Pakistan – Country Report

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PAKISTAN ECONOMY AND AGRICULTURE SECTOR

Agriculture sector is still the largest sector of the economy with deep impact on socio-economic set up. It is the source of the livelihood of almost 44.7 percent of the total employed labour force in the country. With the present contribution to GDP at 21.8 percent, agriculture sector is the mainstay of the rural economy around which socio-economic privileges and deprivations revolve.

Selected Country Statistics

- Agricultural Population 67.5 million
  - GDP $ 143.6 million
  - Agric. GDP: 21.8 %
- Agricultural Land 22.1 million ha
  - GNI per capita: $ 870
  - Hunger: 23 %

GDP= Gross Domestic Product; GNI = Gross National Income;
Hunger = Population below minimum energy requirement

PAKISTAN'S AGRICULTURE SECTOR

- Total Area — 79.61 m. ha
- Area Surveyed — 57.07 m. ha
- Cropped Area — 23.13 m. ha (40%)
  - Irrigated areas: — 19.02 m. ha (33%)
  - Un-irrigated — 4.11 m. ha (7%)
- Area under forest — 4.02 m. ha (7%)
- Culturable Waste — 8.12 m. ha (14%)

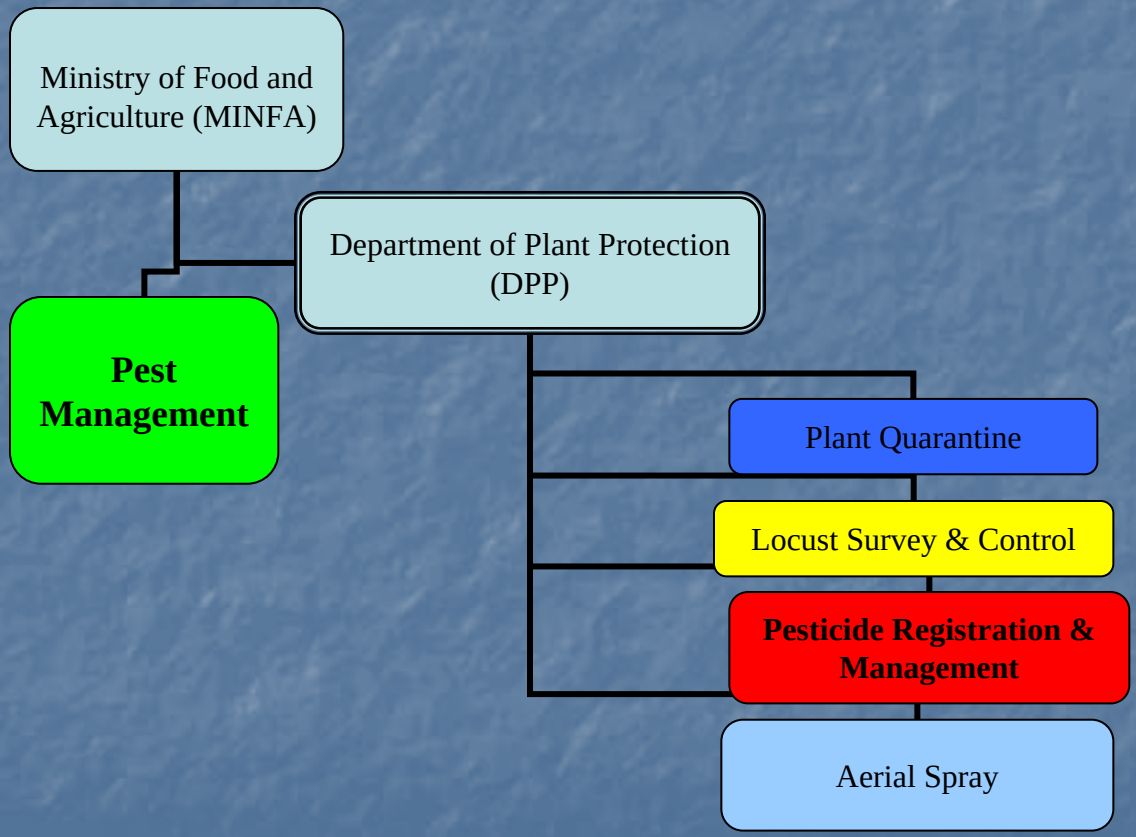
IMPORTANCE OF AGRICULTURE SECTOR

- Gross Domestic Product (GDP): 22%
- Employment / Labour absorption: 44%
- Population dependency: 66%
- Share in export: 66%
- Share of value addition: 51%

(Source: Pakistan Economic Survey 2008-09)

PAKISTAN

Plant Protection Organisation Chart



Color Code: Phytosanitation | Outbreak Management | Pest Management | Pesticides | NPPO

DEPARTMENT OF PLANT PROTECTION

MAIN FUNCTIONS

Survey & Control

- Locust survey and control in desert areas and international coordination with FAO and also with other locust affected countries.,
- Crop Pest Control by air
- Training of locust and the other staff

Regulatory

- Enforcement of Plant Quarantine Act 1976 and Agricultural Pesticide Ordinance 1971

Advisory

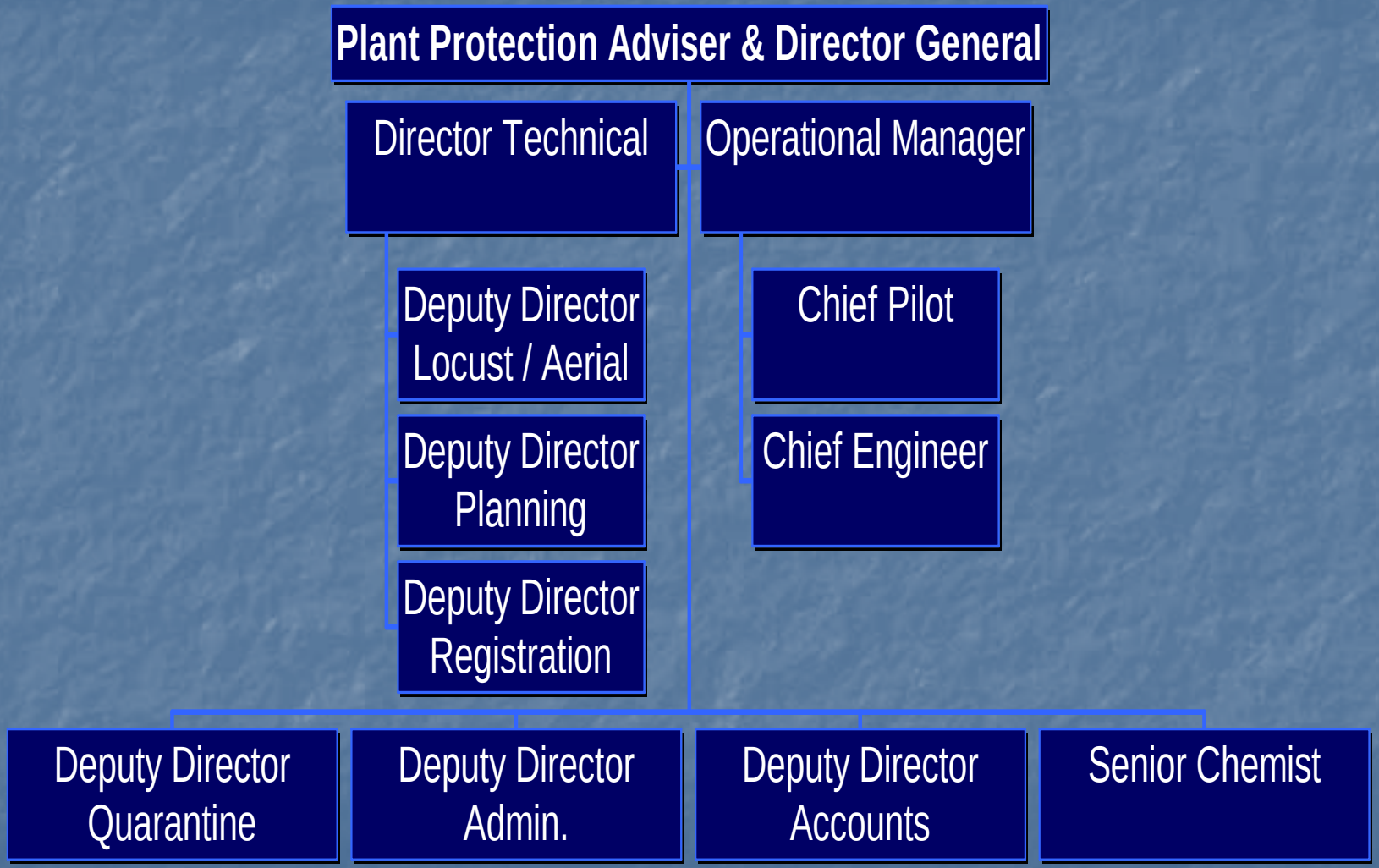
- Advise the Government on all aspects of plant protection including international obligations.

Research

- Disinfestation of fruit pests like Fruitfly with Vapor Heat Treatment plant.

Unique Department: No duplicacy of work with any Federal as well as Provincial Governments.

ORGANIZATIONAL CHART



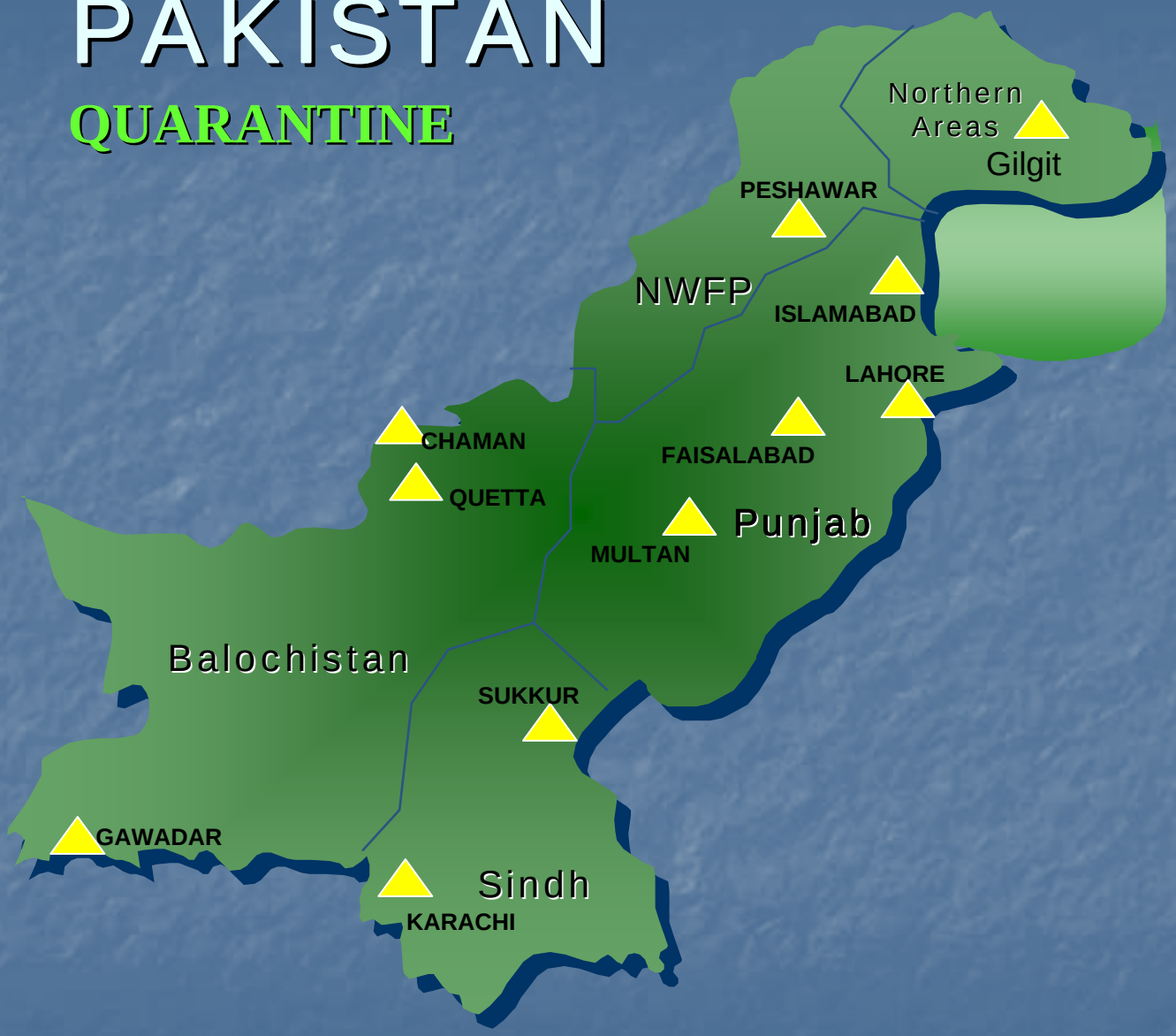
PLANT QUARANTINE

List of Key Legislation/Regulations/Rules

1.Pakistan Plant Quarantine Act, 1976
2.Pakistan Plant Quarantine Rules, 1967
3.Bio-Safety Rules, 2005 and Bio-Safety Guidelines

PAKISTAN

QUARANTINE



PLANT QUARANTINE PROGRESS REPORT 2008 – 2009

Phytosanitary Certificates Issued	:	67100 Nos.
Import Permits Issued	:	14725 Nos.
Release Orders Issued	:	35511 Nos.
Revenue Collected	:	Rs. 55.80 Million

PEST RISK ASSESSEMNTS

A total of 08 PRA of different crops including apple, citrus, grapes, mango, onion, potato, rice and wheat are completed for different insects (52), pathogens (72) and weeds (08) but they are being made in conformity ISPM.

International Trade	Exports	Year: 2008-09
Main Import Plant Commodities	Main countries of origin	No. of phytosanitary inspections
Lint Cotton	Central Independent States (CIS), USA, Egypt etc.	67100
Pulses	Australia, Malaysia, China, India, Iran, USA and Canada etc.	
Medicinal Herbs	Indonesia, Sri Lanka, China, Thailand and India.	
Vegetables Seeds	Europe, Egypt, etc.	
Main Export Plant Commodities	Main destination countries	
Rice	United Arab Emirates, U.K., African countries, Iran, China, Bahrain, Oman, Kuwait.	2,806,256 M. Tons
Fresh and dry Fruits	Middle East, European Countries and Russia, Far East	478,298 M. Tons
Fresh Vegetables	Middle East and European Countries	
Medicinal Herbs	Indonesia, Sri Lanka	

Institutional Functions	Year: 2008-09
No. of import permits issued / inspections	14725
No. of import inspections carried out	14725
No. of emergency phytosanitary treatments taken on imports	-
No. notifications of non-compliance	01
No. of conventional phytosanitary certificates issued	67100
No. of electronic phytosanitary certificates issued	None

- **SURVEILLANCE, PEST OUTBREAKS AND INVASIVE SPECIES MANAGEMENT**

  Cotton Leaf Curl Virus on Bt Cotton

  Sucking insect pests on cotton

  Rice leaf folder and rice borers

  Desert Locust

PEST MANAGEMENT

Organization of Plant Protection Functions	Responsible Organizational Unit (Ministry/Department/Unit)
Policy development	MINFA
Pest management research	NARC + Provincial Agriculture Research Departments
Control recommendations	MINFA/DPP+ Provincial Agriculture Departments
Pest management extension	Agriculture Departments / Extension Dept.
IPM training	NARC + Provincial Agriculture Departments
GAP training	Provincial Agriculture Departments

PESTICIDE MANAGEMENT

List of Key Legislation/Regulations/Rules

1971 & 73	Pesticide Ordinance and Rules.
1992	Amendment in Pesticide Ordinance; relaxation in pesticide import: i. Introduction of generics ii. Import of Pesticide registered in the country of origin.
1997	Amendment in the Pesticide Ordinance to strengthen the punishment provision for pesticide adulteration.
2009	Review of Pesticide Ordinance & Act and Rules for adoption

PESTICIDE MANAGEMENT

AREA OF RESPONSIBILITY	INSTITUTIONS INVOLVED
Pesticide legislation / regulation	Ministry of Food, Agriculture & Livestock, Government of Pakistan
Pesticide registration/authorization	Department of Plant Protection
Pesticide facility licensing	Department of Plant Protection
Pesticide enforcement/inspection	Department of Plant Protection regulates pesticides through the Agricultural Pesticides Ordinance (amendment) Act 1992 & 1997. While the import of pesticides is exclusively in the private sector. **IMPORT STAGE**: ▪ Pre – Shipment Inspection of agricultural pesticides. **DISTRIBUTION / SALE STAGE** ▪ The quality control at this stage is done by the Provincial Governments.

Pesticide health and environmental monitoring	1. Sindh Medical college & National Poison Control Centre (WHO Collaboration Centre) Medical Unit No. 1, (Ward No. 5) Jinnah Postgraduate Medical Centre, Karachi Pakistan. 2. Pakistan Environmental Protection Agency, Ministry of Environment, Islamabad.
Pesticide research / testing	Efficacy trials at different Federal / Provincial research institutes for two crop seasons by at least two research institutes. **Federal / Provincial Pesticide Testing Labs** Total No. of Labs: 10
	Private Sector 1. HEJ Laboratory 2. PARC Laboratory 3. PCSIR Laboratory
Pesticide Industry Association	Croplife Pakistan, Pakistan Crop Protection Association

REGISTERED PRODUCT

TYPE OF REGISTRATION	NO. OF REGISTRATION
Form – 1	425
Form – 16	3336
Form - 17	702
Total	4463

LIST OF BANNED PESTICIDES IN PAKISTAN

ACTIVE INGREDIENTS:

1. BHC
2. BINAPACRYL
3. BROMOPHOS ETHYL
4. CAPTAFOL
5. CHLORDIMEFORM
6. CHLOROBENZILATE
7. CHLORTHIOPHOS
8. CYHEXATIN
9. DALAPON
10. DDT
11. DIBROMOCHLOROPROPANE + DIBROMOCHLOROPROPENE
12. DICROTOPHOS
13. DIELDRIN
14. DISULFOTON
15. ENDRIN
16. ETHYLENEDICHLORIDE + CARBONTETRACHLORIDE
17. LEPTOPHOS
18. MERCURY COMPOUND
19. MEVINPHOS
20. TOXAPHENE
21. ZINEB
22. HEPTACHLOR
23. METHYL PARATHION
24. MONOCROTOPHOS
25. METHAMIDOPHOS

FUTURE PLAN

- Establishment of NAPHIS
- Revision of legislation according to IPPC
- Capacity building

THANK YOU

