

PAKISTAN AGRICULTURE EXTENSION SYSTEM



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PROFILE

- ✓ Pakistan is situated between the latitudes of 24° and 37° North and longitudes of 61° to 75° East, stretching over 1 600 kilometers from North to South and 885 kilometers from East to West, with a total area of 796 095 square kilometers .
- ✓ It is bordered in East with India, North with China and Russia, West with Afghanistan and Iran and South with the Arabian Sea
- ✓ It has a subtropical and semi-arid climate. The annual rainfall ranges from 125 mm in the extreme southern plains to 500 to 900 mm in the sub-mountainous and northern plains
- ✓ About 70 percent of the total rainfall occurs as heavy downpours in summer from July to September, originating from the summer monsoons and 30 percent in winter
- ✓ Summers, except in the mountainous areas, are very hot with a maximum temperature of more than 40° C, while the minimum temperature in winter is a few degrees above the freezing point



ECONOMY

- ✓ Agriculture is the mainstay of Pakistan economy. It contributes 20% of the GDP and is the main source of revenue.
- ✓ A variety of crops is cultivated, including Wheat, Rice, Cotton, Sugarcane, Maize, Pulses, Oilseeds, Fodder crops, fruits and vegetables etc
- ✓ About 65% of the population is engaged in agriculture & 45% of the labor force is engaged in agriculture.
- ✓ Agriculture is the major source of foreign exchange earnings.
- ✓ About 64% of exports are based on agriculture raw material.
- ✓ Agriculture is a source of food for the increasing population of our country. About 24.5 million tons of Wheat, 6.0 million tons of Rice, Sugarcane 62.7 million tons, Maize 4.2 million tons and Potato 3.5 million tons produced in the country.

AGRICULTURE EXTENSION SYSTEM

- Village Cooperative Movement, Village Agricultural and Industrial Development Programme (V-Aid), Agriculture Development Corporation (ADC), Integrated Rural Development Programme (IRDP)
- Training & Visit Programme (T&V), Modified T & V Programme, Farmer Field School (FFS), Plant Wise (Plant Doctors).
- Private Sector Extension System i.e Input Suppliers, NGOs, Farmers Organizations
- Agriculture Help lines 0800-15000, 0800-19000, 0800-29000 ,0800-02220, Cable Network, FM Radio, SMS, Robo Calls



AGRICULTURE EXTENSION SYSTEM

Agriculture Extension E-activities

- www.fvdp.gop.pk
- <http://www.facebook.com/pages/Agriculture-Extension-Wing-Punjab-Pakistan/235402079810882>
- <http://www.fertilizeruaf.pk/>
- <http://e-zaraat.org/>
- <http://www.zaraibaithak.com/>
- <http://www.agripunjab.gov.pk/>



MAJOR CHALLENGES

- Stagnation in Yields
- Climate Change
- Soil, Water Health and losses
- Land Fragmentation
- Burgeoning food and nutrition needs
- Cost of Production
- Low input Use efficiency
- Marketing Problems
- Low pace of diversification
- Rapid eating of fertile soils
- Energy crisis



PROGRAMS AND INITIATIVES

- Research Programs on Development of Seeds having
 - par excellence yields
 - climate resilience
 - Breeding for Nutrition Improvement
- Mapping of Soil Fertility profile, display and soil amendments
- High Efficiency Irrigation Systems
- Green Tractor Programs for Rural Youth & Implements Schemes
- Tunnel Farming for Offseason Cultivation
- Specialized Extension System for Fruit and Vegetables
- Capacity Building of farmers through innovative methods
- Use of ICT to increase the reach of services
- Public Private Partnerships for Agriculture Development
- Strengthen institutional mechanism for scientific forecasting of production, consumption, and trade of agricultural commodities

PROGRAMS AND INITIATIVES

- Productivity Enhancement programs of Wheat, Cotton, Rice, vegetables and pulses
- Value Chain and traceability projects for international compliances
- Short, Medium and Long Term Vision for Agriculture
- Reforms and new acts on Seed, Pesticide, Fertilizer, Agricultural Storage, Food Quality and Control Act
- Special programs on building institutions, providing resources, and training of small farmers
- Re-orient Marketing System and laws to create enabling environment for the private sector
- Gradual transition to high value crops and input to knowledge based systems
- Removal of regional disparities by promotion of Technologies according to zones



SUPPORT FROM AESA

- Sharing of successful techniques on extension systems especially in ICT and demonstration techniques
- Sharing of Knowledge on Good Agriculture Practices for small farmers on productivity enhancement, diversification and value addition
- Strengthening of Linkages between public sector Extension system in South Asia
- Maintenance of linkages between Extension Training institutes
- Sharing of skills for training of In-service and Pre-Service Training of frontline and medium to senior level extension agents & master trainers
- Monthly Newsletter and exploration of training needs of extension agents
- Learning about public-private linkages, technology adoption methods and related achievements from member countries
- Agriculture Extension Forum at SAARC Level for coordination to share knowledge and review of ongoing activities for the refurbishment of knowledge frontiers.

THANKS

