

Animal Genetic Resources

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Farmers

LIVESTOCK GENETIC RESOURCES

- Conservation and genetic improvement of Buffalo and Cattle breeds
- Gaushala – Conservation centre for cattle in association with SAU
- Conservation of indigenous breeds of Goat and Sheep in their habitat - mainly for meat production
- Encourage rearing of cattle - remunerative price of milk
- Development programmes for other LS species similar to Buffalo program
- Insurance cover to animals

Livestock Products- Access to Remunerative Market

- **Healthy Animals-**

 - More Productivity and Quality of products

 - Improved Indigenous breed

- **Cleanliness of Products**

 - Ensuring quality of Products

Livestock Products- Access to Remunerative Market

Health of Livestock

- Disease Surveillance and Monitoring
- Disease Control
- Treatment of animals
- Nutritional Deficiency

Establishment of State Animal Health Laboratory-National Biosecurity network 1/2

Status of Laboratory- State of art BSL-4 category laboratory well equipped and well manned by specialists

Mandate of the laboratory

Creating intelligence on infectious disease with a view to diagnose and control disease outbreaks by suitable vaccination and disease forecasting

Testing of samples for exotic diseases likely to be introduced through import/ migratory birds/wild animals

Livestock Health Labs 2/2

- Testing of samples for nutritional deficiencies and suggest area specific measures to tackle deficiencies
- Undertaking research with a view to understand disease problems in specially in buffaloes (Research on Buffalo immunology)
- Undertaking research developing more effective vaccines by incorporating indigenous/local vaccine strains

Exploitation of benefits of Modern Biotechnological Tools- Reproductive biotechnology for disease resistant breeds

- Improvement in indigenous breeds
 - Research on animal genomics with a view to safeguard the national interest in wake of exports and identifying disease resistance and productivity traits to improve indigenous breeds through use of modern techniques of reproductive biotechnology

Products Cleanliness, Vaccine Validation, certification

Mandate: Certification for export of livestock products, semen- Ensure freedom from pathogens

Protect vulnerable market collapse due to unfounded fear of diseases, e.g.,- collapse of poultry industry in Haryana due to Avian Flu

Cleanliness of products

Validation of vaccines, Kits and other biological products-

State Certification Agency

Rapid testing kits

- Testing of vaccines, kits for permitting use in the state- Safeguarding interest of livestock owner by preventing sale of substandard or undesired products

Creating jobs in non farm sector

- **Establishment of livestock health cooperatives-** Training of science managers for sustainable disease control programmes, imparting knowledge in various aspects of livestock activity for dissemination to the farmers (Access to useful and correct technical information

Feed Manufacturing

- Establishment of need based, area specific feed manufacturing units-
- Various health problems, reproductive disorders due to mineral deficiencies in feed.
- Based on knowledge of area specific deficiencies, formulation/ value addition in animal feed
- Better and cheaper nutrition

Diagnostic Laboratory

- Establishing animal disease diagnosis laboratories
- Manned by Veterinary graduates and assisted by veterinary lab technicians- provide accurate diagnosis for specific and appropriate treatment, preventing misuse of antibiotics, drugs