

GASL SOUTH ASIA MSP 2022

Livestock sector actions towards more sustainable food systems with reference to Planetary Boundaries

Topic: Challenges in Bangladesh to Livestock growth and action plan to overcome those challenges

Presented by

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INTRODUCTION

The livestock sector is a major sub-sector of Bangladesh agriculture. The contribution of Livestock in Agricultural Gross Domestic Product (GDP) is 13.44%, Employment 70% (directly 20 % and partly 50 %), and food security and nutrition significantly.

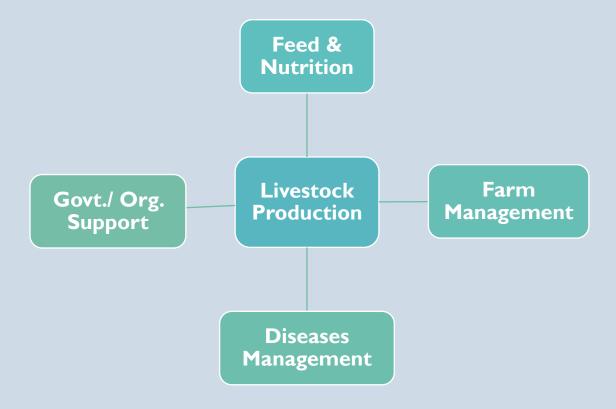
According to the Department of Livestock Services (DLS), Bangladesh, in 2019-20, the livestock population is estimated to comprise 24. 4 million cattle, 1.5 million buffaloes, 26.4 million goats, 3.6 million sheep, 296.6 million chickens and 59.7 million ducks. The country's 83.9 percent of total households own livestock (animals or poultry, or both).

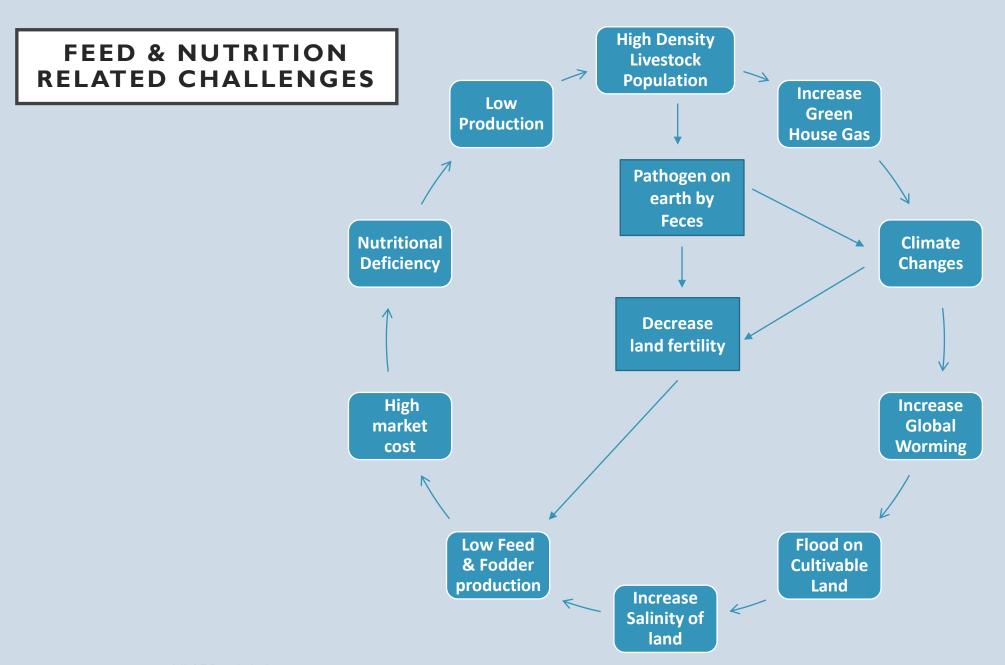
Demand, production and availability of milk, meat and eggs (DLS, 2019-20)

Products	Production (Lakh M.Ton)	Need per capita	Demand (Lakh M.Ton)	Availability
Milk	106.80	250 ml/day/head)	154.94	175.63 ml/day/head
Meat	74.37	120 gm/day/head	74.37	126.20 gm/day/head
Eggs	1736.43	104 number/year/head	1765.92	104.23 number/year/head

Livestock Population

The density of livestock population per acre of cultivable land is 7.37 and relatively well above the averages for many other countries of the world. In spite of a high density of livestock population, the country suffers from an acute shortage of milk, and beef meat due to low production in accordance with the demands.





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CHALLENGES: FARM MANAGEMENT

- a) The wide gap between traditional and scientific farming
- b) Lack of availability of high-breed animals and knowledge on maintaining those
- c) Lack of space and physical security of animal resources
- d) Inadequate credit support to farmers
- e) No government subsidy to farmers
- f) Shortage of preservation and storage facilities of perishable products
- g) Lack of organized market for selling farm produce and unfair price

CHALLENGES: DISEASES MANAGEMENT

Animal Diseases are also among the most important constraints to livestock development in Bangladesh. In fact, animal disease alone constitutes half of the causes of death of all livestock population.

- a) Inadequate coverage of animal health services and health professionals
- b) Insufficient educational, training, and technology transfer program
- c) Lack of technological advancement and disease diagnostic tools
- d) high occurrence of emerging diseases and high mortality
- e) Indiscriminate use of antibiotic, resulting Antibiotic resistance. It is on of the most important cause of supper bugs and climate changes.

CHALLENGES: GOVT./ ORG. SUPPORT

- a) Lack of regulations and Policy implementation Lack of proper monitoring system
- b) Lack of food safety and animal welfare practice
- c) Inadequate extension services
- d) Lack of quality production inputs for future development of livestock
- e) Lack of breeding policy and high-breed varieties
- f) Low investment in livestock research
- g) Lack of traceability systems and IT based programs



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ACTION NEEDS TO OVERCOME THE CHALLENGES

PROPER MONITORING SYSTEM & POLICY IMPLEMENTATION

INVESTMENT IN LIVESTOCK RESEARCH & DEVELOPMENT

CREATE STRONG MARKET LINKAGES

PROVIDE ADEQUATE CREDIT SUPPORT TO FARMERS

ESTABLISH TRACEABILITY SYSTEMS & DATA CENTER

PROVIDE UPGRADE VETERINARY SERVICES

DEVELOP HUMAN RESOURCE

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MLAF's activities to overcome the challenges?



Training and capacity building program



Hospital service



Laboratory service



Community development and social services









Training & Capacity-building Activities















Hospital Service

It's the first outdoor veterinary service in Bangladesh, which is engaged with:



- a.Domestic animals
- **b**.Pet animals
- c.Birds
- Surgery
- Postmortem
- Vaccination
- Consultancy
- 👍 Farm visit









Community development program









Safe and Green Bazaar Farm to Consumers Doorsteps



Feed Microbiology Laboratory

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FOOD ANALYSIS REPORT

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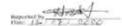
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- Provided animal health support to 10,000+ farmers
- Produced 1,000+ entrepreneurs
- Created 300+ livestock services provider
- Created 200+ Female livestock community worker
- ➤ One Health Training provided to 5,000 students
- > Awareness disseminated among 200 butchers

THANK YOU SO MUCH!

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