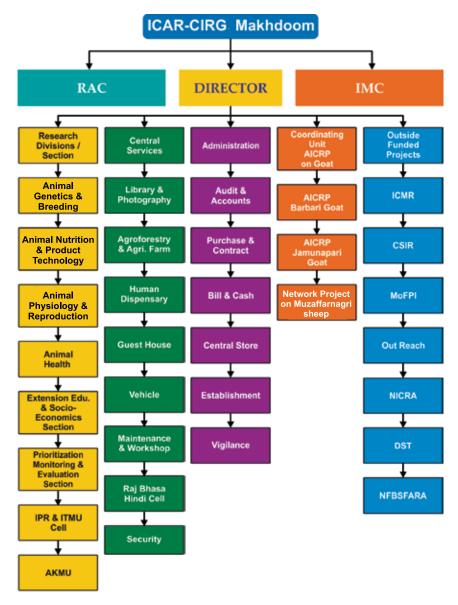
CIRG is located at 27.10 N, 78.02 E and 169 m above MSL. It is established at Makhdoom village of Mathura district in U.P. on 302 hectare of undulating sandy and kans and moonj infested ravine land. The institute is located about 2 km away from Farah town on National High way No. 2. It is about 22 km from Mathura and 32 km from Agra. The Institute, during the last over 36 years, has developed facilities to undertake research, training, extension education and human resource development programs in different areas of goat production and utilization.

ORGANIZATIONAL SET UP

The Institute is under the overall administrative control of the Director.The Institute Management Committee (IMC) helps in formulating policies and certain

administrative matters. In addition, there is a Research Advisory Committee (RAC) consisting of highly experienced scientists in the field of animal science and farmer's representatives who guides in framing research priorities and thrust areas. Institute Research Council (IRC) of the Institute finalizes and monitors the research projects.

ORGANIZATIONAL SETUP



Infrastructure Facilities

Research Divisions/Sections

- Animal Genetics & Breeding
- Animal Nutrition & Products Technology
- Animal Physiology & Reproduction
- Animal Health
- Extension Edu. & Socio-Economic Section
- PME Section
- IPR & ITMU Section
- AKMU Section

Service Sections

Livestock Farm	Experimental Shed Complex	Library	Agroforestry & Agricultural Farm
Human Dispensary	Rajabhasha	Vehicle Section	Maintenance & Workshop
Security	Guest House	Central Auditorium	

Administrative & Finance

Land Resource

Land Resource	Land-755 acre
Building, Road, Residential complex, Animal Shed	240 acre
Agro forestry and Natural Pasture	390 acre
Cultivated land	75 acre (60 Irrigated+15 rain fed)
Area under Silvi-pasture	50 acre

RESEARCH DIVISIONS AND SECTIONS

Animal Genetics and Breeding Division

The mandate of the division is genetic improvement and conservation of different goat breeds of the country. Division is maintaining elite herd of Barabari, Jamunapari and Jakhrana goats. The Muzaffarnagri sheep flock is also maintained as a co-operating center under Network Project on Sheep Improvement. Division has significantly improved the productivity goats besides supplying superior breeding bucks to different agencies for breed improvement program across the country. During XII th Five year plan efforts are being concentrated on molecular basis of adaptation and functional genomics besides ONBS. Production of superior breeding bucks suitable to different agro - climatic conditions through All India Coordinated Research Project on Goat Improvement is one of the main consideration to cope up with future needs of elite breeding males in the country.

The division has the following laboratories:

- Cytogenetics Laboratory
- Molecular Genetics Laboratory
- Biometrical Genetics Laboratory





Animal Physiology & Reproduction Division

The mandate of the division is to enhance the productivity of goats through physiological and managemental interventions. Research efforts are being concentrated on reproductive biotechnological approaches and artificial insemination for efficient use of superior caprine germ plasm. Scientists are working in the areas of conservation of semen, embryo transfer, IVF, production of parthenogenetic goats using embryonic stem cells, adaptability and shelter management of goats under different production system. The division has the following specialized laboratories:

The division has the following laboratories

- Male Reproduction Laboratory
- Female Reproduction Laboratory
- Embryo Transfer Technology and IVF Laboratory
- Environmental Physiology Laboratory
- Meteorological Observatory







Nutrition and Products Technology Division

The mandate of the division is to develop economic feeding systems for goats and feed processing technologies for small holders and commercial goat farming. Emphasis is also being given for the development of processing technologies for value added meat and milk products from goats. The current research focus of the division is on the development of nutritional strategies, feed processing technologies and development of goat based silvi-pasture for enhancing use of degraded land. The division has the following laboratories:



- Mineral Estimation Laboratory
- Feed Resource Evaluation Laboratory
- Rumen Microbiology Laboratory
- Conservation and Post-Harvest Technology Laboratory
- Products Processing Laboratory
- National Referral Laboratory for testing of animal products.











Animal Health Division

The mandate of the division is to develop preventive and control measures and package of practices for economically important goat diseases. The emphasis is being given on monitoring and surveillance of important goat diseases, diagnosis and development of prophylaxis for control of economically important diseases and development of herbal drugs. Division has developed various molecular and serological diagnostic tools (Combed based dot ELISA, Plate ELISA kits and PCR tests) for detection of caprine brucellosis, Johne's disease and Mycoplasmosis. A prototype J. D. vaccine for goats has also been developed and the technology has been transferred to M/S Biovet, Bengaluru for commercialization. The division has the following laboratories:

- Microbiology Laboratory
- Medicine Laboratory
- Parasitological Laboratory
- Pathology Laboratory



Extension Education and Socio-Economics Section

The mandate of the section is to study socio-economics of goat production under different farming systems and transfer of viable production technologies to the field, and studying the constraints in adoption of newer technologies. The section also develops extension aids and publications, organizes demonstrations, field days and participates in different exhibitions and Melas across the country. This section is equipped with following facilities:

- Multi-media Laboratory
- Exhibition Hall
- Museum

Farmer's Helpline

The institute has started Farmers' Help Line for the benefits of goat farmer. Aspirant entrepreneurs and commercial goat farmers and large number of them are contacting the institute for seeking information and knowledge on improved goat technologies.











CENTRAL FACILITIES

Prioritization, Monitoring and Evaluation Section (PME)

PME section serves as information centre of the Institute besides monitoring research projects by IRC, RAC, QRT, HRD activities and nomination of institute's staff for seminars, symposia, conferences etc. within the country and abroad. This section is responsible for publication of institute annual reports, magazines, bulletins, books etc besides inter institute collaboration in different areas of research on goat production.

Education

Institute is having linkages and collaborations with following universities for M.V.Sc., M.Sc., and Ph.D. programmes. The Institute has entered into MOU with DUVASU, Mathura, U.P., G.L.A. University, Mathura, U.P., I.V.R.I., Izatnagar, U.P., N.D.R.I., Karnal, Haryana, Kamdhenu University, Gandhinagar, Gujarat and Banda University of Agric. & Technology, Banda, U.P. for different academic courses.

Academic collaborations

- 1. DUVASU Mathura
- 2. IVRI Izatnagar
- 3. GLA University Mathura
- 4. NDRI, Karnal
- 5. Kamdhenu University, Gandhinagar, Gujarat
- Banda University of Agriculture and Technology, Banda, U.P.
- 7. Dr. B.R. University, Agra
- 8. GBTU, Lucknow
- 9. Jiwaji University, Gwalior
- 10. Amity University, Noida
- 11. S Gyan Vihar University, Jalandhar
- 12. SHIATS, Allahabad
- 13. H.N. Garhwal University, Srinagar
- 14. Banasthali Vidyapeeth, Bansthali, Jaipur





Student completing their degree programme/Summer Training

Year	Ph.D.	MVSc/ MSc	Summer Training	Total
2009-10	13	4	-	17
2010-11	4	19	3	26
2011-12	7	7	3	17
2012-13	2	9	-	11
2013-14	4	5	3	12
2014-15	-	5	-	5
Total	30	49	09	88



Post Doctoral Programme

Dr. Erick Virgile Azando from Republic of Benin, under the guidance of Dr. Ashok Kumar in Veterinary Medicine from 15 Sept to 14 Dec., 2013

Dr. Justin Kouamo, Ph.D. from University of Ngaoundere, Cameroon, under the guidance of Dr. S.D. Kharche, Animal Reproduction May 2012.

Rajbhasha Hindi Cell

The Rajbhasha Cell of the Institute is engaged for propagation and development of Official Language i.e. Hindi and also to accelerate its progressive use for Official Language purposes in pursuance of the Official Language Resolution-1968 Department of Official Language, Ministry of Home, Govt. of India. This cell undertakes activities for the promotion of Official Language in the Institute. The Institute was awarded Rajbhasa awards from different organizations for promotion of Hindi in the Institute.

Library

Institute library is providing scientific and related information based on primary documents and bibliographic data. It has built up a good collection of sizable number of books, journals, periodicals, reprints etc. to cater the need of scientific community.



AKMU

The Institute has a Agriculture Knowledge Management Unit (AKMU) which maintains the institute website is: http://www.cirg.res.in as well as e mail server. This section provides computer related support is provided to the Institute scientists, students and administrative staff for their research work and administration and purchase etc.

Agriculture and Agro-forestry Farm

The Agriculture farm area at the Institute is about 220 hectare, which includes cultivated area, grass land/ agro-forestry and natural pasture. The soil of the farm is sandy, alluvial and saline. It is poor in organic carbon, nitrogen, potassium and phosphorus. The ground water is saline and can be utilized for life saving irrigation for agro-forestry and pastures. Agriculture Farm provides cultivated green fodder for the feeding of all livestock round the year. Besides, animals are also allowed for browsing/grazing on the natural pasture land of the institute. Some cultivated forest cover and





developed silvi-pastures are available as a rich source of feed and fodder. Surplus green fodders are conserved as hay for feeding the animals during lean periods.

Animal Farms

The Institute is maintaining about 3000 goats and sheep under different Projects in the following Animal Farms:



Barbari Goat Farm



Jamunapari Goat Farm



Jakhrana Goat Farm



Muzaffarnagri Sheep Farm

IPR Cell

The institute is having a IPR cell which takes care of IPR issues and patenting and commercialization of technologies developed by the scientists of the Institute.

Post Mortem Unit

A Post Mortem Unit is available for investigation of causes of death in the animals.

Sports, Cultural and Social Welfare Section

Sports and cultural activities form an integral part of institute's campus life. Facilities for both indoor as well as outdoor games and sports are available. A well-equipped Gymnasium is also available.





Human Dispensary

It is equipped with Pathological Laboratory Test facilities, ECG, X- rays, emergency oxygen supply system, intra venous fluid supply outfit etc.

Security Section

The security section looks after security and intelligence needs of the Institute.

Auditorium, Guest House and Hostel

Institute maintains a Mahatma Gandhi International Guest House for visiting scientists and guests and Shalihothr hostel for students and farmers. The Institute also has a good auditorium for organization of various programs.







SALIENT RESEARCH CONTRIBUTIONS

The institute has developed farmers' friendly and commercially viable technologies for goat improvement in the country. So far, 18 patents have been filed; Eight technologies have been transferred to different industries for large scale production of different products. Value added goat meat and milk products, diagnostics for brucellosis and JD are under process of commercialization. The scientists of the Institute have successfully produced kids from embryo transfer and through IVF. In recognition of its meritorious scientific achievements and technology innovation, the Institute has been bestowed with the prestigious ICAR's Sardar Patel Outstanding Institute Award-2010. Some of the major achievements are as follows.

- Multiplication and conservation of elite germ plasm of Jamunapari, Barbari, Sirohi and Jakhrana breed of goat for genetic improvement of indigenous goats.
- Improved reproductive performance resulting in higher population growth in Jamunapari (94.65%) and Barbari (183%) goat flocks.
- Positive genetic improvement trend in body weight at birth, at 3, 6, 9, and 12 month of age in Jamunapari goats, (0.12±0.03, 0.59±0.12, 1.58±0.19, 2.66±0.28 and 2.14±0.36, respectively) and at 9 month (0.999±0.213 kg) in Barbari goats.
- Significant improvement in milk yield in Jamunapari, Barbari and Jakhrana goats compared to their base population performance.
- Freezing of semen of Jamunapari, Barbari, Jakhrana and Sirohi breeds, and production of kids through AI in goats.
- Standardized Embryo Transfer and IVF technology in goats and successful production of kids through above technologies.
- Characterized heat stress tolerant genes i.e. AP-2 binding site in the
 promoter region of hsp70.1 gene, Melanocortin 1 receptor (MC1R) gene,
 Tyrosinase (TYR) gene and Signal transducer and activator of transcription
 5 A (STAT5 A) gene to facilitate further studies on resilience of goat
 production system under changing climate.
- Established genetic origin of Indian goat breeds and genetic variation in Myf, leptin, Pit I, FecB, SCD gene and HSPgenes in Indian goats.
- Developed complete feed pellet for efficient growth (80g/d) in finisher kids.
 Strategic supplementation of concentrate mixture @ 1.2 % of the body weight for better growth and meat quality of Barbari goats.
- Better dressing percentage and meat quality by supplementation of area specific mineral mixture under intensive goat rearing system.
- Identified anti-methanogenic feed resources for goat production system.

- Developed higher bio-mass producing fodder system (Guar+ Lobia + Sunhamp) for goats under rain fed conditions and Morus alba based costeffective agro-forestry system for sustainable goat husbandry in semi-arid and rain fed areas
- Developed package of practices and dynamic health calendar for goat farmers.
- Determined fatty acids and mineral status of milk of different Indian goat breeds. Standardized process for preparation of herbal functional milk, whey drinks, goat milk and meat based biscuits, and low fat cheese.
- Developed low cost-protein and mineral enriched value added goat meat products using fresh goat spleen and herb supplemented functional goat meat and milk products.
- Created baseline data on commercial goat farming.

Technologies commercialized

- Alquit a green drug technology for control of ecto-parasites has been commercialized to M/S Natural Remedies Pvt. Ltd, Bangaluru.
- Areamix- An area specific mineral mixture, commercialized to M/S Girraj Industries, Sirsaganj, U.P.
- Herbodin an anti-diarrhoeal formulation commercialized to M/S Girraj Industries, Sirsaganj, U.P.
- Topivet G a skin gel commercialized to M/S Girraj Industries, Sirsaganj, U.P.
- Goat milk based soap (Ajas) three variants of soap ie Ajas beauty, Aajas green and Ajas antiseptic soaps have been commercialized to M/S BVG Life sciences, Pune (M.S.)
- A strain of Mycobacterium avium subspecies paratuberculosis genotype 'Indian Bison type' strain 'S 5' of goat origin has been transferred to M/S Biovet (P) Ltd, Bengaluru for development and commercialization of indigenous vaccine against John's Disease (J.D)

Technologies Under Commercialization

- BRUCHEK-Dot ELISA Kit for diagnostics for brucellosis in goats transferred to NRDC for commercialistion.
- ELISA KIT for JD transferred to NRDC for commercialization.
- Intra vaginal pessaries for oestrus synchronization.
- Modern goat appliances to reduce feed and water wastage
- Low cost complete feed pellet Cost-effective milk replacers for kids
- Goat meat Murukku: A crispy food product Goat meat Nimkee: A snack food
- Goat flavoured milk and whey drink









ALQUIT- Ectoparasiticidal Drug for animals (commercialized)



BRUCHEK-Dot ELISA Kit for diagnosis of Brucellosis



ELISA Kit for diagnosis of Johne's Disease





Chettinad Goat Meat Curry



Goat meat Murukku: A crispy food product



Goat meat Nimkee: A snack food







Goat milk based moisturizer soap (Ajas)

Goat Health Calender

Pelleted goat feed

ALL INDIA COORDINATED RESEARCH PROJECT (AICRP on Goat Improvement)

Institute has coordinating unit of AICRP on Goat as well as elite flocks of Jamunapari & Barbari goat. The main objective of AICRP on goat is to improve the native goat breeds, which are well adapted to the local environment and managemental systems in their natural habitat. The main emphasis of the goat improvement programme is on meat and milk production through selection within the breed. The programme has been based on involving the flocks maintained at the Institutional farms (nucleus herd) and village flocks maintained by the farmers. The farm units consisting of Institutional flocks maintained under organized farm conditions include Jamunapari, Barbari and Sirohi breeds. Field units are based on the flocks owned by the farmers maintained under village management system in the native home tracts. Some of the achievement of AICRP on goats are:

- Genetic improvement of Barbari, Black Bengal, Ganjam, Jamunapari, Osmanabadi, Gaddi, Chanagthangi, Marwari, Malabari, Sirohi, Sangamneri and Surti breeds in their natural habitat.
- Distribution of superior germ plasm of various breeds of goats for genetic improvement in the farmers flocks.
- Significant improvement (5.28%-19.80%) in average body weight gain of different breeds of goats.

Different Centres of AICRP on Goat Improvement

Breed	Location of Centre	Type of Centre
Project Coordinators Unit	CIRG, Makhdoom, Farah, Mathura 281122	Coordinating Unit
Assam Hill Goat Unit (NEH)	AAU, Khanpara Guwahati	Field
Barbari Unit	CIRG, Makhdoom	Farm
Bengal Goats (TSP)	BAU Ranchi	Field
Black Bengal (Partial TSP)	WBUV and FS, Kolkata	Field
Gaddi Field Unit(TSP)	HPKVV, Palampur (HP)	Field
Ganjam Field Unit	OUAT, Bhubaneswar	Field
Jamunapari Farm Unit	CIRG, Makhdoom	Farm
Malabari Field Unit	KV&ASU, Thrissur	Field
Marwari Field Unit	RAJUVAS, Bikaner	Field
Osmanabadi Unit	NARI, Phaltan (MH)	Field
Sirohi Field Unit (partial TSP)		
Surti Field Unit (TSP)	N.A.U., Navsari (Guj.)	Field
Sangamneri Field Unit	MPKV, Rahuri (MH)	Field
Sirohi Farm Unit	CSWRI, Avikanagar	Farm
Andamani Goats	CARI, Port Blair, Andman	Field
Himalayan Local Goats	IVRI Campus, Mukteshwar	Field
Changthangi Goat Unit	SKUAST-K, Leh, J&K	Field
Uttarakhand Local Goats	GBPUA&T, Pantnagar	Field

XII PLAN RESEARCH PROGRAMMES

During the XII five year plan, the institute is committed to undertake research and development activities through following Research Programmes:

Genetic improvement and conservation of indigenous breeds

- Identification of superior germ plasm and creating seed stock production centers for important breeds of goats for their improvement and conservation
- Molecular basis of adaptation and functional genomics for goat improvement

Reproductive biotechnological approaches and artificial insemination for efficient use of superior caprine germ plasm

- Establishing semen bank and standardizing frozen semen technology for artificial insemination in goats
- Multiplication of superior germplasm using reproductive technologies and their practical assessment for field application
- Analyzing impact of climate change on adaptability and productivity of goats and mitigation measures to alleviate biotic and abiotic stress
- Behavioural interventions and shelter management for optimum goat production systems under varied agro-climatic conditions

Nutritional strategies and feed processing technologies for ecofriendly sustainable goat production systems

- Developing cost-effective feeding regimes and formulations to improve goat production under different husbandry practices
- Investigating feeding approaches and rumen microbial interventions to reduce methane production and to optimize nutrient utilization
- Development of goat based agri-silvi-pasture for proper use of degraded common land

Evaluation of nutraceutical values of goat products and development of functional goat product technologies

- Nutraceutical values of goat products and development of functional goat product technologies
- Developing cost-effective technologies for production, popularization and commercialization of value added goat meat and milk products with health promoting traits
- Traceability, food safety standards and food chain evaluation (HACCP) pertaining to goat milk, meat and value added products

Preventive healthcare measures, diagnostic techniques and costeffective green drug technologies for important diseases of goats

- Application of biotechnological techniques for developing cost-effective diagnostics and preventive measures for infectious diseases of goats
- Molecular/Immunological marker studies for diseases resistance against Johne's disease, brucellosis, haemonchosis and caprine diseases of goats
- Development of region specific preventive healthcare measures, diagnostic techniques and cost-effective herbal drug technologies
- Public health risk analysis due to caprine zoonosis

Capacity building and transfer of technology

- Development of "Integrated goat farming systems" for commercial and rural goat production for subsidiary income
- Capacity building on goat production systems involving different stakeholders
- Development of Information Communication Technologies (ICT) for enhancing goat health and production

CONSULTANCY SERVICES

Institute provides consultancy services to the different stakeholders in the following areas:

- Technical backstopping to different goat development projects undertaken by NGOs, government or international agencies.
- Preparation of project proposal documents required for seeking financial assistance from institutional sources for establishing commercial goat farming units of different sizes.
- Capacity building and skill improvement for development of goat enterprise in the country.
- Conducting feasibility studies before launching goat development projects by NGOs, government or international donors.
- Monitoring and evaluation of goat development programmes taken up for enhancing income income, employment generation and poverty alleviation.
- Market assessment studies for goat products.
- Implementation of different goat projects up to pre-run level.
- Diagnosis of goat diseases
- Health certification of goats and goat milk and meat products.

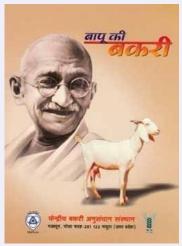
TRAINING PROGRAMMES

Institute organizes a number of training programmes for farmers, entrepreneurs, extension officers, veterinary officers and professionals. The trainings are focused on technologies for enhancement of goat production.

INSTITUTE PUBLICATIONS

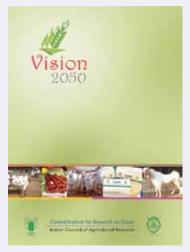
Publications in the form of research papers, books, bulletins, laboratory manuals and folders have been brought out the institute scientists for the benefit of researchers, professionals, students, progressive farmers and entrepreneurs etc. Institute publishes its **Annual Report** besides two six monthly newsletters in English and Hindi, entitled "CIRG News" and "Ajamukh".

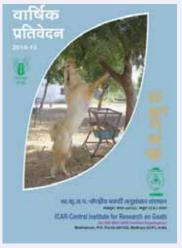












COMMITTEES

Research Advisory Committee (RAC)

CIRG has a Research Advisory Committee comprising experts of different areas of work, representatives of goat farmers and ICAR, etc. Committee advises the institute on its research programmes in goat development in the country.

Institute Research Council (IRC)

At institute level, there is an Institute Research Council, for finalization of the details of individual scientist's research proposals, monitoring the progress of research and adoption of the reports of the projects.

Institute Management Committee (IMC)

For smooth and efficient functioning of the institute, there is an Institute Management Committee comprising representatives from developmental agency/ SAU/Finance etc.





AWARDS AND RECOGNITIONS

- ICAR's Sardar Patel Outstanding Institute Award
- Rajarshi Tandon Rajbhasha ICAR Award
- 1st Prize by Nagar Rajbhasha Karyanvayan Samiti, Deptt. of Official Languages, Ministry of Home Affairs, Govt. of India
- Rafi Ahmed Kidwai Award
- Member Board of Management, NDRI, Karnal, NBAGR, Karnal, CARI, Izatnagar and MAFSU, Nagpur.
- DBT Fellowship for six months at Wisconsin-Madison,
- USA and Roslin Institute, Edinburgh, U.K.
- Indian National Science Academy (INSA) award for young scientists in India.
- · Ram Lal Agrawal Gold Medal award
- Fellow, ISSAR. ISVM, ISAE and ISSGPU
- Member of Selection Board, GADVASU, RAJUVAS, ASRB, NDRI, IVRI, CSWRI, CIRC and JNU, New Delhi.
- Member, RAC, NRC Equines, Hisar
- President ISSAR and Vice President, ISSGPU
- Best Paper Award at different Seminar/Symposium
- First, Second and Third prize at Kisan Mela at DUVASU, NDRI and IVRI









Photo Gallery of CIRG



Secretary DARE and DG ICAR alongwith DDG (AS) and ADG (ANP) visiting CIRG



Dr. S. Ayyappan, Secretary DARE and DG ICAR releasing a CD on Scientific goat farming



Sh. Giri Raj Singh Ji, Hon'ble Minister of State for micro, small and medium enterprises, Govt. of India at CIRG



Hon'bleUnion Agriculture Minister, Government of India Sh. Radha Mohan Singh having a glimpse of ICAR-CIRG technologies



Sh. Sharad Pawar, The then Hon'ble Minister of Agriculture, Government of India visiting CIRG



Hon'ble Sh. Radha Mohan Singh, Agriculture Minsiter, Government of India planting a tree in CIRG campus during his visit on 20.9.2014



Hon'ble DG, ICAR addressing the Institute scientists in the presence of Honorable Sh. Giri Raj Singh, Minister of State for micro, small and medium enterprises, Government of India



Director CIRG welcoming to Sh. Radha Mohan Singh, Hon'ble Minister of Agriculture, Government of India

A look at Directors of CIRG



Late Dr. K.L. Sahni, (OSD) Dec 1975 - Jan 1981



Dr. P.N. Bhat Oct 1981-May 1984



Dr. N. K. Bhattacharyya June 1985-Dec 1993



Late Dr. Abdur Rekib Sep 1994-Jan 1998



Late Dr. K.P. Pant Jan 1998-July 2001



Dr. Nagendra Sharma Nov 2001-Nov 2003



Dr. N.P. Singh Nov 2005-July 2008



Dr. M.C. Sharma Aug 2008-Oct 2009



Dr. Devendra Swarup Feb 2010-Dec 2012



Dr. S.K. Agarwal Jan 2013-cont.

