

Afghanistan-Pakistan Activities  
Quarterly Report XIV  
(January – February – March 2006)  
Sustainable Development of Drylands Project  
IALC-UIUC

Activities Completed this Period:

Using the “Activities Planned” section of the previous quarterly report as a point of departure, the following are principal activities that were completed this past quarter:

1. Two more technical short courses were completed during the mid-February to mid-March period. These courses, supported through a blend of Islamabad Mission buy-in funds and core funds, were on the topics of “Animal Nutrition” and “Extension Methodology”. The course outlines, participant lists and summaries of evaluations are attached to this report. As a principal outcome of these courses, the Ministry of Agriculture, Animal Husbandry and Food (MAAHF) now has a group of 40 individuals who are better qualified to serve as Livestock Extension agents and will strengthen Agricultural Extension’s capacity.
2. A useful addition to our series of information pieces, this one titled “Twinning Programs Build Long Term Collaboration between Researchers” was completed this quarter. The latest addition, number five in our series, is attached to this report.
3. The complete set of five information pieces was used on February 28 for a briefing of personnel representing USAID’s Bureau for Asia and the Near East. Those same materials were used on March 1 by UIUC Board Member Burton E. Swanson, to brief the IALC Technical Advisory Committee and the IALC Board of Directors.
4. We continue our progress on building institutional linkages between the NWFP AU and Afghan Universities. The long-planned visit by Kabul University Dean of Agriculture, Mohammad Yasin Mohsini, took place during the February 3 – 10 period. He was accompanied by the Dean of Veterinary Sciences from that university, Dr. Noor Mohammad Ayubi. At this same time, their counterparts from Nangarhar University also visited the NWFP AU. The Nangarhar representatives were: Mohammad Asif Bawary, Dean of Agriculture and Dr. Mohammad Tahir Kakar, Dean of Veterinary Sciences. Contacts made by this group laid the foundation for productive collaboration.
5. Late in this quarter, the final installment of RAMP Job Order #25 funds (in the amount of \$133,538), was transferred to UIUC. These funds will support the ten enrolled M.Sc. students during their final months of study at the NWFP AU. They will complete degrees and return to their faculty positions at Kabul University and Nangarhar University during the second half of calendar year 2006. Each quarter our Field Office Director provides RAMP with a progress report on this group. The latest report is attached.

6. The investment made by USAID-Islamabad, to establish an English Language Resource Center (ELRC) at the NWFP AU, produced tangible results this past quarter. Most of our plans for the ELRC were contingent on input and advice from Richard Boyum, who is the Department of State Regional English Language Officer (RELO). Because Mr. Boyum is based at the U.S. Embassy in New Delhi, India; it became necessary to wait until he could schedule travel to Peshawar. He made that visit February 2 and 3.

Mr. Boyum conducted a one-day training course (February 2) on “English for Academic Purposes” which was attended by representatives of higher education institutions in Peshawar. Our Field Office Director, Dr. Qayyum, attended that course, along with Mohammad Ibrahim Khattak, Chairman of the NWFP AU English Department. Professor Khattak will also serve as ELRC Director. Mr. Boyum spent the following day on campus with Professor Khattak and Dr. Qayyum, helping them make decisions on space allocation and equipment for the Center as well as arrangement and operation of the equipment. A very significant contribution was Mr. Boyum’s assistance with ELRC access to internet based resources and a full complement of on-line instructional programs through “Resources for English Language Teachers”. This service is provided through the Office of English Language Programs, which is a unit within the State Department’s Bureau for Educational and Cultural Affairs. Mr. Boyum is scheduled to visit the NWFP AU again in June 2006, by which time the ELRC will be operational.

7. The NWFP AU’s Office of International Programs and Services (OIPS) is now operational. The OIPS Director, Dr. Anwar F. Chishti, is working out of his present office in the Department of Agricultural Economics but will soon move into renovated space. One of the initial tasks faced by OIPS is development of a document that will describe the university’s resources and capabilities to a regional audience. The information pieces created by our component will become a useful source of content and ideas as this brochure is developed. OIPS is also a result of USAID-Islamabad’s investment through a mission buy-in that was initiated in late 2004.
8. At the request of our project’s CTO, who was responding to a congressional request, we assembled a detailed summary of all training activities completed by our component thus far. This report provided details on: (1) the 403 individuals who have participated in the 21 technical short courses completed since August 2003 and (2) the total of 35 research staff who have participated in small group, specialized training programs conducted in Afghanistan and Pakistan and (3) the ten individuals currently enrolled for M.Sc. degree study and our efforts to expand this portion of our comprehensive training project. This summarizing and reporting has provided a useful benchmark at this stage in our four-year Cooperative Agreement, which will terminate on September 30, 2007.

Activities Planned for the Following Quarter (April – May – June 2006):

1. Late in the past quarter, we were informed that the Ministry of Agriculture, Animal Husbandry and Food (MAAHF) will sponsor ten Extension Department staff (national program leaders and subject matter specialists) for M.Sc. degree study at the NWFP AU. Their advanced degree study will be supported by funds that were generated through

monetization of USDA-donated commodities. A portion of those proceeds has been designated for Capacity Building in Agricultural Extension. During the next quarter we will continue negotiations that should lead to the transfer of approximately \$267,000 from MAAHF to UIUC and subsequently to the Field Office. Although it is an ambitious set of plans, we would like to see these students enroll in August 2006.

2. The Ambassador of Afghanistan, Said Tayeb Jawad, will visit UIUC June 12 and 13. His visit is being arranged by our campus-level Office of International Engagement and Protocol. That office has allocated a two-hour block of the Ambassador's time on June 13 for a roundtable discussion with selected UIUC and SIUC faculty on "University Development and Institution Building". This event is part of a continuing effort to expand our presence and visibility in Afghanistan's higher education community.
3. Establishment and operation of the ELRC and OIPS units at the NWFPAU will be monitored carefully. We expect to have these two activities – as well as all other activities funded through the Islamabad buy-in – completed by the end of FY 06.
4. We will continue the dialogue with Colonel Nancy Stevens, in the event she sees a need for our assistance with agricultural development and agricultural training projects that support the Political-Military Integration efforts she is managing for the Combined Forces Command in Afghanistan. Similarly, we will maintain contact with Agriculture Officer and Education Officer in USAID-Kabul, so they are informed about our ongoing activities and understand that our resources are available to meet their needs.

We continue to learn that development assistance work, by its very nature, makes it difficult to predict and anticipate activities during the weeks and months ahead. Consistent with that, we will address the above tasks as well as any other needs or opportunities that arise during the upcoming quarter.

**List of Participants**  
**Course No. 0406 - Extension Methodology and Technology Transfer**  
**(February 13 through March 15, 2006)**

| No | Name                 | Father Name    | Discipline/Degree                   | Organization     | Duty Station-Province |
|----|----------------------|----------------|-------------------------------------|------------------|-----------------------|
| 1  | Mohammad Rahim       | Shahwali       | B.Sc. Agriculture                   | MAAHF            | Khost                 |
| 2  | Ashabuddin           | M. Akram       | B.Sc. Agriculture                   | MAAHF            | Laghman               |
| 3  | Shiren Mohammad      | Haji Doulat    | B.Sc. Agriculture                   | MAAHF            | Logar                 |
| 4  | M. Ismail Safar      | Abdullah       | 12 <sup>th</sup> grade professional | MAAHF            | Badakhshan            |
| 5  | Wasiullah            | Amin Jan       | B.Sc. Agriculture                   | MAAHF            | Nangarhar             |
| 6  | Besmillah            | Abdul Ghafoor  | B.Sc. Agriculture                   | MAAHF            | Kanduz                |
| 7  | Sayed Hafizullah     | Sayed Azamshah | B.Sc. Agriculture                   | MAAHF            | Konar                 |
| 8  | Samiullah            | Ali Jan        | B.Sc. Agriculture                   | MAAHF            | Kabul                 |
| 9  | Yousuf Ali           | Akbar Ali      | B.Sc. Agriculture                   | MAAHF            | Kabul                 |
| 10 | Fida Mohammad        | Amir Mohammad  | M.Sc. Agriculture                   | MAAHF            | Kabul                 |
| 11 | Dad Mohammad         | Abdul Hameed   | B.Sc. Social Sciences               | MAAHF            | Kabul                 |
| 12 | Shah Mahmood Rasooly | Abdul Salam    | B.Sc. Agriculture                   | MAAHF            | Kabul                 |
| 13 | Mohammad Nabi        | Abdul Rauf     | B.Sc. Agriculture                   | MAAHF            | Kabul                 |
| 14 | Sayed Jalal          | Abdul Kamal    | B.Sc. Agriculture                   | MAAHF            | Kabul                 |
| 15 | Mohammad Tahir       | M. Omar        | B.Sc. Agriculture                   | MAAHF            | Kabul                 |
| 16 | Gul Aqa Amiri        | M. Amir        | B.Sc. Agriculture                   | MAAHF            | Kabul                 |
| 17 | Ghulam Abas Kamil    | M. Nabi        | B.Sc. Agriculture                   | MAAHF            | Kabul                 |
| 18 | Allah Mohammad       | Khair Mohammad | B.Sc. Agriculture                   | MAAHF            | Kabul                 |
| 19 | Hafizullah           | Sultan Ali     | B.Sc. Agriculture                   | MAAHF            | Kabul                 |
| 20 | Sharifullah          |                | B.Sc. Agriculture                   | Khost University | Khost                 |

Note: MAAHF: Ministry of Agriculture, Animal Husbandry and Food

**Course Schedule of Extension Methodology and Technology Transfer for Afghan Trainees  
From February 13 to March 15, 2006 at the NWFP Agricultural University, Peshawar  
Course Coordinator: Dr. Muhammad Akram, Chairman Department of Extension Education and Communication**

| Week 1     |           |  |  |  |
|------------|-----------|--|--|--|
| Date       | Day       | Time   | Topic  | Speaker  |
| 13.02.2006 | Monday    | 08:00 to 10:00a.m.<br>10:00 to 10:30a.m.<br>10:30 to 12:30p.m.<br>12:30 to 02:00p.m.         | Inauguration Session<br>Tea Break<br>Basic Concepts of Agricultural Extension<br>Setup of Agricultural Extension in Pakistan,<br>Afghanistan and USA.  | Syed A. Hassan Zaidi<br><br>Dr. M. Akram<br>S. A. Hassan Zaidi |
| 14.02.2006 | Tuesday   | 08:00 to 10:00a.m.<br><br>10:00 to 10:30a.m.<br>10:30 to 12:30p.m.<br>12:30 to 02:00p.m.     | History, Development and Future of Agricultural<br>Extension<br>Tea Break<br>Different Models and Approaches – I<br>Different Models and Approaches – II   | Dr. M. Akram<br><br>Urooba Pervaiz<br>Urooba Pervaiz           |
| 15.02.2006 | Wednesday | 08:00 to 10:00a.m.<br>10:00 to 10:30a.m.<br>10:30 to 12:30p.m.<br>12:30 to 02:00p.m.         | Roles and Functions of Agricultural Organizations<br>Tea Break<br>Effective Communication in Extension – I<br>Effective Communication in Extension – II  | Dr. M. Akram<br><br>Urooba Pervaiz<br>Dr. M. Akram             |
| 16.02.2006 | Thursday  | 08:00 to 10:00a.m.<br><br>10:00 to 10:30a.m.<br>10:30 to 12:30p.m.<br><br>12:30 to 02:00p.m. | Problems Faced to Agricultural Extension<br>Organization Including Participatory Discussion<br>Tea Break<br>Increasing Farm Production through Effective<br>Extension Campaigns<br>Diffusion and Adoption Process in Transfer of<br>Technology | Dr. M. Akram<br><br>Dr. M. Idrees<br><br>Dr. M. Akram          |
| 17.02.2006 | Friday    | 08:00 to 10:00a.m.<br>10:00 to 10:30a.m.<br>10:30 to 12:00p.m.                               | Adult Education – I<br>Tea Break<br>Adult Education – II   | Dr. M. Idrees<br><br>Dr. M. Idrees                             |
| 18.02.2006 | Saturday  | 08:00 to 10:00a.m.<br><br>10:00 to 10:30a.m.<br>10:30 to 02:00p.m.                           | Economic Contribution of Agricultural Extension to<br>Agriculture and Rural Development<br>Tea Break<br>Field Visit to Agricultural University/ATI/BAI/Water<br>Management   | Dr. M. Akram<br><br>Dr. M. Akram / Dr. Idrees                  |

| Week 2      |           |  |   |  |
|-------------|-----------|--|---|--|
| Date        | Day       | Time   | Topic   | Speaker  |
| 20.02.2006  | Monday    | 08:00 to 10:00a.m.<br>10:00 to 10:30a.m.<br>10:30 to 12:30p.m.<br>12:30 to 02:00p.m. | Extension/Transfer of Technology Constraints<br>Tea Break<br>Improving Organization and Management of Agricultural Extension<br>Job Description/Duties of Extension Agent | Dr. M. Akram<br>Dr. M. Akram<br>Urooba Pervaiz         |
| 21.02.2006  | Tuesday   | 08:00 to 10:00a.m.<br>10:00 to 10:30a.m.<br>10:30 to 12:30p.m.<br>12:30 to 02:00p.m. | Extension Methods – I (Individual Methods)<br>Tea Break<br>Extension Methods – II (Group Contacts)<br>Extension Methods – III (Mass Contact)                              | Dr. M. Akram<br>Urooba Pervaiz<br>Dr. M. Akram         |
| 22.02.2006  | Wednesday | 08:00 to 10:00a.m.<br>10:00 to 10:30a.m.<br>10:30 to 12:30p.m.<br>12:30 to 02:00p.m. | Extension Training Methodology<br>Tea Break<br>Managing Human Resources within Ext. Org<br>Methods of Influential Knowledge in Human Behavior                             | Dr. M. Akram<br>Mr. Naeem Shah<br>S. Amirul H. Zaidi   |
| 23.02.2006. | Thursday  | 08:00 to 10:00a.m.<br>10:00 to 10:30a.m.<br>10:30 to 12:30p.m.<br>12:30 to 02:00p.m. | Planning Extension Programmes<br>Tea Break<br>Need Assessment<br>Monitoring and Evaluation of Ext. Programmes   | Urooba Pervaiz<br>Mr. Naeem Shah<br>Urooba Pervaiz     |
| 24.02.2006  | Friday    | 08:00 to 10:00a.m.<br>10:00 to 10:30a.m.<br>10:30 to 12:00p.m.                       | Training and Professional Dev. Methodology<br>Tea Break<br>Extension Training Methodology and Material  | Dr. M. Akram<br>Dr. M. Akram                           |
| 25.02.2006  | Saturday  | 08:00 to 10:00a.m.<br>10:00 to 10:30a.m.<br>10:30 to 12:30p.m.<br>12:30 to 02:00p.m. | Participatory Approach in Extension<br>Tea Break<br>Participatory Rapid Appraisal<br>Social Participatory Methods including Participatory Discussion and Exercise         | Dr. Nasrullah Jan<br>Dr. Nasrullah Jan<br>Dr. M. Akram |

| Week 3     |           |                    |   |                               |
|------------|-----------|--------------------|---|-------------------------------|
| Date       | Day       | Time               | Topic   | Speaker                       |
| 27.02.2006 | Monday    | 08:00 to 10:00a.m. | Agriculture Policy Formulation / Agricultural Policy in Pakistan / NWFP | Dr. Nasrullah Jan             |
|            |           | 10:00 to 10:30a.m. | Tea Break   |                               |
|            |           | 10:30 to 12:30p.m. | Purpose and Project Planning  | Dr. Nasrullah Jan             |
|            |           | 12:30 to 02:00p.m. | International Organization Supporting Agricultural Extension            | Urooba Pervaiz                |
| 28.02.2006 | Tuesday   | 08:00 to 10:00a.m. | Leadership Styles in Extension.   | Urooba Pervaiz                |
|            |           | 10:00 to 10:30a.m. | Tea Break   |                               |
|            |           | 10:30 to 12:30p.m. | Criteria for Extension Supervision – I                                  | Dr. M. Akram                  |
|            |           | 12:30 to 02:00p.m. | Adult, Farmers, Women and Youth   | Dr. Idrees                    |
| 01.03.2006 | Wednesday | 08:00 to 10:00a.m. | Strengthening Research Extension – Farmers Linkages.                    | Urooba Pervaiz                |
|            |           | 10:00 to 10:30a.m. | Tea Break   |                               |
|            |           | 10:30 to 12:30p.m. | Criteria for Extension Supervision – II.                                | Dr. M. Akram                  |
|            |           | 12:30 to 02:00p.m. | Practical Exercise  | Dr. M. Akram / Urooba Pervaiz |
| 02.03.2006 | Thursday  | 08:00 to 02:00p.m. | Field Visit to ARI Tarnab and CCRI Pirsabak                             | Dr. M. Akram / Dr. Idrees     |
| 03.03.2006 | Friday    | 08:00 to 10:00a.m. | Social and Cultural Factors in Extension                                | Dr. M. Akram                  |
|            |           | 10:00 to 10:30a.m. | Tea Break   |                               |
|            |           | 10:30 to 12:00p.m. | Role of Rural Sociology in Agricultural And Rural Development           | Dr. M. Akram                  |
| 04-03-2006 | Saturday  | 08:00 to 02:00 pm  | Visit to Radio Pakistan/Printing Press                                  | Dr. M. Akram / Dr. Idrees     |

| Week 4 & 5 |           |  |   |   |
|------------|-----------|--|---|---|
| Date       | Day       | Time   | Topic   | Speaker   |
| 06-03-2006 | Monday    | 08:00 to 10:00a.m.<br>10:00 to 10:30a.m.<br>10:30 to 12:30p.m.<br>12:30 to 02:00p.m. | Problem Solving<br>Tea Break<br>Extension Role in Sustainable Agricultural Development<br>Attitude and its Change Process, Using Indigenous Knowledge in Agricultural Development | Dr. M. Akram<br>Mr. Naeem Shah<br>Urooba Pervaiz              |
| 07-03-2006 | Tuesday   | 08:00 to 10:00a.m.<br>10:00 to 10:30a.m.<br>10:30 to 12:30p.m.<br>12:30 to 02:00p.m. | Establishing and Strengthening Farmers' Organizations<br>Tea Break<br>Role of NGOs in Extension<br>Audio Visual Aids in Ext. Education-I  | Dr. M. Akram<br>Dr. M. Akram<br>Mansoor Ahmad                 |
| 08-03-2006 | Wednesday | 08:00 to 10:00a.m.<br>10:00 to 10:30a.m.<br>10:30 to 12:30p.m.<br>12:30 to 02:00p.m. | Agricultural Extension at the turn of Millennium, Trends and Challenges<br>Tea Break<br>Report Writing/Communication Exercise<br>Audio Visual Aids in Extension-II                | S. Amirul Hassan Zaidi<br>Urooba Pervaiz<br>Mr. Mansoor Ahmad |
| 09-03-2006 | Thursday  | 08:00 to 10:00a.m.<br>10:00 to 10:30a.m.<br>10:30 to 12:30p.m.<br>12:30 to 02:00p.m. | Practical Exercise in Extension Methods<br>Tea Break<br>Practical Exercise Extension in Comm/<br>Coordinating Training  | Dr. M. Akram<br>Urooba Pervaiz                                |
| 10-03-2006 | Friday    | 08:00 to 10:00am<br>10:00 to 10:30am<br>10:30 to 12:00pm                             | Agricultural Development Ideas and Special Extension Program Launched in the Country<br>Tea Break<br>Practical Exercise in Audio Visual-I   | Dr. M. Bashir<br>Mr. Mansoor Ahmad                            |
| 11-03-2006 | Saturday  | 08:00 to 02:00pm   | Field Visit to NARC/PARC, Islamabad   | Dr. M. Akra / Dr. Idrees                                      |
| 13-03-2006 | Monday    | 08:00 to 10:00a.m.<br>10:00 to 10:30a.m.<br>10:30 to 02:00p.m.                       | Practical Exercise in Audio Visual-II<br>Tea Break<br>Practical Exercises   | Mr. Mansoor Ahmad<br>Dr. M. Akram/<br>Urooba Pervaiz          |
| 14-03-2006 | Tuesday   | 09:00 to 12:00pm   | Closing Day (Award of Certificates)   |   |



**COURSE EVALUATION**  
**EXTENSION METHODOLOGY AND TECHNOLOGY TRANSFER-0406**

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.  | 17 | 3  | - | - | - |
| 2.  | The course improved your knowledge to a great extent.   | 10 | 10 | - | - | - |
| 3.  | Enough time was given for classroom lecture/discussion.   | 9  | 8  | 2 | 1 | - |
| 4.  | Enough time was given for field visits.   | 5  | 9  | 4 | 2 | - |
| 5.  | Recent developments in research and latest knowledge of the subject was imparted.                                 | 9  | 9  | 2 | - | - |
| 6.  | Problems and issues which you usually encounter during your professional duties were discussed during the course. | 9  | 10 | 1 | - | - |

**TRAINING METHODOLOGY**

|    |   |    |    |   |   |   |
|----|---|----|----|---|---|---|
| 1. | Lectures were informative and very helpful in communication of knowledge.   | 8  | 12 | - | - | - |
| 2. | Group discussions and consultations with instruction provided an excellent opportunity for sharing of experience. | 9  | 9  | 2 | - | - |
| 3. | Field visits provided the chance to see the problems as discussed in the classroom.                               | 5  | 12 | - | 1 | 2 |
| 4. | Teaching Methodology was effective.   | 10 | 10 | - | - | - |
| 5. | Group discussions are more helpful than the lecture.  | 8  | 10 | 1 | - | 1 |
| 6. | Course duration was about right.  | 9  | 6  | 5 | - | - |

**TRAINERS' PERFORMANCE**

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

|    |  |    |    |   |   |   |
|----|--|----|----|---|---|---|
| 1. | He has good knowledge of the subject.  | 13 | 7  | - | - | - |
| 2. | He presented the subject matter nicely and spoke clearly.                        | 8  | 11 | 1 | - | - |
| 3. | He has the ability to relate subject matter with solutions of existing problems. | 7  | 13 | - | - | - |
| 4. | He answered trainees' questions satisfactorily.                                  | 13 | 6  | 1 | - | - |
| 5. | His overall performance was good.  | 10 | 10 | - | - | - |

Suggestions for further improvement (if any):

- The time which was fixed for this course was short. We were over-loaded by teaching. It was three months course and they taught us in one month.
- This course was very effective, useful and full of knowledge, it provided us with practical training and we have benefited from it. The course duration should be increased. We learnt from lectures as well as group discussions. Now we will be able to do our job in a better way. Practical work should be increased.
- Teachers were very good and they behaved us nicely and we are thankful to them.
- The topics of the course should be translated into “Dari” language.
- Did not face any problem during the course.
- Would like to participate in future courses.

**List of Participants**  
**Course No. 0906 - Animal Nutrition**  
**(February 13 through March 15, 2006)**

| No | Name                    | Father Name         | Discipline/Degree      | Organization        | Duty Station-Province |
|----|-------------------------|---------------------|------------------------|---------------------|-----------------------|
| 1  | Noorullah               | Abdullah            | DVM                    | MAAHF               | Takhar                |
| 2  | Nazar Mohammad          | Abdurahman          | M.Sc. Animal Husbandry | MAAHF               | Parwan                |
| 3  | Zabihullah              | Hassan Gul          | B.Sc. Animal Husbandry | MAAHF               | Kanduz                |
| 4  | Khairuddin              | Mohammad Azim       | B.Sc. Animal Husbandry | MAAHF               | Khost                 |
| 5  | Nooruddin               | Tella Mohammad      | M.Sc. Animal Husbandry | MAAHF               | Samangan              |
| 6  | Ahmad Zabeir            | Ghulam Rabani       | B.Sc. Animal Husbandry | MAAHF               | Kabul                 |
| 7  | Abdul Ali               | Mohammad Ali        | B.Sc. Animal Husbandry | MAAHF               | Kabul                 |
| 8  | Bashar                  | Salu Khan           | DVM                    | MAAHF               | Kabul                 |
| 9  | Noor Rahman             | Nazar<br>Mohammad   | DVM                    | MAAHF               | Kabul                 |
| 10 | Mohammad Salim          | Zer Gul             | DVM                    | MAAHF               | Kabul                 |
| 11 | Mohammad Yahya          | Mohammad<br>Rasool  | B.Sc. Animal Husbandry | MAAHF               | Kabul                 |
| 12 | Mohammad Esa<br>Shirzad | Mohammadajan        | B.Sc. Animal Husbandry | MAAHF               | Kabul                 |
| 13 | Mohammad Ismail         | Mohammad<br>Hashim  | B.Sc. Animal Husbandry | MAAHF               | Kabul                 |
| 14 | Mohammad Zia            | Shamsulhaq          | B.Sc. Animal Husbandry | MAAHF               | Kabul                 |
| 15 | M. Halim Ibrahim        | Mohammad<br>Rahim   | M.Sc. Animal Husbandry | MAAHF               | Kabul                 |
| 16 | Aziz Ahmad              | Mohammad Zaki       | B.Sc. Animal Husbandry | MAAHF               | Kabul                 |
| 17 | Shafiq Ahmad            | Baz Mohammad        | DVM                    | MAAHF               | Kabul                 |
| 18 | Mir Mahfooz             | Mir<br>Mohammadshah | B.Sc. Animal Husbandry | MAAHF               | Kabul                 |
| 19 | Khalilullah             | Habibullah          | B.Sc. Animal Husbandry | MAAHF               | Kabul                 |
| 20 | Hayatullah              | Mohammad<br>Aman    | B.Sc. Animal Husbandry | MAAHF               | Kabul                 |
| 21 | Hameedullah             | Abdulwadud          | B.Sc. Animal Husbandry | MAAHF               | Kabul                 |
| 22 | Ajmal                   | Gul Mar khan        | DVM                    | Khost<br>University | Khost                 |

Note: MAAHF: Ministry of Agriculture, Animal Husbandry and Food

**Course Schedule of Animal Nutrition for Afghan Trainee**

**From February 13 to March 15, 2006 at the Animal Nutrition Department, NWFP Agricultural University, Peshawar**

***Week-1 (February 13 to February 18, 2006)***

| <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>  |  |
|-------------|------------|--|--------------------------|--|---|--|
| 13.02.06    | 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)      | Visit to laboratories, departments and University library. (Dr. G. Habib)             |  |
| 14.02.06    | Tuesday    | Nutrients, classification & their functions (Dr. M. Amjad)   | Tea Break                | Comparative digestion in ruminant and monogastrics animals (Upper GIT) Dr. Mohsin        | Feed Resources, classification and utilization (Dr. G. Habib)                         |  |
| 15.02.06    | Wednesday  | Comparative digestion in ruminant and monogastrics animals (Lower GIT) Dr. Mohsin                      | Tea Break                | Fodder cultivation and improved production technologies (Dr. M. Akmal)                   | Laboratory and Farm visit for identification of feedstuffs. (Dr. G. Habib & M. Salim) |  |
| 16.02.06    | Thursday   | Importance of quality of forages (Dr. M. Akmal)  | Tea Break                | Feed Resources, classification and utilization Slide show and group work. (Dr. G. Habib) | Fodder Conservation and its importance (Dr. G. Habib)                                 |  |
| 17.02.06    | Friday     | Visit to AHITI (Dr. G. Habib)  |                          |  |   |  |
| 18.02.06    | Saturday   | Estimation of fodder yield and Preparation of silage at the University Farm (Dr. G. Habib & M. Salim ) |                          |  | Crop residues, their quality and methods to improve feed value (Dr. G. Habib)         |  |

**Week-2 (February 20 to February 25, 2006)**

| <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>  |
|-------------|------------|--|--------------------------|--|---|
| 20.2.06     | Monday     | Feed Evaluation Techniques<br>(Dr. M. Amjad)   | Tea Break                | Protein and energy sources and their utilization in animals (Dr. G. Habib)         | Laboratory work;<br>i. Collection and Processing of samples for chemical analysis.<br>ii. Practical on Dry Matter & Ash analysis. (Dr. G. Habib & M. Salim) |
| 21.2.06     | Tuesday    | Nutrient requirements of different classes of domestic animals. Use of standard tables of NRC/ARC<br>(Dr. Altaf) | Tea Break                | Urea treatment of wheat straw-Farm visit<br>(Dr. G. Habib & M. Salim)              |   |
| 22.2.06     | Wednesday  | Ration Formulation (Dr. Altaf)   | Tea Break                | Chemical Analysis of Feed stuffs –Laboratory work<br>(Dr. G. Habib & M. Salim)     |   |
| 23.2.06     | Thursday   | Range management and utilization<br>(Dr. Abdur Rehman)   | Tea Break                | Chemical Analysis of Feed stuffs –Laboratory work<br>(Dr. G. Habib & M. Salim)     |   |
| 24.2.06     | Friday     | Feed supplementation<br>(Dr. G. Habib)   | Tea Break                | Slide Show on preparation and feeding of multinutrient feed blocks. (Dr. G. Habib) |   |
| 25.2.06     | Saturday   | Visit to LS Farm Surezai (Dr. G. Habib)  |                          |  |   |

**Week-3 (February 27 to March 4, 2006)**

| <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>   |
|-------------|------------|---|--------------------------|---|--|
| 27.2.06     | Monday     | Urea Feeding to animals (Dr. G. Habib)                    | Tea Break                | Preparation of multinutrient feed blocks (Dr. G. Habib & M. Salim)              |  |
| 28.2.06     | Tuesday    | 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. G. Habib & Dr. Ihsan)             |
| 1.3.06      | Wednesday  | Mineral Nutrition (Dr. Nazir Ahmad)                       | Tea Break                | Feeding of milking cows at different phases of lactation. (Dr. G. Habib)        |  |
| 2.3.06      | Thursday   | Mineral and Vitamin Nutrition (Dr. Nazir Ahmad)           | Tea Break                | Antinutritional factors in feeds. (Dr. M. Amjad)                                | Local sources of minerals, their composition and feeding allowance. (Dr. G. Habib) |
| 3.3.06      | Friday     | Feeding & Management of sheep and goats (Dr. Mashooq Ali) | Tea Break                | Estimation of body weight in animals-Practical at the Dairy Farm (Dr. G. Habib) |  |
| 4.3.06      | Saturday   | Visit to LS Farm Harichand ( Dr. G. Habib)                |                          |   |  |

**Week-4&5 (March 6 to March 15, 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>   |
|-------------|------------|---|--------------------------|--|--|
| 6.3.06      | 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) |
| 7.3.06      | Tuesday    | Tree foliage as fodder source – Importance & multiplication (Dr. G. Habib)  | Tea Break                | Nutritional Management for improving fertility in dairy animals (Dr. Subhan) | Visit to Univ. Dairy Farm for feeding management practical ( Dr. Ihsan                 |
| 8.3.06      | Wednesday  | Disorders of GIT associated with faulty feeding & management (Dr. Mohsin)   | Tea Break                | Feeding of horses (Dr. G. Habib)   | Practical demonstration of urea feeding to animals (G. Habib & M. Salim)               |
| 9.3.06      | Thursday   | Feeding & management of broiler birds (Dr. Mashooq Ali)   | Tea Break                | Feeding & management of layer birds (Dr. Fazli-Raziq)                        | Practical on poultry farm management (Dr. Fazli-Raziq)                                 |
| 10.3.06     | Friday     | Visit to Brooks Hospital, Peshawar (Dr. G. Habib)   |                          |  |  |
| 11.3.06     | Saturday   | Environmental aspects of livestock feeding & management ( Dr. G. Habib)   | Tea Break                | Opening of the silo, quality assessment of the silage (Dr. G. Habib)         |  |
| 13.3.06     | Monday     | Visit to Small Ruminant Project, NARC, Islamabad, Lectures on nutrition for wool production and practical on quality assessment of wool ( Dr. Fatehullah Project Director & Dr. G. Habib) |                          |  |  |
| 14.3.06     | Tuesday    | Review of lessons taught, general discussion relating livestock management and nutrition and course evaluation (Dr. G. Habib)   |                          |  |  |
| 15.3.06     | Wednesday  | Closing ceremony and certificate distribution   |                          |  |  |

Prof. Ghulam Habib  
Course Coordinator

**COURSE EVALUATION**  
**ANIMAL NUTRITION-0906**

Legend: A = Strongly Agree, B = Agree, C = Disagree, D = Strongly Disagree, E = No Opinion  
No. of Respondents = 22

**COURSE EVALUATION**

| No. |   | A  | B  | C | D | E |
|-----|---|----|----|---|---|---|
| 1.  | The course was relevant to your professional responsibilities.  | 21 | 1  | - | - | - |
| 2.  | The course improved your knowledge to a great extent.   | 11 | 11 | - | - | - |
| 3.  | Enough time was given for classroom lecture/discussion.   | 7  | 10 | 5 |   | - |
| 4.  | Enough time was given for field visits.   | 6  | 13 | 3 |   | - |
| 5.  | Recent developments in research and latest knowledge of the subject was imparted.                                 | 9  | 13 | - | - | - |
| 6.  | Problems and issues which you usually encounter during your professional duties were discussed during the course. | 14 | 8  | - | - | - |

**TRAINING METHODOLOGY**

|    |   |    |    |   |   |   |
|----|---|----|----|---|---|---|
| 1. | Lectures were informative and very helpful in communication of knowledge.   | 14 | 8  | - | - | - |
| 2. | Group discussions and consultations with instruction provided an excellent opportunity for sharing of experience. | 11 | 11 | - | - | - |
| 3. | Field visits provided the chance to see the problems as discussed in the classroom.                               | 14 | 8  | - | - | - |
| 4. | Teaching Methodology was effective.   | 17 | 5  | - | - | - |
| 5. | Group discussions are more helpful than the lecture.  | 12 | 10 | - | - | - |
| 6. | Course duration was about right.  | 8  | 12 | 2 | - | - |

**TRAINERS' PERFORMANCE**

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

|    |  |    |    |   |   |   |
|----|--|----|----|---|---|---|
| 1. | He has good knowledge of the subject.  | 16 | 6  | - | - | - |
| 2. | He presented the subject matter nicely and spoke clearly.                        | 9  | 13 | - | - | - |
| 3. | He has the ability to relate subject matter with solutions of existing problems. | 14 | 8  | - | - | - |
| 4. | He answered trainees' questions satisfactorily.                                  | 15 | 7  | - | - | - |
| 5. | His overall performance was good.  | 10 | 12 | - | - | - |



Suggestions for further improvement (if any):

- This was an excellent course and we have learnt new information and acquired new skills from lectures and practical work about animal nutrition.
- Course duration should be increased.
- Practical work should be increased.
- The University of Khost has been established recently. If long-term training program is provided to the staff of Khost University, it will be very useful.
- Priority should be given to Provinces.
- Animal Health, Animal Husbandry and Artificial Insemination courses are very much needed.
- A Manual on Animal Nutrition should be written in Dari or Pushtu language for the livestock staff of Afghanistan.

# Human Capacity Development for the Agriculture Sector in Afghanistan

A partnership between the University of Illinois, Southern Illinois University, and the NWFP Agricultural University in Peshawar, Pakistan

## Twinning Programs Build Long Term Collaboration Between Researchers

Research collaboration pairing Afghan scientists with Pakistani mentors is creating companion programs between the NWFP AU and research stations in Afghanistan. More than 24 training programs have been completed, with staff from research stations at Sheshambagh in Jalalabad and Darul Amaan near Kabul, coming to Pakistan to work with colleagues in the NWFP AU. This training has been conducted at the Cereal Crops Research Institute (CCRI) in Nowshera, the Agricultural Research Station at Mingora, and the Agricultural Research Institute-Tarnab.

Scientists and research administrators in the areas of agronomy, horticulture, soil science and plant protection spend one to two weeks with their counterparts in the NWFP AU research system learning new techniques and mapping out strategies to deal with agricultural development. These training sessions may be followed by a reciprocal visit of the NWFP AU counterpart at an appropriate time.

### Afghan Ministry and NWFP AU Sign Agreement



**Deputy Minister Sharif meets with NWFP AU's Vice Chancellor Khalil and Illinois Field Office Director Dr. Qayyum to discuss the linkage agreement.**

For example, four Afghan researchers were sent to CCRI for a series of three sessions timed to coincide with critical stages in the maize growing season. Dr. Kiramat (Ph.D., University of Nebraska) was the lead trainer in these activities during the 2004 growing season. He then spent two weeks at Sheshambagh and in Nangarhar Province during the 2005 season, giving on-the-job assistance to Afghan counterparts. "It appears the on-farm research and farmer seed production systems are most important to the farming society in Afghanistan," said Dr. Kiramat, who is Senior Maize Breeder at CCRI.

Long-term collaboration that stems from the twinning program will benefit Afghanistan's agriculture sector and will enhance the NWFP AU's reputation as a regional center of excellence in agricultural education, research, and outreach.



**QUARTERLY PROGRESS REPORT**  
**Long-Term Degree Training Program under RAMP**  
**As of March 31, 2006**

The following ten participants, five each from the Faculty of Agriculture at Kabul University and the Faculty of Agriculture at Nangarhar University, sponsored by the RAMP Project through USAID–Kabul; are enrolled in Masters Degree Programs at the NWFP Agricultural University, Peshawar, Pakistan. This program is being administered by the Field Office of the University of Illinois at Urbana Champaign. Their progress toward completion of degree requirements is reported against each participant as under:

|     | Name                   | Nominating University | Discipline             | Required Course-work | Research/Thesis Topic   | Graduation Date |
|-----|------------------------|-----------------------|------------------------|----------------------|---|-----------------|
| 1.  | Mohammad Salim         | Kabul                 | Plant Protection       | Completed            | Study of population density of cicada and comparative efficacy of different insecticides for its management in Grape Vineyards in Shamali plains in Afghanistan | Continuing      |
| 2.  | Sakhidad Saleem        | Kabul                 | Plant Protection       | Completed            | Study of cereal Aphids and their natural enemies on wheat   | Continuing      |
| 3.  | Noor Mohammad          | Kabul                 | Horticulture           | Completed            | The effect of IBA (Axine) and 2, 4-D on the micro propogation of two different cultivars of tomato.   | Continuing      |
| 4.  | Masood                 | Kabul                 | Horticulture           | Completed            | Effects of phosphorus and plant density on floral yield and corum production of crocus sativus (Saffron)  | Continuing      |
| 5.  | Hussain Gul            | Kabul                 | Agricultural Economics | Completed            | Production and Marketing of Grapes in Parwan Province of Afghanistan  | Continuing      |
| 6.  | Najamuddin Najam       | Nangarhar             | Plant Protection       | Completed            | Insecticides for Peach Trees -- Dormant spray   | Continuing      |
| 7.  | Saidajan Abdiani       | Nangarhar             | Horticulture           | Completed            | Effects of Rhizobium inoculations on yield and seed quality of garden peas  | Continuing      |
| 8.  | Abdul Wahab            | Nangarhar             | Plant Breeding         | Completed            | Genetic analysis using 8x8 Diallele crosses in brassica napus   | Continuing      |
| 9.  | Mir Hatam Niazi        | Nangarhar             | Poultry                | Completed            | The effect of medicinal plants on the performance of broiler chicks   | Continuing      |
| 10. | Mohammad Bashir Dodial | Nangarhar             | Agricultural Extension | Completed            | Ways and means for accelerating the dissemination of modern technology in Nangarhar Province of Afghanistan   | Continuing      |

Auxiliary training activities planned for 2006

|    |  |  |  |           |  |  |
|----|--|--|--|-----------|--|--|
| 1. | English Language                           |  |  | Completed |  |  |
| 2. | Computer Applications                      |  |  | Completed |  |  |
| 3. | Technical Writing                          |  |  | Planned   |  |  |
| 3. | Research Methodology                       |  |  | Planned   |  |  |
| 4. | Operation & Maintenance of Research System |  |  | Planned   |  |  |