

**Afghanistan-Pakistan Activities**  
**Quarter Report VII**  
**(April-May-June 2004)**  
**Sustainable Development of Drylands Project**  
**IALC-UIUC**

**Introduction:**

Principal activities completed this quarter were:

The series of month-long courses offered to groups of twenty participants on selected topics was continued. Since the initiation of this training program in August 2003, a total of 170 Afghan agricultural scientists have been reached through a total of nine courses.

Two courses were successfully delivered in Afghanistan during the month of May, using facilities at the Kabul University Faculty of Agriculture. The course titles were “Enterprise Development and Management Skills” and “Extension Methodology and Technology Transfer”. Professors from the NWFP-AU in Peshawar, Pakistan served as the principal instructors, with assistance from selected Afghan cooperators. The visiting AU professors also accepted invitations to serve as guest lecturers at Kabul University.

Another two courses in this series were begun on June 14. These courses on “Animal Nutrition” and “Integrated Pest Management” are being conducted at the NWFP-AU.

Progress was made on long-term degree training plans. Five faculty members have been selected from Nangarhar University in Jalalabad and five from the Faculty of Agriculture at Kabul University. This initial group of ten will enroll for the 2004 fall semester at the NWFP-AU to complete various prerequisites and begin M.Sc. degree study.

Progress was made on the scientist-to-scientist specialized training that will support and operationalize “twinning” of selected research stations in Afghanistan with stations in the NWFP-AU system. Nineteen research scientists were identified at the Shasham Bagh and Darul Amaan Research stations to begin using the 16 individual training slots funded in our RAMP Job Order. Seven of these specialized training programs started July 1.

An Assistant Training Coordinator, Mohammad Agha Jabarkhil, also funded by the RAMP Job Order, was hired and placed in the offices of Mercy Corps-Afghanistan to serve as the IALC/UIUC contact in Kabul. Arrangements for his office space and logistical support have been formalized via a Letter of Understanding with Mercy Corps.

Most of these activities are contingent on the transfer of supplemental funding, made available through our RAMP Job Order, from RAMP-Kabul to IALC headquarters at the University of Arizona. We have been assured that this transfer is “in process”.

Details on these principal activities are given in the section which follows.

### **Activities of this period (April 1 to June 30):**

Outlines of the two courses held in Kabul during May are attached to this report along with a list of participants and a summary of the course evaluations. While everyone agrees that training programs must be delivered in Afghanistan whenever possible, participant evaluations point out that the better-developed agricultural sector in Pakistan seems to offer more opportunities for case studies, field trips and practical activities.

Outlines and participant lists for the courses currently being conducted at the NWFP-AU, “Animal Nutrition” and “Integrated Pest Management” are attached. The next two courses, one funded by the RAMP buy-in and one by core funds, will begin July 15. Titles of these courses are “Post Harvest Management and Marketing Skills” and “Preservation of Fruits and Vegetables”. Course announcements are attached.

The process of soliciting nominations and identifying candidates for the ten M.Sc. degree slots is also explained via attachments. Those attachments are: Letters to the Deans of Agriculture at Nangarhar and Kabul Universities, which led to the list of ten individuals whose applications have been submitted for Fall 2004 enrollment at the NWFP-AU.

In addition to contacts with these two universities, Dr. Qayyum made visits to the University of Alberuni in Parwan and Balkh University in Mazar-e-Sharif, as well as Kandahar University and Herat University to explain the IALC/UIUC training program. With the next installment of supplemental funding, nominations of M.Sc. candidates will be solicited from all six Afghan universities that offer degrees in agriculture.

The current installment of supplemental funding includes support for specialized training programs of two weeks duration for a total of 16 individuals from the agricultural research system in Afghanistan. These specialized training programs are an integral part of the larger plan to form “twinning” relationships between research stations in Afghanistan and selected stations in the NWFP. Activities completed this quarter consisted of identifying two stations, (Shesham Bagh in Nangarhar Province and the Darul Amaan station near Kabul), then soliciting nominations for these scientist-to-scientist training slots. The list of 19 nominees from these two stations is attached.

Subsequent steps will consist of identifying the appropriate stations in the NWFP-AU system, then organizing the resources and personnel needed to carry out these training programs. Training arrangements have already been made for seven of these nominees and their programs were started July 1. Four maize researchers from the above two stations have been attached to the Cereal Crops Research Institute (CCRI) at Pirsabak. Three other Afghan scientists are working with researchers at ARS-Mingora on vegetable crops and other horticultural commodities. This specialized training is delivered in a series of “calls”. Trainees come to the NWFP, usually early in the season or at planting time, then are “called back” for their second week of training at a later “critical stage” in the growing season. This could be at harvest time. This approach allows the Afghan research staff to continue their work at home with only minor interruption for training.

Another informative attachment is the press release prepared by Dr. Qayyum at the time the courses in Kabul were getting underway. This story presents the challenges faced by agricultural and rural development professionals in Afghanistan and describes how the IALC/UIUC training programs are beginning to address some of these challenges through human capacity development. We are pleased to report that this story was published in “The News”. This is a leading Pakistani newspaper which is read throughout the country and is distributed widely in Central Asia.

**Activities Planned for the following Quarter (July 1-September 30):**

Assuming that a traditional buy-in from USAID-Kabul, i.e., allocating money directly into the IALC Cooperative Agreement, is not an option; we will need to prepare another Job Order for submission to RAMP requesting continued supplemental funding for the remaining calendar year 2005 programs. USAID’s Bureau for Asia and the Near East has suggested that IALC training programs support a wide range of development assistance projects that are underway in Afghanistan. Advice from the RAMP Project Management Unit (PMU) in Chemonics International also suggests that our training programs play a role in coordinating and supporting the full range of projects and job orders being funded by RAMP. The PMU has given us descriptions of 35 Job Orders currently being funded by RAMP and a summary of more than 70 development assistance projects underway in the various provinces of Afghanistan. This information will be used as a point of departure from which we can identify short course topics and other training programs/approaches that will meet the human capital development needs of project activity nation-wide.

Drawing on resources of the NWFP-AU and IALC institutions to provide training support for this expanding array of project activity is a task that will command our attention well beyond the upcoming quarter. A critical element in addressing this challenge will be close communication between IALC and RAMP representatives, especially in the field. Much of this communication, at least the day-to-day dialogue, will take place between our Assistant Training Coordinator (Mohammad Agha Jabarkhil) and the RAMP staff person assigned to manage the IALC project. At present, that project manager is Mohammad Alem Alemi. The field office in Peshawar, with Dr. Qayyum as Director, will serve as the communication link between Mr. Jabarkhil and the Illinois-based managers of this component. This project management infrastructure has been put in place over the past six months and should serve us well in the future. Interaction among individuals at these three levels should result in sound decisions on the nature of training programs offered when the next Job Order submitted to RAMP.

These challenges give new importance to the “Proposal for Strengthening the NWFP Agricultural University” which was submitted to USAID/Islamabad in December 2003. Since that submission, we have received mixed reactions from Islamabad. Although the latest reply (May 14) was positive, staff changes in that Mission have once again delayed a decision on this proposal. With the departure of Margaret Harritt, it appears that Peter Duffy and/or Ross Wherry are in a position to make decisions on funding this proposal (whether entirely or with modifications) and on the preferred contracting mechanism.

Hopefully, they will see value in assisting and positioning the NWFP-AU to become a source of training support that is needed by project activity underway in Afghanistan. This would, of course, be an interim measure until sufficient training capacity is developed in Afghanistan. At that stage, the NWFP-AU could assume its role as a regional center of excellence in agricultural education, research and outreach.

The Afghanistan-Pakistan Training (APT) Group will meet on July 28. Their guidance and insight will be useful as we address the above-mentioned challenges. Details on the role and make-up of the APT Group can be found in last quarter's report.

We have not lost sight of the need to formalize the relationship between the NWFP-AU and the Illinois Universities (UIUC and SIUC) by renewing the Memorandum of Understanding that was executed in 1994 at the conclusion of the TIPAN project. The MoU renewal/extension needs to be approved by the Faculty Senate (Syndicate). The NWFP-AU registrar has given assurance that this item is on the agenda for the syndicate's July 10 meeting.

**Course Contents-0304**  
**Enterprise Development & Management**  
**Skills**

**Part - 1**  
**Starting-up A Small Business Enterprise**

- I. Enterprise, Business & Business Organizations:  
Concept & Definitions
  - A) Business Organization: Forms & Structures
    - 1. Business Organizations: By Size
    - 2. Business Organizations: By Structure
      - Self Employment/Sole Proprietorship
      - Partnership: Advantages & Disadvantages  
Partnership under Islamic Laws
      - Corporations: Regular & Sub-chapter S, Agricultural  
Corporations, Islamic Forms (Modaraba & Musharaka)
      - Cooperatives
    - 3. Business Organizations: A Comparison
  - B) Small Enterprise & Entrepreneur: Concepts/Definitions
    - 1. Economic Resources & Entrepreneurship
    - 2. Entrepreneurs & Owner-managers  
Entrepreneurial Types & Traits  
Characteristics of a Successful Entrepreneur  
Portraits of an Entrepreneur/The Model Entrepreneur  
Are You an Entrepreneur? Test Yourself
- II. Starting-Up a Small Business: The Business Plan
  - A) Would You Start Your Own Business Or ...?  
Motivation of Starting a Business: Pull & Push Factors  
Starting Your Own Business/Buying an Existing One  
Outright Purchase, Buy-in, Buy-out or BIMBO  
Franchising
  - B) Location & Layout  
Where Not to Locate/Important Points in Location  
Location: Build, Buy or Lease  
Layout of Location  
Rating the Suitability of Location
  - C) Finance and Financing the Business  
Finance: What is it? What is it for?  
Financial Needs: Fixed & Working Capital  
Factors Determining Fixed & Working Capital  
Finance: How to Estimate the Requirements?  
Sources of Finance: Your Own Capital, External/Internal  
Financing  
Credit Worthiness? Five Cs?

- D) Planning for Small Businesses
  - Strategic Planning: Steps? Why Does Strategic Planning Fail?
  - Strategies to Fight the Giants
  - Steps in Planning Process/ Steps in Developing A Business Plan
- E) The Business Plan
  - Format of a Business Plan: Three Key Questions?
  - Writing Down A Business Plan

**Part - 2**  
**Managing the Small Business**

- I. Managing the Business - Tools
  - A) The Needed Records & Entries
    - Vouchers/Invoices/Receipts etc.: Some Specimens
    - Registers: Stock Register, Journal, Ledger & Cash Book
    - Entries: Stock Register & Inventory
    - Accounting Equation/Double-Entry Bookkeeping
    - Entries: Cash Book, Journal & Ledger
  - B) Preparing Financial Statements
    - Budgets & Budgeting: Sales Budget, Production Budget, Financial Budget & Plan, Cash Budget, Crop & Livestock Budgets, Capital Budgeting
    - Income/Profit or Loss (P&L) Statement
    - Balance Sheet & Net Worth Statements
    - Cash Flow Statement
  - C) Analyzing Financial Statements - A Routine Job
    - Analyzing P&L Statement: Operating Margin of Profit & Operating Cost Ratios; Vertical & Horizontal Analysis, and Trends
    - Analyzing Balance Sheet, Net Worth & Cash Flow Statements
    - Ratios Analysis
  - D) Analytic Tools & Techniques for Special Occasions/Purposes
    - Break-Even Analysis - For Assessing Sustainable Profit
    - Partial Budgeting - For Assessing New Introduction
- II. Managing the Business - The Resources
  - Supplies: The EOQ Concept; Purchasing Plan
  - Human Resources: Recruitment & Training;
  - Organizational Plan
- III. Managing the Business - The Marketing Plan
  - Market Research
  - Market Entry: Strategies
  - The Product & The Market

**Part - 3**  
**Special Issues**

- I. Business Sustainability & Expansion
  - Small Business Failures: Critical Factors
  - PEST & SWOT Analysis
  - Management Audit/Checklist for Managers
  - Applications of Economics Principles: Diminishing Returns, Equi-marginal Returns & Marginal Cost-Marginal Return Principles; Opportunity Cost Principle; Fixed-Variable Costs Concept; Whether & When to Specialize/Diversify
  - Survival and Beyond Survival Strategies
  - Strategies for Growth: A Composite Model
- II. Legal Issues & Government Policies
  - Legal Framework: Registration, etc.
  - Government Rule & Regulations and Taxation Policies Governing:
    - \* Production & Consumption
    - \* Import & Export Trade
- III. Globalization & WTO Conditionalities
  - Globalization Effects
  - WTO Agreements & Implications:
    - Quality and Price Matter
    - International Agencies/Sources to Take Help From
- IV. Afghanistan Specifics
  - Choice of Business Organization? Important Questions to Consider; Sole or Shared Ownership; Where to Start: Sole Trading, Partnership, Cooperatives, Franchising or Buy-in/Buy-out/BIMBO
  - Choice of Commodities & Products?
    - Consumer & Industrial Goods
    - Entrepreneurial Projects: Some Examples
  - ICARDA's Research on Afghanistan:
    - Rich Potential of Horticulture
    - Economics & Social Rate of Return on Investments
  - Processing & Value-Addition
  - What Do Your Own Experience & Expertise Suggest?
    - Your Choice for Daily Consumption Products
    - Your Choice of Products for Import-Substitution
    - Your Choice of Products for Export Market

**Course Schedule-0304**  
**Enterprise Development & Management Skills**

Date	Lecture/Topics	Timings
1.05.04	Lecture 1 Introduction: Course/Organization of the Course	08.00 AM
1.05.04	Lecture 2 Starting-up A Small Business Enterprise Enterprise, Business & Business Organizations: Concept & Definitions Business Organization: Forms & Structures Business Organizations: By Size Business Organizations: By Structure • Self Employment/Sole Proprietorship • Partnership: Advantages & Disadvantages Partnership under Islamic Laws	10.30 AM
2.05.04	Lecture 3 (Lecture 2 - continues) • Corporations: Regular & Sub-chapter S, Agricultural Corporations, Islamic Forms (Modaraba & Musharaka) • Cooperatives Business Organizations: A Comparison	08.00 AM
2.05.04	Lecture 4 Small Enterprise & Entrepreneur: Concepts & Definitions Economic Resources & Entrepreneurship Entrepreneurs & Owner-managers a. Entrepreneurial Types & Traits b. Characteristics of a Successful Entrepreneur	10.30 AM
3.05.04	Lecture 5 (Lecture 4 - continues) c. Portraits of an Entrepreneur/The Model Entrepreneur d. Are You an Entrepreneur? Test Yourself	08.00 AM
3.05.04	Lecture 6 Starting-up A Small Business: The Business Plan Would You Start Your Own Business Or ...? Motivation of Starting a Business: Pull & Push Factors Starting Your Own Business/Buying an Existing One	10.30 AM
4.05.04	Lecture 7 Outright Purchase, Buy-in, Buy-out or BIMBO Franchising	08.00 AM
4.05.04	Lecture 8 Location & Layout 1. Where Not to Locate/Important Points in Location 2. Location: Build, Buy or Lease 3. Layout of Location 4. Rating the Suitability of Location	10.30 AM



5.05.04	Lecture 9 Finance and Financing the Business Finance: What is it? What is it for? Financial Needs: Fixed & Working Capital Factors Determining Fixed & Working Capital	08.00 AM
5.05.04	Lecture 10 Finance: How to Estimate the Requirements?	10.30 AM
6.05.04	Lecture 11 Sources of Finance: Your Own Capital, External Fund, Internal Financing Credit Worthiness? Five Cs?	08.00 AM
6.05.04	Lecture 12 Planning for Small Businesses Strategic Planning: Steps? Why Does Strategic Planning Fail?	10.30 AM
8.05.04	Lecture 13 Strategies to Fight the Giants Steps in Planning Process/ Steps in Developing A Business Plan	08.00 AM
8.05.04	Lecture 14 The Business Plan Format of a Business Plan: Three Key Questions?	10.30 AM
9.05.04	Lecture 15 Writing Down A Business Plan	08.00 AM
9.05.04	Lecture 16 Managing the Small Business Managing the Business - Tools A) The Needed Records & Entries Vouchers/Invoices/Receipts etc.: Some Specimens Registers: Stock Register, Journal, Ledger & Cash Book Entries: Stock Register & Inventory	10.30 AM
10.05.04	Lecture 17 Accounting Equation/Double-Entry Bookkeeping	08.00 AM
10.05.04	Lecture 18 Entries: Cash Book, Journal & Ledger	10.30 AM
11.05.04	Lecture 19 B) Preparing Financial Statements Budgets/Budgeting: Sales & Production Budgets, Financial Budget/Plan, Cash Budget	08.00 AM
11.05.04	Lecture 20 Crop & Livestock Budgets, Capital Budgeting	10.30 AM
12.05.04	Lecture 21 Income/Profit or Loss (P&L) Statement; Balance Sheet	08.00 AM
12.05.04	Lecture 22 Balance Sheet & Net Worth Statements Cash Flow Statement	10.30 PM
13.05.04	Field Visit	08.00 PM

15.05.04	Lecture 23 C) Analyzing Financial Statements - A Routine Job Analyzing P&L Statement: Operating Margin of Profit & Operating Cost Ratios; Vertical & Horizontal Analysis, and Trends	08.00 AM
15.05.04	Lecture 24 Analyzing Balance Sheet, Net Worth & Cash Flow Statements	10.30 AM
16.05.04	Lecture 25 Ratios Analysis	08.00 AM
16.05.04	Lecture 26 D) Analytic Tools & Techniques for Special Occasions/ Purposes Break-Even Analysis - For Assessing Sustainable Profit	10.30 AM
17.05.04	Lecture 27 Partial Budgeting - For Assessing New Introduction	08.00 AM
17.05.04	Lecture 28 II) Managing the Business - The Resources Supplies: The EOQ Concept; Purchasing Plan	10.30 PM
18.05.04	Lecture 29 Human Resources: Recruitment & Training; Organizational Plan	08.00 AM
18.05.04	Lecture 30 III) Managing the Business - The Marketing Plan Market Research Market Entry: Strategies	10.30 AM
19.05.04	Lecture 31 The Product	08.00 AM
19.05.04	Lecture 32 The Market The Processing of Selling/Personal Selling	10.30 AM
20.05.04	Field Visit	08.00 PM
22.05.04	Lecture 33 Personal Selling - continues The Marketing Plan	08.00 PM
22.05.04	Lecture 34 Special Issues I) Business Sustainability & Expansion Small Business Failures: Critical Factors PEST & SWOT Analysis	10.30 AM
23.05.04	Lecture 35 Management Audit/Checklist for Managers	08.00 AM
23.05.04	Lecture 36 Applications of Economics Principles: Diminishing Returns, Equi-marginal Returns & Marginal Cost-Marginal Return Principles; Opportunity Cost Principle; Fixed-Variable Costs Concept; Whether & When to Specialize and Diversify	10.30 AM

24.05.04	Lecture 37 Survival and Beyond Survival Strategies Strategies for Growth: A Composite Model	08.00 AM
24.05.04	Lecture 38 II) Legal Issues & Government Policies Legal Framework: Registration, etc. Government Rule & Regulations and Taxation Policies Governing: <ul style="list-style-type: none"> <li>• Production &amp; Consumption</li> <li>• Import &amp; Export Trade</li> </ul>	10.30 AM
25.05.04	Lecture 39 III) Globalization & WTO Conditionalities Globalization Effects WTO Agreements & Implications	08.00 AM
25.05.04	Lecture 40 WTO Agreements & Implications - continues	10.30 AM
26.05.04	Lecture 41 Quality and Price Matter International Agencies/Sources to Take Help From	08.00 AM
26.05.04	Lecture 42 IV) Afghanistan Specifics Choice of Business Organization? Important Questions to Consider; Sole or Shared Ownership; Where to Start: Sole Trading, Partnership, Cooperatives, Franchising or Buy-in/Buy-out/BIMBO	10.30 AM
27.05.04	Field Visit	08.00 AM
29.05.04	Lecture 43 Choice of Commodities & Products? <ul style="list-style-type: none"> <li>• Consumer &amp; Industrial Goods</li> <li>• Entrepreneurial Projects: Some Examples</li> </ul>	08.00 AM
29.05.04	Lecture 44 ICARDA's Research on Afghanistan: <ul style="list-style-type: none"> <li>• Rich Potential of Horticulture</li> <li>• Economics &amp; Social Rate of Return on Investments</li> </ul>	10.30 AM
30.05.04	Lecture 45 Processing & Value-Addition	08.00 AM
30.05.04	Lecture 46 What Do Your Own Experience & Expertise Suggest? <ul style="list-style-type: none"> <li>• Your Choice for Daily Consumption Products</li> <li>• Your Choice of Products for Import-Substitution</li> <li>• Your Choice of Products for Export Market</li> </ul>	10.30 AM

**List of Participants**  
**Course No: 0304 Enterprise Development and Management Skills**  
**(May 1<sup>st</sup> through May 30<sup>th</sup>)**

S/No	Name	Father Name	Discipline	Govt. Department/NGOs University	Duty station
1	Obaidullah Akbari	M Akbar	B.Sc. Agriculture	Kabul University Kabul	Faculty of Agri. Kabul University
2	M. Zarif Sharify	Mohammad Sharif	Diploma Agri	Kabul University Kabul	Faculty of Agri. Kabul University
3	Mir Ghulam Raby	MirGhulam Rabani	MS Agriculture	Kabul University Kabul	Faculty of Agri. Kabul University
4	NesarAhmad.Kohistani	Said Ahmad	MS Agriculture	Kabul University Kabul	Faculty of Agri. Kabul University
5	Rahima Noori	Noor Mohd	BSc. Agriculture	Kabul University Kabul	Faculty of Agri. Kabul University
6	Abdul Razaq Raoufi	A. Raouf	12 <sup>th</sup> Grade Agri.	Ministry of Agri. and Animal Husb.	Mini of Agri. Research Dept. Kabul
7	Noor Agha Jamal Yar	Jamalullah	12 <sup>th</sup> Grade Agri.	Ministry of Agri. and Animal Husb.	Mini of Agri. Research Dept. Kabul
8	Said Hussain Mousawi	S. Shahussain	12 <sup>th</sup> Grade Agri.	Ministry of Agri. and Animal Husb.	Mini of Agri. Research Dept. Kabul
9	LalGul Rahmani	Miakhel	12 <sup>th</sup> Grade Agri.	Ministry of Agri. and Animal Husb.	Mini of Agri. Research Dept. Kabul
10	Abdul Khabir Jalali	Abdul Jalil	12 <sup>th</sup> Grade Agri.	Ministry of Agri. and Animal Husb.	Mini of Agri. Research Dept. Kabul
11	NoorAli Noor	Said Amir	B.Sc. Agriculture	Nangarhar University	Faculty of Agri Nangarhar Univ.
12	Rashad Ahmad	Hussain Ahmad	B.Sc. Agriculture	Nangarhar University	Faculty of Agri Nangarhar Univ.
13	Abdul Manon	Khadeem Hussain	B.Sc. Agriculture	Alberuni University	Faculty of Agri Alberuni University
14	Mohammad Yaqub	Mohammad Essa	B.Sc. Agriculture	Alberuni University	Faculty of Agri Alberuni University
15	Mohammad Payind	Mohammad Musa	12 <sup>th</sup> Grade Agri.	Mercy Corps	Kandahar, Kandhar Province
16	Gul Mohammad Khan	Raza Mohammad	12 <sup>th</sup> Grade Agri.	Mercy Corps	Kandahar, Kandhar Province
17	Abdul Khalid Madadi	Abdul Manan	B.Sc. Agriculture	Kabul University Kabul	Faculty of Agri Kabul University
18	M.Sakhi Pameri	Roshan Khan	M.Sc. Agriculture	Kabul University Kabul	Faculty of Agri Kabul University
19	M. Yousoof	Gula Jan	B.Sc. Agriculture	Ministry of Agri. and Animal Husb.	Mini of Agri. Research Dept. Kabul
20	Mohammad Masood	Mohammad Rahim	B.Sc. Agriculture	Kabul University Kabul	Faculty of Agriculture, Kabul Univ.
21	Mohammad Afzal Anwari	Mohammad Anwar	Diploma in IT	Preston University, Peshawar	Student

Faculty of Agri. Kabul University= 8 Faculty of Agri. Nangarhar University = 2 Mercy Corps = 2  
Ministry of Agri = 6 Alberuni University = 2, Other=1  
Total participants for Course No: 0304 = 8+6+2+2+3+1= 21

**COURSE EVALUATION**  
**ENTERPRISE DEVELOPMENT AND MANAGEMENT SKILS-0304**  
**HELD AT FACULTY OF AGRICULTURE, KABUL UNIVERSITY**  
**May 1<sup>st</sup> through May 30<sup>th</sup>, 2004**

Legend: A= Strongly Agree, B= Agree, C=Disagree, D= Strongly Disagree, E= No Opinion  
 No. of Respondents= 16

**COURSE EVALUATION**

No.		A	B	C	D	E
1.	The course was relevant to your professional responsibilities.	10	6	-	-	-
2.	The course improved your knowledge to a great extent.	9	7	-	-	-
3.	Enough time was given for classroom lecture/discussion.	10	3	3	-	-
4.	Enough time was given for field visits.	4	12	-	-	-
5.	Recent developments in research and latest knowledge of the subject were imparted.	5	10	-	-	1
6.	Problems and issues, which you usually encounter during your professional duties, were discussed during the course.	6	9	-	-	1

**TRAINING METHODOLOGY**

1.	Lectures were informative and very helpful in communication of knowledge.	14	2	-	-	-
2.	Group discussions and consultations with instruction provided an excellent opportunity for sharing of experience.	12	4	-	-	-
3.	Field visits provided the chance to see the problems as discussed in the classroom.	7	8	-	1	-
4.	Teaching Methodology was effective.	9	7	-	-	-
5.	Group discussions are more helpful than the lecture.	11	4	1	-	-
6.	Course duration was about right.	2	5	2	7	-

**TRAINERS' PERFORMANCE**

Give response about the trainer of the course through following statements:

1.	He has good knowledge of the subject.	14	2	-	-	-
2.	He presented the subject matter nicely and spoke clearly.	5	10	1	-	-
3.	He has the ability to relate subject matter with solutions of existing problems.	11	5	-	-	-
4.	He answered trainees' questions satisfactorily.	10	5	1	-	-
5.	His overall performance was good.	9	7	-	-	-

Suggestions for further improvement (if any):

- One month of course duration was not sufficient. It should be increased to three months.
- If this course is arranged in Pakistan, it will increase our knowledge further due to practical observations there, all of the participants commented.
- The only female participant in the Enterprise Development Course Ms. Rahima Noori from Faculty of Agriculture, Kabul University commented: “the course was excellent, it provided new information and theories through excellent teaching methods, and now I know very well the way of business and am able to start a small enterprise. I am the only woman participant in this course and dare say that I am as efficient as men. This course in future should be held in Pakistan to see the practical aspects”.
- Teaching methods based on combination of lectures, group discussions and case studies were excellent. The course was the most effective, full of knowledge and we have really benefited from this course.
- Would like to participate in future courses.

**Training Course # 0404**  
**Extension Methodology and Technology Transfer**  
**May 1<sup>st</sup> to May 31<sup>st</sup> 2004**

Instructors:  
 Syed Amirul Hassan Zaidi & Mr. Zakir Ullah

**1<sup>st</sup> Week**

Date	Day	Time	Topic
1-May-04	Saturday	8:00 to 10:00 am	Introductory session
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Basic concepts of extension education
		12:30 to 2:00 pm	Roles and functions of agricultural extension
2-May-04	Sunday	8:00 to 10:00 am	History, Development and future agricultural extension
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Different models/ approaches of extension - I
		12:30 to 2:00 pm	Different models/ approaches of extension - II
3-May-04	Monday	8:00 to 10:00 am	Effective communication and extension - I
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Effective communication and extension - II
		12:30 to 2:00 pm	Preparing reports
4-May-04	Tuesday	8:00 to 10:00 am	Adult education - I
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Adult education - II
		12:30 to 2:00 pm	Methods of influencing human behavior
5-May-04	Wednesday	8:00 to 10:00 am	Problems faced to agricultural extension organizations and workers
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Diffusion and adoption process
		12:30 to 2:00 pm	Using indigenous knowledge in agricultural development
6-May-04	Thursday	8:00 to 10:00 am	Increasing farm production
		10:00 to 10:30 am	Tea Break
		10:30 to 2:00 pm	Review of the course
7-May-04	Friday		Weekly holiday

## 2<sup>nd</sup> Week

8-May-04	Saturday	8:00 to 10:00 am	Need assessment
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Planning extension programs
		12:30 to 2:00 pm	Monitoring and evaluation of extension programs
9-May-04	Sunday	8:00 to 10:00 am	Participatory approach in extension
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Participatory rapid appraisal
		12:30 to 2:00 pm	Social participation methods
10-May-04	Monday	8:00 to 10:00 am	Extension methods I- Individual contacts
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Extension methods II- Group contacts
		12:30 to 2:00 pm	Extension methods III- Mass contacts
11-May-04	Tuesday	8:00 to 10:00 am	Field days and demonstrations
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Strategic extension campaigns
		12:30 to 2:00 pm	---do---
12-May-04	Wednesday	8:00 to 10:00 am	Market led extension messages
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Extension training materials - I
		12:30 to 2:00 pm	Extension training materials - II
13-May-04	Thursday	8:00 to 10:00 am	Extension mandate
		10:00 to 10:30 am	Tea Break
		10:30 to 2:00 pm	Review of the course
14-May-04	Friday		Local weekly holiday



### 3<sup>rd</sup> Week

15-May-04	Saturday	8:00 to 10:00 am	Constraints in transfer of technology
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Job description/ duties of extension workers
		12:30 to 2:00 pm	Extension policy formulation
16-May-04	Sunday	8:00 to 10:00 am	Improving organization and management of agricultural extension
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Managing human resources within extension
		12:30 to 2:00 pm	Training and professional development
17-May-04	Monday	8:00 to 10:00 am	Leadership styles in extension
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Appropriate programs for adult farmers (Women and Youth)
		12:30 to 2:00 pm	Appropriate programs for adult farmers (Women and Youth)
18-May-04	Tuesday	8:00 to 10:00 am	Strengthening research-extension-farmer linkages
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Strengthening research-extension-farmer linkages
		12:30 to 2:00 pm	Criteria for extension supervision
19-May-04	Wednesday	8:00 to 10:00 am	Rural sociology and extension
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Social and cultural factors in extension
		12:30 to 2:00 pm	---do---
20-May-04	Thursday	8:00 to 10:00 am	Problem solving
		10:00 to 10:30 am	Tea Break
		10:30 to 2:00 pm	Review of the course
21-May-04	Friday		Local weekly holiday

#### 4<sup>th</sup> Week

22-May-04	Saturday	8:00 to 10:00 am	Extension role in sustainable agricultural development
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Extension role in sustainable agricultural development
		12:30 to 2:00 pm	International organizations supporting agricultural extension
23-May-04	Sunday	8:00 to 10:00 am	Establishing and strengthening FOs
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Role of NGO's in extension
		12:30 to 2:00 pm	Agricultural extension at the turn of the Millennium: Trends and challenges
24-May-04	Monday	8:00 to 10:00 am	Practical exercises in extension methods, report writing, communication, conducting trainings, case studies, project preparation
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Practical exercises in extension methods, report writing, communication, conducting trainings, case studies, project preparation
		12:30 to 2:00 pm	---do---
25-May-04	Tuesday	8:00 to 10:00 am	---do---
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Practical exercises in extension methods, report writing, communication, conducting trainings, case studies, project preparation
		12:30 to 2:00 pm	---do---
26-May-04	Wednesday	8:00 to 10:00 am	---do---
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Practical exercises in extension methods, report writing, communication, conducting trainings, case studies, project preparation
		12:30 to 2:00 pm	---do---
27-May-04	Thursday	8:00 to 10:00 am	---do---
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Practical exercises in extension methods, report writing, communication, conducting trainings, case studies, project preparation
		12:30 to 2:00 pm	---do---
28-May-04	Friday		Weekly holiday

### 5<sup>th</sup> Week

29-May-04	Saturday	8:00 to 10:00 am	Practical exercises in extension methods, report writing, communication, conducting trainings, case studies, project preparation
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Practical exercises in extension methods, report writing, communication, conducting trainings, case studies, project preparation
		12:30 to 2:00 pm	---do---
30-May-04	Sunday	8:00 to 10:00 am	---do---
		10:00 to 10:30 am	Tea Break
		10:30 to 12:30 pm	Practical exercises in extension methods, report writing, communication, conducting trainings, case studies, project preparation
		12:30 to 2:00 pm	---do---
31-May-04	Monday	8:00 AM	Concluding

**List of Participants**  
**Course No. 0404 Extension Methodology and Technology Transfer**

S/No	Name	Father Name	Discipline	Govt. Department/NGOs/ University	Duty Station
1	Abdullah Azghari	Gul Ali	B.Sc. Agri. Faculty Kabul Uni.	Ministry of Agriculture	Wardag Province
2	Said Jafar Sultani	S.Shahinsha	B.Sc. Tashkand. Agri Uni.	Ministry of Agriculture	Ghzni Province
3	A.Qadeem Safi	A.Moqeen	B.Sc. Agri. Faculty Nangarhar University	Ministry of Agriculture	Laghman Province
4	A. Ghafar Ajiz	A.Majeed	B.Sc. Agri. Faculty Kabul Uni.	Ministry of Agriculture	Kabul
5	Said Abdullah Saim	Said Zekrea	B.Sc. Agri. Moscow Agr Uni.	Ministry of Agriculture	Kunar Province
6	Gul Aqa Rahimi	M. Rasul	B.Sc. Agri. Faculty Kabul Uni.	Ministry of Agriculture	Lugar Province
7	Ghulam Rehman Rahmani	Khalil Rehman	12 <sup>th</sup> Grade	Ministry of Agriculture	Kapisa Province
8	Raz Mohammad Hamraz	Baz Mohammad	12 <sup>th</sup> Grade	Ministry of Agriculture	Parwan Province
9	Seraj Ahmad	Gulmir	12 <sup>th</sup> Grade	Ministry of Agriculture	Panjsheer Province
10	Abdul Farid	M. Rasoul	12 <sup>th</sup> Grade	Ministry of Agriculture	Juzjan Province
11	Dr Mir Aqa	Sayed Baba	Ph.D. Agri. Oklahoma Uni. USA	University of Kabul	Agri. Faculty Kabul Uni
12	Mohammad Nawab Amin	Abdullah	M.Sc. Agri Germany	University of Kabul	Agri. Faculty Kabul Uni
13	Spian Jan	Ali Asghar	B.Sc. Agriculture	University of Kabul	Agri. Faculty Kabul Uni
14	Mohammad Bashir Dodiya	Ali Mohammad	B.Sc. Agriculture	University of Nangarhar	Agri. Faculty Ning Uni
15	Habib-Rahim	Gul Ahmad Jan	B.Sc. Agriculture	University of Nangarhar	Agri. Faculty Ning Uni
16	Ajab Khan Zarghoon	Gul Jan	B.Sc. Agriculture	Mercy Corps	Kandahar Province
17	Dr. M Naeem Sharif	Mohd Sharif	Ph.D. Agriculture	Aberoni University	Agri. Faculty Alberoni Uni
18	Abdul Ghafoor	Mohd Rasool	B.Sc. Agriculture	Aberoni University	Agri. Faculty Alberoni Uni
19	M Haroon Nikzad	Gul Mohd	12 <sup>th</sup> Grade	Ministry of Agriculture	Min. of Agri. Ext. Dept. Kabul
20	Mohammad Aqil Rustam	Gul Sakhi	12 <sup>th</sup> Grade	Ministry of Agriculture	Min. of Agri. Res. Kabul
21	M. Azim Habib Siddiqi	Tahire	12 <sup>th</sup> Grade	Ministry of Agriculture	Min. of Agri. Ext. Kabul
22	Abdul Basir	Abdul Ghani	B.Sc. Agriculture	Mercy Corps	Kandahar, Kandhar Province

Ministry of Agriculture = 13      Nangarhar University = 2      Alberoni University = 2  
Agriculture faculty Kabul University = 3      Mercy Crops office = 2, Total: 22

**COURSE EVALUATION**  
**EXTENSION METHODOLOGY AND TECHNOLOGY TRANSFER-0404**  
**HELD AT FACULTY OF AGRICULTURE, KABUL UNIVERSITY**  
**May 1<sup>st</sup> through May 30<sup>th</sup>, 2004**

Legend: A= Strongly Agree, B= Agree, C=Disagree, D= Strongly Disagree, E= No Opinion

No. of Respondents= 20

**COURSE EVALUATION**

No.		A	B	C	D	E
1.	The course was relevant to your professional responsibilities.	16	4	-	-	-
2.	The course improved your knowledge to a great extent.	9	11	-	-	-
3.	Enough time was given for classroom lecture/discussion.	7	10	3	-	-
4.	Enough time was given for field visits.	4	13	2	-	1
5.	Recent developments in research and latest knowledge of the subject was imparted.	8	11	1	-	-
6.	Problems and issues which you usually encounter during your professional duties were discussed during the course.	9	9	2	-	-

**TRAINING METHODOLOGY**

1.	Lectures were informative and very helpful in communication of knowledge.	10	10	-	-	-
2.	Group discussions and consultations with instruction provided an excellent opportunity for sharing of experience.	15	4	1	-	-
3.	Field visits provided the chance to see the problems as discussed in the classroom.	6	13	1	-	-
4.	Teaching Methodology was effective.	9	10	-	-	1
5.	Group discussions are more helpful than the lecture.	8	11	1	-	-
6.	Course duration was about right.	1	15	4	1	-

**TRAINERS' PERFORMANCE**

Give response about the trainer of the course through following statements:

1.	He has good knowledge of the subject.	16	4	-	-	-
2.	He presented the subject matter nicely and spoke clearly.	10	9	1	-	-
3.	He has the ability to relate subject matter with solutions of existing problems.	14	4	1	-	1
4.	He answered trainees' questions satisfactorily.	14	6	-	-	-
5.	His overall performance was good.	14	6	-	-	-

Suggestions for further improvement (if any):

- The course was very useful and effective. In future, for such type of course, the time period should be increased to two to three months.
- The course should be repeated and hours of training should be decreased.
- Text of transparency was not clear due to lack of screen.
- Teaching material should be provided in local languages instead of English.
- There was not much practical work and this should be increased in future courses.
- The course should be delivered in local languages.

**Training Course Schedule of Animal Nutrition for Afghan Trainees June 14, 2004 to July 12, 2004 at the Animal Nutrition Department, NWFP-Agricultural University, Peshawar**

***Week-1 (June 14 to June 19, 2004)***

<b>Date</b>	<b>Day</b>	<b>8.00 – 10.00 am</b>	<b>10.00 to 10.30 am</b>	<b>10.30 am – 12.30 pm</b>	<b>12.30 – 2.30 pm</b>
14.06.04	Monday	Introduction of the trainees and overview of the training program. (Dr. G.Habib)	Tea Break	Introduction to the subject and basic terms used in Animal Nutrition (Dr. G. Habib)	Nutrients, classification and their functions (Dr. S. Basit Ali Shah)
15.06.04	Tuesday	Feed Resources, classification and utilization (Dr. G.Habib)	Tea Break	Feed Resources, classification and utilization Slide show. (Dr. G.Habib)	Laboratory and Farm visit for identification of feedstuffs. (Dr. Nazir & Salim)
16.06.04	Wednesday	Fodder cultivation and improved production technologies (Dr. Mir Hatam)	Tea Break	Importance of quality of forages (Dr. M. Akmal)	Fodder Conservation and its importance (Dr. Altaf)
17.06.04	Thursday	Crop residues, their quality and methods to improve feed value (Dr. G. Habib)	Tea Break	Crop residues, their quality and methods to improve feed value (Dr. G. Habib)	Preparation of silage (Dr. Ihsan & Hameed)
18.06.04	Friday	Structure and Functions of upper parts of Gastro-intestinal Tract. (Dr. Mohsin)	Tea Break	Structure and Functions of lower parts of Gastro-intestinal Tract. (Dr. Mohsin)	Collection of representative sample & storage and processing for laboratory analysis (Dr. Nazir)
19.06.04	Saturday	Nutritional Problems related to the Gastro-Intestinal Tract (Dr. G.Habib)	Tea Break	Common methods of Feed analysis-Theoretical background (Dr. Mohsin)	Laboratory work-Feed analysis; Dry matter & Ash. (Dr. Nazir & Salim)

**Week-2 (June 21 to June 26, 2004)**

<b>Date</b>	<b>Day</b>	<b>8.00 – 10.00 am</b>	<b>10.00 to 10.30 am</b>	<b>10.30 am – 12.30 pm</b>	<b>12.30 – 2.30 pm</b>
21.06.04	Monday	Nutrient requirements of different classes of domestic animals (Dr. Altaf)	Tea Break	Urea treatment of wheat straw-Farm visit (Dr. G.Habib & Shukat)	
22.06.04	Tuesday	Use of feed composition and standard requirement tables in formulating rations (Dr. Altaf)	Tea Break	Chemical Analysis of Feed stuffs –Laboratory work (Dr. Nazir & Hameed)	
23.06.04	Wednesday	Ration Formulation (Dr. Altaf & Shukat)	Tea Break	Chemical Analysis of Feed stuffs –Laboratory work (Dr. Nazir & Salim)	
24.06.04	Thursday	Feed supplementation (Dr. G. Habib)	Tea Break	Slide Show on preparation and feeding of multinutrient feed blocks. (Dr. G. Habib)	
25.06.04	Friday	Urea Feeding to animals (Dr. G. Habib)	Tea Break	Preparation of multinutrient feed blocks (Dr. G. Habib & Dr. Mohsin)	
26.06.04	Saturday	Visit to LS Farm Surezai (Habib and Ghufuranullah)			

**Week-3 (June 28 to July 3, 2004)**

<b>Date</b>	<b>Day</b>	<b>8.00 – 10.00 am</b>	<b>10.00 to 10.30 am</b>	<b>10.30 am – 12.30 pm</b>	<b>12.30 – 2.30 pm</b>
28.06.04	Monday	Feeding and care of pregnant animals (Dr. Mohsin)	Tea Break	Feeding and care of Calves (Dr. G. Habib)	Farm visit for feeding management of calves (Dr. Mohsin & Ihsan)
29.06.04	Tuesday	Feeding & care of calves –slide show (Dr. G.Habib)	Tea Break	Feeding of milking cows at different phases of lactation. (Dr. G. Habib)	
30.06.04	Wednesday	Visit to LS Farm Harichand (Dr. Mohsin / Dr. G. Habib)			
1.07.04	Thursday	Mineral Nutrition (Dr. Nazir)	Tea Break	Mineral Nutrition (Dr. Nazir)	Local sources of minerals, their composition and feeding allowance. (Dr. G. Habib)
2.07.04	Friday	Feeding & Management of sheep and goats (Dr. Mashooq Ali)	Tea Break	Range management & utilization (Dr. G. Habib)	Antinutritional factors in feeds. (Dr. Altaf)
3.07.04	Saturday	Visit to Jaba Sheep and Goat Farm, Mansehra (Dr. G. Habib)			



**Week-4 (July 5 to July 10, 2004)**

<b>Date</b>	<b>Day</b>	<b>8.00 – 10.00 am</b>	<b>10.00 to 10.30 am</b>	<b>10.30 am – 12.30 pm</b>	<b>12.30 – 2.30 pm</b>
5.07.04	Monday	Metabolic diseases in farm animals (Dr. G. Habib)	Tea Break	Metabolic diseases in farm animals (Dr. G. Habib)	Assessment of urea treated straw and feeding demonstration – Farm Visit (Dr. G. Habib & Shukat)
6.07.04	Tuesday	Health problems associated with nutrient deficiency (Dr. Mohsin)	Tea Break	Health problems associated with nutrient deficiency (Dr. Mohsin)	Visit to Univ. Dairy Farm for feeding management practical (Dr. Ihsan)
7.07.04	Wednesday	Tree foliage as fodder source – Importance & multiplication (Dr. G.Habib)	Tea Break	Nutritional Management for improving fertility in dairy animals (Dr. Subhan)	Practical demonstration of urea feeding to animals (G.Habib & Hameed)
8.07.04	Thursday	Feeding of layer birds (Dr. Fazli-Raziq)	Tea Break	Feeding of broiler birds (Dr. Mian Mushtaq)	Opening of the silo, quality assessment of the silage and feeding to animals-Farm visit (Dr. Altaf & Dr. Ihsan)
9.07.04	Friday	Visit to AHITI (Dr. G. Habib)			
10.07.04	Saturday	Review of lessons taught, general discussion relating livestock management and nutrition and course evaluation (Dr. G. Habib)			
12.07.04	Monday	Closing ceremony and certificate distribution			

Prof. Ghulam Habib  
Course Coordinator

**List of Participants**  
**Course No: 0904 Animal Nutrition**  
**(June 14 through July 12, 2004)**

S/No	Name	Father Name	Date of Birth	Age in year	Discipline	Govt. Department/NGOs/Universities	Duty station
1	Wazir Mohammad	Amir Mohammad	1955	49	B.Sc. Agriculture	Min of Agri & Ani Husb	Kapesa Province
2	Abdul Hamid	Abdul Razeq	1974	30	12 <sup>th</sup> Grade Agri	Min of Agri & Ani Husb	Parwan Province
3	Abdul Ghayas	Abdulbaqi	1976	28	B.Sc. Agriculture	Min of Agri & Ani Husb	Kabul Province
4	Mohammad Shafiq	Mohammad Sasil	1972	32	B.Sc. Agriculture	Min of Agri & Ani Husb	Ghazni Province
5	Noor khan	Maja Khan	1971	33	B.Sc. Agriculture	Min of Agri & Ani Husb	Kanduz Province
6	Abdulghafoor	Mohammad Morad	1974	30	B.Sc. Agriculture	Min of Agri & Ani Husb	Balkh Province
7	Mohammad Anwar	Mirzamohammad	1968	56	B.Sc. Agriculture	Min of Agri & Ani Husb	Baghlan Province
8	Mehtabuddin	Mehrabuddin	1977	27	Depl Agriculture	Min of Agri & Ani Husb	Kabul Province
9	Atta Mohammad	Faqir Mohammad	1955	49	M.Sc. Agriculture	Min of Agri & Ani Husb	Kabul Province
10	Hazrat Noor	Mohammad Noor	1953	51	B.Sc. Agriculture	Min of Agri & Ani Husb	Ningarhar Province
11	Abdul Shakoor	Abdul Majeed	1949	55	B.Sc. Ani. Husb	Min of Agri & Ani Husb	Kabul Province
12	Mohammad Farid	A. Kareem	1975	29	B.Sc. Vet Science	Min of Agri & Ani Husb	Kabul Province
13	Allauddin Mostamand	Shamsuddin	1958	46	B.Sc. Agriculture	Fac of Agri Kand Uni	Kandahar University
14	S. Mohammad Kabir	S.M. Azim	1964	40	B.Sc. Agriculture	Fac of Agri Kand Uni	Kandahar University
15	M Hassan Rashaq	M. Seddique	1951	53	B.Sc. Agriculture	Fac of Agri Kabul Uni	Kabul University
16	Mohammad Amin	Baba Gelday	1957	47	B.Sc. Agriculture	Fac of Agri Kabul Uni	Kabul University
17	M. Yusuf Wazeri	Mirsalam Khan	1948	56	B.Sc. Agriculture	Fac of Agri Ning Uni	Ningarhar University
18	M. Shifa Tasal	Raza khan	1982	22	B.Sc. Agriculture	Fac of Agri Ning Uni	Ningarhar University
19	Mohammad Daud	Pighamber Gul	1981	23	B.Sc. Agriculture	Fac of Agri Balkh Uni	Balkh University
20	M N Sharif	M Sharif	1957	47	Ph.D. Agriculture	Facu of Agri Aberoni Uni	Parwan Province

Faculty of Agri Kabul University= 2 Faculty of Agri Ningarhar University = 2 Balkh University=1  
Ministry of Agriculture and Animal Husbandry = 12 Faculty of Agri kandahar =2 Aberoni University = 1  
Total participants for Course No: 0904= 2+2+1+12+2+1= 20

**COURSE SCHEDULE**  
**INTEGRATED PEST MANAGEMENT**  
**USAID/IALC/UNIVERSITY OF ILLINOIS AT URBANA CHAMPAIGN**  
**June 14<sup>th</sup> through July 12<sup>th</sup>, 2004**

**Week 1 (June 14, 2004)**

Date	Day	Time (8.00-10)	10-10.30	10.30-12.15	12.15-14.00
14/06	Monday	Introduction of the participants and Introduction to the Course <i>Dr. Farman</i>	Tea Break	The concept and status of Pest(s). <i>Shahid Sattar</i>	Insect pests and their natural damages <i>Sajjad Ahmad</i>
15/06	Tuesday	Introduction to Integrated Pest Management <i>Dr. S.K .Khalil</i>		Components /Tools of IPM. <i>Dr. S.K Khalil</i>	Why Plant Protection is Needed <i>Irfanullah</i>
16/06	Wednesday	Ecological basis of Plant Protection <i>Dr. M. Naeem</i>		Classification of Insecticides: Organo-chlorines, OP, Carbamates <i>Dr. Farman</i>	
17/06	Thursday	Mode of action of Insecticides <i>Shahid Sattar</i>		Classification of Insecticides: Plant derivatives and others <i>Dr. Farman</i>	Novel Insecticides <i>Dr. Farman</i>
18/06	Friday	Responsible / Rational Uses of Pesticides <i>Dr. Farman</i>		Spray calibration and Pesticide Application. <i>Anwar Khan</i>	Economic aspects of IPM <i>Irfanullah</i>
19/06	Saturday	<b>Visit to CCRI Pirsabaq:</b> Major insect pests of maize/sorghum <i>Mian Liaqat Ullah</i>	Breeding of Open Pollinated Varieties vs. Hybrid Maize <i>Dr. Kiramat</i>	Maize production Technologies <i>Dr. Tariq Jan</i>	

**Week 2 (June 21, 2004)**

Date	Day	Time (8.00-10)	10-10.30	10.30-12.15	12.15-14.00
21/06	Monday	The role of biological control in IPM. <i>AR Dr. Saljoqi</i>	Tea Break	Prospects and Avenues of biological control <i>Dr. Main Inayat Ullah</i>	Steps in biological control <i>Dr. Saljoqi</i>
22/06	Tuesday	Role of Predatory mites in IPM of Fruit Orchards <i>Dr. Imtiaz Ali Khan</i>		Mites: Their management through biological control agents ( <b>LBB</b> ) <i>Dr. Inamullah</i>	Trichogramma lab. Setting and field application. <i>Dr. Abid Farid / Saljoqi</i>
23/06	Wednesday	Host Plant Resistance (HPR) and the IPM. <i>Dr. Farman</i>		Modalities of host plant resistance (Antibiosis, Antixinosis & Tolerance) <i>Dr. Farman / Shahid</i>	
24/06	Thursday	Techniques Used to Measure Plant Resistance to Insects. <i>Dr. Farman / Irfan</i>		Location of Sources of Plant Resistance to Insects (National / International Collaboration). <i>Shahid/ Farman</i>	
25/06	Friday	Factors Affecting the Expression of Plant Resistance to Insects <i>Shahid</i>		Insect biotypes and theories of biotypes formation /development. <i>Dr. Farman</i>	<b><i>Visit to Plant Quarantine:</i></b> Past, Present, and Future of Plant Quarantine. <i>Manzoor A Mashwani</i>
					<b><i>Departure for Swat</i></b>
26/06	Saturday	<b><i>Visit to Mingora Swat:</i></b> Field visit to Swat for Peach / Other Orchards. <i>Fazle Mula/ Farman</i>		IPM of Peaches <i>Dr. Farman</i>	Integrated Disease Management <i>Abdure Rafi</i>

**Week 3 (June 14, 2004)**

Date	Day	Time (8.00-10)	10-10.30	10.30-12.15	12.15-14.00
28/06	Monday	Introduction to the fruit fly fauna of NWFP (Pakistan) <i>Dr. Nawab Khan Marwat</i>	Tea Break	Fruit fly Management with special reference to the Chemical control <i>Dr. Sajjad Ahmad</i>	Fruit-flytraps Preparation Installation, and replenishment <i>Farman</i>
29/06	Tuesday	Biology and Ecology of Various Species of Fruit flies <i>Dr. Saljoqi</i>		Economics and Cost benefit Fruit flies management <i>Irfan / Shahid</i>	Field trip to Malakandher Farm (Fruit flies collection): <i>Shahid/ Irfan</i>
30/06	Wednesday	The use of biotechnology in breeding for resistance <i>Dr. Zahoor Ahmad Swati</i>	<b>Visit to ARI -Turnab</b>		
			IPM of Vegetables <i>Dr. Ghulam Shabir Shah</i>	Oil Seed Crops Production <i>Dr. Zar Qurash</i>	
01/07	Thursday	Visit to NIFA: Briefing about NIFA	The Role of Nuclear technologies in IPM <i>Dr. Sanaullah</i>	Termites and NIFA-TARMAP <i>Dr. Saleha</i>	
02/07	Friday	<b>Visit to Kohat:</b> Integrated Crop Management of Guava orchards. <i>Dr. Farman / Dr. Saljoqi / Dr. Inam / Shahid /Irfan</i>			
03/07	Saturday	Grain Storage Management <i>Dr. Said Khan Khalil</i>		Insect Pests of Grain Storage <i>Dr. Saljoqi</i>	Vertebrate pest management in stored-grain: <b>Birds.</b> <i>Anwar Khan</i>

**Week 4 (June 14, 2004)**

Date	Day	Time (8.00-10)	10-10.30	10.30-12.15	12.15-14.00
05/07	Monday	Inspection of Storage building and commodities <i>Dr. S.K. Khalil</i>		Vertebrate pest Management in stored grain: <b>Rodents.</b> <i>Anwar Khan</i>	Fumigation procedures and techniques. <i>Dr. Farman / Sajjad</i>
06/07	Tuesday	<b>Visit to Grain Storage Facilities</b> at Kohat Road Peshawar or Azakhel Practical work on Grain Storage Management <i>Dr. Inam / Dr. Saljoqi</i>			
07/07	Wednesday	<b>Visit to CABI Bio-Science at Islamabad</b> Briefing about the activities of the CABI-Bio Science <i>Dr. Ashraf Poswal</i> The role of FFS and TOT in IPM / ICM <i>Mr. Fazle Hamid</i>			
08/07	Thursday	Top Ten Insect pests of Afghanistan (These will be identified in the beginning of the training course) <i>Dr. Saljoqi / Dr. Inam / Shahid / Irfan</i>			
09/07	Friday	The role of microbial control in IPM <i>Dr. S.K Khalil</i>		Weeds, weedicides and Plant Protection. <i>Dr. Khan Bahadar Marwat</i>	IPM web sites and working Groups <i>Dr. Farman</i>
10/07	Saturday	Integrated Nursery and Orchard Management <i>Dr. Noorul Amin</i>		Evaluation / Test <i>Dr. Farman</i>	Feedback and Discussion <i>Dr. Farman</i>

**List of Participants**  
**Course No. 0604 Integrated Pest Management**  
**(June 14 through July 12, 2004)**

S/No	Name	Father Name	Date of Birth	Age in Year	Discipline	Govt. Department/ NGOs/ University	Duty Station
1	Abdul Salam	Sayed Jan	1952	52	12 <sup>th</sup> grade Agriculture	Mini of Agri & Ani Hus	Takhar province
2	Mohammad Zia	Faiz Mohammad	1963	41	12 <sup>th</sup> grade Agriculture	Mini of Agri & Ani Hus	Takhar province
3	Barkatullah	Saheb	1953	51	12 <sup>th</sup> grade Agriculture	Mini of Agri & Ani Hus	Kanduz province
4	Merajuddin	Sayedam	1958	46	12 <sup>th</sup> grade Agriculture	Mini of Agri & Ani Hus	Kanduz province
5	Mohammad Yousouf	khudaidad	1961	43	12 <sup>th</sup> grade Agriculture	Mini of Agri & Ani Hus	Heart province
6	Abdul Ali	Hajishiren	1974	30	B.Sc. Agri Kabul Uni	Mini of Agri & Ani Hus	Heart province
7	Mohammad Nabi	Ghulam Ali	1967	37	B.Sc. Agri Kabul Uni	Mini of Agri & Ani Hus	Mazar province
8	Manawarshah	Mir Ahmad Shah	1961	43	B.Sc. Agri Kabul Uni	Mini of Agri & Ani Hus	Mazar province
9	Nazeer Gul	Allah Nazar	1968	36	B.Sc. Agri Kabul Uni	Mini of Agri & Ani Hus	Kabul province
10	Abdulwali	Abdulwasy	1980	24	B.Sc. Agri Ning Uni	Mini of Agri & Ani Hus	Kabul province
11	Shah Mahmmod Bari	Wali Mohammad	1962	44	B.Sc. Agri Kabul Uni	Facu of Agri Kand Uni	Kand Province
12	Faizu Rahman Ibrahim	Noor Mohammad	1974	30	B.Sc. Agri Ning Uni	Facu of Agri Kand Uni	Kand Province
13	Abdul Khalid Madadi	Abdulmanan	1976	28	B.Sc. Agri Kabul Uni	Facu of Agri Kabul Uni	KabUni Kabul
14	Noor Ahmad Popal		1975	29	B.Sc. Agri Kabul Uni	Facu of Agri Kabul Uni	Kab Uni Kabul
15	Mohsenha Falla	Baten Shah	1965	39	B.Sc. Agri Kabul Uni	Facu of Agri Ning Uni	Ning University
16	Mohammad Rahim	Safar Mohammad	1972	32	B.Sc. Agri Ning Uni	Facu of Agri Ning Uni	Ning University
17	Abdul Sami	M Anwar	1964	40	B.Sc. Agriculture	Facu of Agri Balkh Uni	Balkh University
18	Mohammad Yousuf	M Sharif	1967	37	B.Sc. Agriculture	Facu of Agri Balkh Uni	Balkh University
19	Walayat Khan Walayati	Dad Mohammad	1976	28	B.Sc. Agri Kabul Uni	Mini of Agri & Ani Hus	Kabul province
20	Fazal Rab	Aria	1961	43	Diploma in Agri	Facu of Agri Alber Uni	Parwan province

Ministry of Agriculture and Animal Husbandry= 11 Agri Faculty Ningarhar University = 2  
 Agri Faculty Kabul University = 2 Agri Faculty Kandahar University = 2 Agri Faculty Balkh University = 2  
 Agri Faculty Alberoni University =1  
Total participants for the Course No: 0604 = 11+2+2+2+2+1= 20

## ANNOUNCEMENT NO. 0804

### COURSE TITLE: POST-HARVEST MANAGEMENT AND MARKETING SKILLS

**WHEN?** July 15<sup>th</sup> through August 14<sup>th</sup>, 2004

**WHERE?** Agricultural Research Institute, Tarnab, Peshawar.

**WHO SHOULD ATTEND:** Agriculture Officers, Marketing Specialists having a minimum of a Bachelor degree in agriculture and social sciences with Agriculture Department, Universities and NGOs.

**DEADLINE FOR NOMINATIONS:** June 25, 2004

#### MAJOR TOPICS:

- ◆ Marketing concepts, marketing functionaries and channels of distribution
- ◆ Different types of wholesale markets, market complexities, market operations and launching of products in these markets.
- ◆ Involvement of market intermediaries, pre and post-harvest contractors and their role in horticulture industry.
- ◆ Post-harvest management (post-harvest techniques, improving fruit grading, handling and storage), post harvest losses, types (quantitative, qualitative, financial etc.) and causes of losses.
- ◆ Identification of major problems in marketing and post-harvest management, which inhibit the growth in horticulture sector.
- ◆ Practical training in improved post-harvest management practices of harvesting, grading and packing in the field.
- ◆ Practical training in the markets to acquaint the participants with the market situation, transaction/auction and market operation.

#### COURSE COORDINATORS

*Professor Dr. Anwar F. Chishti*

*Director, IBMCS*

*NWFP Agricultural University*

*Peshawar*

*Dr. Nasrullah Jan Malik*

*Director, Planning, Agricultural Research System*

*NWFPAU, Peshawar*



## **WHERE TO SEND NOMINATIONS?**

*Nominations consisting of participant's CV be sent to:*

***Mr. M. Agha Jabarkhil***

Assistant Training Coordinator, UIUC

Mercy Corps Office Compound

Qalla-e-Fatullah, District 10, Kabul, Afghanistan

Mobile: 0093 (0) 79402058

Email: eng\_magha@yahoo.com

## **PARTICIPANTS' FEED BACK:**

Nominating agency /organization/ Department must share the above course contents with the potential participant asking him to write one page note by answering the following questions and that this note be attached with his CV. This would allow us to make adjustments in the course contents to make it need oriented.

### **Questions:**

- ◆ What are your expectations of the course you are about to take?
- ◆ Based on course contents outlined above, how do you perceive this will help you in your current situation?
- ◆ What additional objectives or needs would you like the course to address?

## **TRAINING DIRECTOR:**

***Dr. Abdul Qayyum Khan***

Director, University of Illinois at Urbana Champaign Field Office

NWFP Agricultural University

Peshawar, Pakistan

Telephones: 092-091-9216385, Mobile: 0300-954-0143

Email: [aqkhan284@yahoo.com](mailto:aqkhan284@yahoo.com)

**ANNOUNCEMENT NO. 0504**

**COURSE TITLE: PRESERVATION OF FRUITS AND VEGETABLES**

**WHEN:** July 15<sup>th</sup> through August 14th, 2004

**WHERE:** Agricultural Research Institute, Tarnab, Peshawar, PAKISTAN.

**WHO SHOULD ATTEND:** Agriculture Officers, male and female farmers.

**DEADLINE FOR NOMINATIONS:** **June 25th, 2004**

**MAJOR TOPICS:**

- ◆ Methods and procedures for preparation of fruits for drying (apricot, mulberry etc.)
- ◆ Techniques for proper drying of fruits
- ◆ Proper grading and packing of dried fruits
- ◆ Methods of preservation of fruits for jam, syrups and squashes
- ◆ Preparation of pickles from vegetables

**COURSE COORDINATOR**

*Dr. Badshah Wahid*  
*Agricultural Research Institute*  
Tarnab

**WHERE TO SEND NOMINATIONS?**

*Nominations consisting of participant's CV be sent to:*

***Mr. M. Agha Jabarkhil***  
Assistant Training Coordinator, UIUC  
Mercy Corps Office Compound  
Qalla-e-Fatullah, District 10,  
Kabul, Afghanistan  
Mobile: 0093 (0) 79402058  
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**PARTICIPANTS' FEED BACK:**

Nominating agency / organization/Department must share the above course contents with the potential participant asking him to write one page note by answering the following questions and that this note be attached with his CV. This would allow us to make adjustments in the course contents to make it need oriented.

**Questions:**

- ◆ What are your expectations of the course you are about to take?
- ◆ Based on course contents outlined above, how do you perceive this will help you in your current situation?
- ◆ What additional objectives or needs would you like the course to address?

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**ILLINOIS**  
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

A project of  
International Arid Land Consortium  
University of Illinois at Urbana-Champaign  
United States Agency for International development

**AFGHANISTAN HUMAN RESOURCER DEVELOPMENT PROGRAM**

**Field Office : NWFP Agricultural University, Peshawar, Pakistan**

**Telephone : 092-091-9216385, 0300-9540143, Fax: 092-091-9216386**

April 22<sup>nd</sup>, 2004

Professor Mir Hatem  
Dean  
Faculty of Agriculture  
Nangarhar University  
Jalalabad-Afghanistan

Subject: **Nominations for Long-term Master Degree Program**

Dear Professor Hatem:

The International Arid Lands Consortium and University of Illinois at Urbana Champaign (IALC/UIUC) have been implementing, for the last two years, a human resource development program for Afghanistan sponsored by the United States Agency for International Development (USAID), Kabul. Under this program the IALC and the University of Illinois at Urbana Champaign are starting a long term two years Master Degree Program in Agricultural and business related activities at the NWFP Agricultural University, Peshawar. The IALC/UIUC shall cover the two years educational expenses including tuition fees, books, and accommodation at the campus hostel subject to availability plus an award of \$200 per month as living allowance to each nominated participant. The eligibility requirement for admission to Master Program at NWFP Agricultural University is a Bachelor Degree in the respective field of the participant. The nominated participant and Faculty of Agriculture, Nangarhar University shall sign an agreement to the effect that the participant after completion of the Master Degree program shall teach and conduct research at the Faculty of Agriculture of the Nangarhar University for a period of at least 5 years.

I would therefore appreciate it very much if Faculty of Agriculture, Nangarhar University nominates five participants one each in the following disciplines:

1. Plant Protection
2. Horticulture

3. Agronomy
4. Agricultural Economics
5. Animal Husbandry/Extension and other disciplines.

Please forward the CVs of the participants along with photocopies of their educational certificates/degrees and an agreement between the faculty of agriculture and nominated participant by May 30<sup>th</sup>, 2004 to:

Mr. Mohammad Agha Jabarknil  
Assistant Training Coordinator, UIUC  
Mercy Corps Office at House 558, Street,  
Qala Fatullah District 10, Kabul- Afghanistan  
Telephone: 079325682

Thank you.

Sincerely yours,

Dr. Abdul Qayyum Khan  
Director, UIUC Field Office



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April 22<sup>nd</sup>, 2004

Professor Mohammad Yasin Mohsini  
Dean  
Faculty of Agriculture  
Kabul University  
Kabul-Afghanistan

Subject: **Nominations for Long-term Master Degree Program**

Dear Professor Mohsini:

The International Arid Lands Consortium and University of Illinois at Urbana Champaign (IALC/UIUC) have been implementing, for the last two years, a human resource development program for Afghanistan sponsored by the United States Agency for International Development (USAID), Kabul. Under this program the IALC and the University of Illinois at Urbana Champaign are starting a long term two years Master Degree Program in Agricultural and business related activities at the NWFP Agricultural University, Peshawar. The IALC/UIUC shall cover the two years educational expenses including tuition fees, books, and accommodation at the campus hostel subject to availability plus an award of \$200 per month as living allowance to each nominated participant. The eligibility requirement for admission to Master Program at NWFP Agricultural University is a Bachelor Degree in the respective field of the participant. The nominated participant and Faculty of Agriculture, Kabul University shall sign an agreement to the effect that the participant after completion of the Master Degree program shall teach and conduct research at the Faculty of Agriculture of the Kabul University for a period of at least 5 years.

I would therefore appreciate it very much if Faculty of Agriculture, Kabul University nominates five participants one each in the following disciplines:

1. Plant Protection

2. Horticulture
3. Agronomy
4. Agricultural Economics
5. Animal Husbandry/Extension and other disciplines.

Please forward the CVs of the participants along with photocopies of their educational certificates/degrees and an agreement between the faculty of agriculture and nominated participant by May 30<sup>th</sup>, 2004 to:

Mr. Mohammad Agha Jabarknil  
Assistant Training Coordinator, UIUC  
Mercy Corps Office at House 558, Street,  
Qala Fatullah District 10, Kabul- Afghanistan  
Telephone: 079325682

Thank you.

Sincerely yours,

Dr. Abdul Qayyum Khan  
Director, UIUC Field Office

## **LIST OF LONG-TERM DEGREE PARTICIPANTS**

The following participants from the Faculties of Agriculture of Kabul and Nangarhar Universities are being considered for admission in Master Degree Programs in different disciplines at the NWFP Agricultural Universities during Fall 2004:

### **Faculty of Agriculture, Kabul University:**

1. Mohammad Salim- Plant Protection
2. Noor Mohammad- Horticulture
3. Hussain Gul- Agricultural Economics
4. Sakhidad Saleem- Animal Husbandry/Plant Protection
5. Mohammad Masood- Agronomy

### **Faculty of Agriculture, Nangarhar University:**

1. Mir Hatam Niazi- Animal Husbandry
2. Mohammad Bashir Dodial- Agricultural Extension
3. Najamuddin Najam- Plant Protection
4. Saidajan Abdiani- Horticulture
5. Abdul Wahab- Agronom



**List of Twining Research Scientists (Shasham Bagha and Kabul)  
To work for 15 days with the Research Scientists in the Peshawar 12<sup>th</sup> Agriculture Research Farms**

S/No	Name	Father Name	Date/ Birth	Degree/Discipline	Date/ Grad	Name of Research Station	Present duty in :
1	Rahmatullah	Mohammadullah	1957	B.Sc. Agr Fac Kabul Uni	1980	Shasham Bagha Stat	Seed Multiplication-Research
2	M Anwar	Abdurahman	1977	12 <sup>th</sup> grade	2001	Shasham Bagha Stat	Plant Breeding Research
3	M. Ibrahim	Sardarmohammad	1971	B.Sc. Agri Fac Ning Uni	1991	Shasham Bagha Stat	Germ plasma Research
4	M. Nazir	Multan	1977	B.Sc. Agri Fac Ning Uni	2001	Shasham Bagha Stat	P- Protection Research
5	Khan Aziz	Gulrahman	1977	B.Sc. Agri Fac Ning Uni	2002	Shasham Bagha Stat	Soil Science Research
6	BahaderKhan	Qalader	1974	B.Sc. Agri Fac Ning Uni	2002	Shasham Bagha Stat	Soil Science Research
7	Faridullah	Janmohammad	1972	B.Sc. Agri Fac Ning Uni	2000	Shasham Bagha Stat	Plant Breeding Research
8	Fazal Nabi	M Ismail	1959	B.Sc. Agri Fac Ning Uni	1976	Shasham Bagha Stat	Vegetable Imp Research
9	Aminullah	Amanullah	1965	B.Sc. Agri Fac Ning Uni	1989	Shasham Bagha Stat	Wheat Imp (Agronomy)
10	Ahmad Shah	Assad Khan	1974	B.Sc. Agri Fac Kabul Uni	2000	Kabul Research Stat	P- Protection Research
11	Ahmad Shah	AkhtarMohammad	1972	B.Sc. Agri Fac KabulUni	2001	Kabul Research Stat	Wheat Improvement Research
12	M. Mohseen	Ghulam hussain	1960	M.Sc. Agri -Uzbekistan	1989	Kabul Research Stat	Soil- Science- Research
13	M. Yousuof	Gullajan	1969	Depl Agri-Ukrine	1991	Kabul Research Stat	Wheat Improvement Research
14	M. Maroof	M khan	1978	B.Sc. Agri Fac KabulUni	1999	Kabul Research Stat	Wheat Improvement Research
15	Ghiasuddin	Gulbadine	1969	M.Sc. Agri Tajikistan	1995	Kabul Research Stat	Wheat Improvement Research
16	Sayed J-dine	Jalaldine	1975	B.Sc. Agri Fac KabulUni	1998	Kabul Research Stat	Working in Forestry plants
17	Noor Agha	Jamaldine	-----	-----	-----	Kabul Research Stat	
18	Sayed Ali	Mirhyder	1971	B.Sc. Agri Fac KabulUni	1998	Kabul Research Stat	In Orchard Plants Research
19	Ihsanullah	Qasim Ali	1980	B.Sc. Agri Fac KabulUni	2002	Kabul Research Stat	In Orchard Plants Research



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May 09, 2004

## **PRESS RELEASE**

### **UNIVERSITY OF ILLINOIS STARTS SHORT AND LONG-TERM DEGREE TRAINING PROGRAMS FOR AFGHANISTAN**

The University of Illinois at Urbana Champaign (UIUC) of USA, a lead institution of International Arid Lands Consortium (IALC) has launched a human resource development program for Afghanistan. This program has been funded by the United States Agency for International Development (USAID). The goal of the program is to support the sustainable development, management, and restoration of arid and semi-arid lands in Afghanistan; thereby ensuring increased productivity and increased income. To accomplish this goal the project is pursuing four training related objectives: (1) improve efficient use of water and soil resources at the farm and community levels; (2) support human and institutional capacity development, especially in agricultural education, research, extension and water resources management institutions; (3) apply appropriate technology in agriculture and livestock development; and (4) support human capacity development. This program is being implemented by the University of Illinois through its field offices in Pakistan and Afghanistan headed by Dr. Abdul Qayyum Khan, UIUC Director for Pakistan and Afghanistan. The University of Illinois has developed a strategy for human resource development of Afghanistan that focuses on: (1) Organized Short Courses and Workshops; (2) Specialized Individual or Small Group Research Training; and (3) Long-Term Master Degree Programs. The short-term training program of the University of Illinois was started in 2003 and up till now 129 male Afghan professionals and 20 Afghan women have been trained in agricultural technology, women enterprises including poultry raising and management, preservation of fruits and vegetables, cultivation of mushroom, water resources management and enterprise development and management skills. These short courses were held at NWFP Agricultural University, Peshawar, Pakistan and Faculty of Agriculture, Kabul University, Kabul, Afghanistan. The participants represented all provinces of Afghanistan through Ministries of Agriculture and Animal Husbandry, Irrigation, Water Resources and Environment,

Rehabilitation and Rural Development, Universities of Kabul, Nangarhar, Balkh, Kandhar and Alberuni and various NGOs involved in rebuilding Afghanistan including Mercy Corps, IRC, CARE, GOAL, GAA, Madera, AHDDA, COOPI, and ACTED. In order to strengthen the agricultural research linkages between Pakistan and Afghanistan the University of Illinois has developed a novel idea of twinning of research stations in NWFP, Pakistan with the relevant and appropriate research centers in Afghanistan to allow scientists from Afghanistan to work with their counterpart at twelve research stations in NWFP, Pakistan. This twinning approach will also lead to short-term improvement in appropriate agricultural and livestock research and longer-term independent sustainability. To improve the quality of agricultural and livestock education offered at the Universities of Afghanistan, the University of Illinois is starting, from this summer, a Long-Term Master Degree Program for Faculty members of Universities of Afghanistan. Initially ten faculty members from Faculties of Agriculture of the Kabul and Nangarhar Universities will be enrolled in different agricultural and livestock disciplines at the NWFP Agricultural University, Peshawar, Pakistan. During the first semester, special English language and pre-requisite courses shall be arranged for the Afghan participants to build their language and technical skills. The NWFP Agricultural University was developed by the USAID through a consortium of University of Illinois at Urbana Champaign and Southern University of Illinois at Carbondale from 1984 through 1994 with a cost of \$60 million and this University is well equipped with modern facilities, equipment and Ph.D and Master level faculties trained in 35 U.S. Universities under the USAID funded TIPAN Project.

Dr. Abdul Qayyum Khan  
UIUC Director for Afghanistan and Pakistan  
House 558, Street 5, Qala-e-Fatullah District 10  
Kabul, Afghanistan  
Telephones: 0093-79325682, 0093-79402058  
Email: aqkhan46@uiuc.edu  
Email: aqkhan284@yahoo.com