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National Agriculture Master Plan of Afghanistan

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IMPORTANCE OF AGRICULTURE IN GROWTH AND DEVELOPMENT OF AFGHANISTAN ECONOMY

- 55% of Gross Domestic Product (GDP)
- 80% of employment in rural areas
- Most of export earnings

THE CURRENT SITUATION

- More than 3 decades of war and turmoil
0.2% growth during 1978 – 2001
- 40% of irrigation systems not functioning
- Plant seeds mixed and degenerated
- Plant and animal diseases
- Farmers lost their access to production inputs and institutional services.
- Lack of human capacity

Agriculture Master Plan

The National Agriculture Master Plan has been set up on the basis of ANDS to fight against poverty and increase agricultural production quantitatively and qualitatively

This AMP included all the following sectors:

- Livestock
- Research/Extension
- Natural Resource Management
- Policy and Planning
- Plant Protection and Quarantine
- Publications and Mass Media
- Provincial Relations
- Food Technology and Quality Control
- Finance and Administration

B. Administrative and Civil Service Reform

- Under this program more than 700 staff of MAI in the centre and 1000 in the provinces were recruited through direct competition in the professional labour market.
- Reform continues in the provinces. Responsibility, honesty and professionalism is the basis of selection.

C. Agriculture Master Plan Development

- The Master Plan was developed with close collaboration and participation of donor community, development partners, senior officials and advisors of the ministry during six months.
- Duration of the MP is 5-years
- Total budget estimated for implementation is about \$2.5 billion

➤ The AMP consists of 7 national programs, the first 3 goals are production and productivity oriented and the other 4 are supportive programs which included:

1- Food security.

2- Horticulture/IPM.

3- Livestock production.

4- Natural resources.

5- Irrigation system.

6- Institutional and policy reform.

7- Develop human capacity for sustained growth .



IPM Strategy Plan

Due to the demolish of all infrastructure in plant protection all over the country, According to AMP of the MAIL this Integrated Pest Management (IPM) Strategic Plan has been provided for five years to establish/renovation of infrastructure for effective control insect pests and diseases in the country. This strategic plan provided in such a way that, the government is responsible for control of epidemic insect pest and disease which are an important constraint to agricultural productivity but farmers through PPQD technical advice and training will control endemic insect's pest and diseases through IPM demonstration plots.

Content

- **Executive Summary**
- **Program Strategy**
- **Program Log Frame**
- **Implementation Plan**
- **Investment Plan**
- **Program Linkages and Synergies**

Overall Objective

Improve livelihoods of Farmer's community

Sub-objective

- To provide sustainable livelihoods and well-being for farmer communities
- To train farmer's communities in IPM through FFS network method
- To bring the insect population below EIL that farmer's could control them self without external intervention.
- To provide facilities for farmer's communities through establishment of IPM's infrastructure.

Activities for all program

- Providing capacity building program.
- Controlling of epidemic/endemic insect pest and diseases (IPM).
 - Moroccan locust
 - Sunn pest
 - Colorado Potato Beetle
 - Melon Fly *Myiopardalis pardalina*
 - Brown Tail Moth
 - Powder Mildew of grapes
 - Whit grub
 - Rats
- Constructing of diagnostic insect pests and diseases labs.
- Constructing/activated of Quarantine networks registration in the borders.
- Constructing/activated of biological lab.
- Rehabilitating and equipping pesticide analysis lab.
- Participating in regional and international IPPC Convention.

1. Investment Plan

S / N	Component	investment plan (US\$)					Total Cost	nt /componen	Re marks
		year 1	year 2	year 3	year 4	year 5			
1	Component 1 (Capacity Building)	849000	849000	424500	424500	283000	2830000	10.207	
2	Component 2 (IPM of epidemic insect pests and diseases)	2606700	2606700	1303350	1303350	868900	8689000	31.338	
3	Component 3 (diagnostic insect pests and diseases labs.)	1499971.6	1499971.6	750885.6	750885.6	750885.6	5252600	18.944	
4	Component 4 (Quarantine network)	2838300	1892200	1892200	946100	946100	8514900	30.71	
5	Component 5 (Biological control labs.)	378000	378000	378000	0	0	1134000	4.09	
6	Component 6 (pesticide analysis labs.)	393467	393467	393466	0	0	1180400	4.257	
7	Component 7 (strengthen the relation with international PPQD convention)	25000	25000	25000	25000	25000	125000	0.45	
Total		8590438.6	7644338.6	5167401.6	3449836	2873885.6	27725900	99.996	

IPM Logical Framework

<i>Overall Goal</i>	<i>Output</i>	<i>Activities</i>	<i>Objectively Verifiable Indicator</i>	<i>Means of Verification</i>	<i>Assumption or Risks</i>
To provide the livelihoods and well-being of farmer's community through management of insect pests, mites, diseases and weeds in agricultural products through attempting all available control (IPM) measures in such a way to eliminate or at least reduce their damage to plants and plant product cost effective and environmentally sound.	Livelihoods of Farmer's community will improve	<ol style="list-style-type: none"> 1. Providing capacity building program. 2. Controlling of epidemic insect pest and diseases (IPM). 3. Constructing of diagnostic insect pests and diseases labs. 4. Constructing of Quarantine networks in the registration borders. 5. Constructing of biological lab. 6. Rehabilitating and equipping pesticide analysis lab. 7. Participating in regional and international convention. 	<ol style="list-style-type: none"> 1. Farmers who adapted IPM methods achieve 30 % greater yields of marketable crops on average. 2. Farmer's income profit increased 8-10 % 3. 5000 farmers trained in IPM. 	<ol style="list-style-type: none"> 1. IPM program manager will collect a data at the time of intervention are undertaken and report to the MAIL. 2. MAIL's plant protection and extension staff will conduct spot checks to verify results. 	<ol style="list-style-type: none"> 1. Funds Available in a timely manner 2. Security improved 3. Roads and transport available 4. Weak capacity of the MAIL in technical and financial issue 5. No severe climatic conditions (e.g. drought etc) 6. Accurate information available on the identify of the pest and diseases and effective control measure

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➤ Thank you