



## Policy Recommendations for Pakistan – Seminar on Agriculture Development Policy

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## On behalf of Pakistani team

We would like to thank Center of International Cooperation Service, Ministry of Agriculture and Rural Affairs, in China to give us this opportunity to attend this online seminar and exchange knowledge with other colleagues from different countries despite of Covid-19 pandemic. We appreciate the continuous cooperation between Pakistan and China and would try to enhance it in the future.

### Team

1. Prof M Subhan Qureshi, Ex-Dean Univ Agric Peshawar/President Dairy Science Park
2. Mian M Salman Ayub, Agronomist , Valley Irrigation Pakistan.
3. Prof. Dr. Fahd Rasul, Member of Agro Climatology lab, University of Agriculture Faisalabad.

# Pakistan - World Ranking

**Population** – 5th most populated in the world, **Cotton** – 4th position in the world, **Sugarcane** – 5th position in the world, **Wheat** – 9th position in the world, **Rice** – 12th position in the world, **Maize** – 14th position in the world, **Livestock** – 2nd in buffalo; 13th in cattle; 9th sheep; 3rd in goat, **Milk** – 5th position in the world, **Fruits** – Comparative advantage in mango, citrus and dates

**Earlier: Food insecurity, Rationing of Food, Imports, Charities, Low per acre production, no adoption of new technologies**



# The Issues

*Total value*      **Rs.1000 b**  
*An meat prod*    **Rs.200 b**

- Entrepreneurship contribution???
- Hygienic food production ????







- *Animal transportation ?*
- *Products processing ?*
- *Formal investment ?*

- *Traceability of products ???*
- *QC certification ????*

# Institutional focus

- Livestock Extension, health coverage
- Livestock Research, vaccine and diagnosis
- Livestock Education, veterinary medicine
- Agric Extension/Research, Crops Production & Mngt
  
- Deputy Commissioner, price capping, no QC
- Legal courts, price capping, no QC
- SMEDA, little attempts
- KPCCI, low priority
- Public health, low priority
- ORIC Offices of Universities, underutilized
  
- **Entrepreneurship/exports, missing**
- **Hygienic/Halal concepts, missing**
- **QC Control/Traceability, missing**

# Dairy Science Park Strategy

## 1. Int Conferences and Industrial Exhibitions Series

DSP I - 2011 Peshawar



DSP-II - 2013 Peshawar





DSP III - 2015 Peshawar

DSP-IV - 2017 Konya







DSP V - 2019 Quetta + BLE

DSP Quetta established at QCCI



## 2. Biorisk Management Workshops Series

2015 - Amsterdam  
2016 - Dubai  
2016 - Bangkok  
2017 - Phuket  
2017 - Colombo  
2017 - Konya  
2018 - Amman  
2019 - Dubai





### 3. Entrepreneurship Development through Academia Industries Linkages



- 2014
- Minister Agric inaugurated Livestock Desk at KPCC
- 2014: Univ Feed Mill functionalized
- 2014 Introduced farming innovations
- 2015 Established pvt companies
- 2016 Introduced QC certification







# The Beacon of Hope

## Kamran Khan





# 4. Policy Dialogue



- **Minister LGE&RD** chaired a high level meeting and agreed on establishing Task Force on Dairy Science Park; approved Rs.200 m for Slaughter-house
- **Additional Chief Secretary** appreciated DSP as “the innovative idea of the LG regarding establishment of Dairy Science Park at Peshawar to provide hygienic food production to the whole province
- **Chief Minister KP** approved Task Force for DSP on 2-8-2018; notification pending at Agriculture Department



# FAO-UN KP Livestock Action Plan 2019 submitted



Establishing Gomal  
Technopark agreed at DI  
Khan

Establishing Livestock  
Business Facilitation  
Centers agreed at  
Divisional Headquarters

# Emerging scenarios

## DRIVERS OF AGRICULTURE TRANSFORMATION

Increasing **population** leading to higher (and quality) demand of food, Food diversification, Increasing **urbanization**, Increasing **rural migration**-tenant farming, contract and cooperative farming, Increasing inter- and **intrasectoral competition** for resources: land, water, energy, credit, Increasing **globalization**, **trade barriers**, information and communication, innovative technologies, **Biotechnology**, space sciences and ICT etc

## Targets and opportunities

Achieving agriculture growth **at 4% per annum**, Increase horticultural exports **by 5% every year**, Supporting **pulses and oilseed** production, Development of **hybrid seed industry**, Make agriculture **profitable**, Controlling **trans boundary** pest and diseases, Incentive for **Halal food** industry, Agri **Business opportunities at CPEC**, Processing/value addition at farm level to reduce **postharvest losses**, Development of **agriculture service providers**, Dissemination of technology for **waste water reuse** and Harvesting of un-tapped potential of rain water and hill torrents



# Climate Change

- Climate change is a **reality**, Pakistan agriculture is suffering a lot and will be significantly suffered due to **heat, erratic weather**, and **decreased irrigation** availability.
- Adaptation strategies can help minimize **negative impacts**.
- Robust **research**, funding, and policy support is immediately needed.
- Costs of adaptation and mitigation are unknown but likely to be high; costs of inaction could be even higher and therefore, immediate actions are warranted to start **adaptation options at** all levels through academia, research, extension, farmers, civil society and media.

# Livestock Value Chain

- Academia-Industry-Government Nexus for supporting entrepreneurship development
- QC and traceability at livestock farms, processing units and marketing facilities
- Biorisk Management
- Removing government regulations on price control of meat and milk and categorization of products on the basis of quality as A, B and C.
- Advocacy Forum protecting interest of stakeholders
- Establishing autonomous Technoparks with regulatory, administrative, legislative and financial powers

# Thanks

