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Afghan Agricultural Research and Extension Development Program (AGRED)



Monthly Report

October 2013

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Afghan Agricultural Research & Extension Development Program (AGRED)

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PROGRAM OVERVIEW

USAID's Afghan Agriculture Research and Extension Development (AGRED) is a five-year, \$40 million on-budget program in partnership with the Afghan Ministry of Agriculture, Irrigation and Livestock (MAIL). AGRED will build enduring and effective research and extension systems to attain the overarching goal of increasing agricultural productivity and income through the application of science and technology. To attain this goal, AGRED will primarily focus on the nine strategic goals to improve internal structures and systems within MAIL that effect research and extension and as capacity is built, AGRED will focus on the provincial level working through Directorates of Agriculture, Irrigation and Livestock (DAILs) to utilize the improved systems to improve research and extension services to farmers.

On-Budget Strategic Goals:

- a. Bottom-up research and extension planning approach addressing farmer and herder needs.
- b. Strengthen human resource management at MAIL to maintain an effective and motivated workforce.
- c. Systematic institutional incorporation of gender in research an extension beneficiaries and MAIL leadership roles.
- d. Improved communication between DAILs' Research and Extension offices and MAIL.
- e. Development and maintenance of an effective monitoring and evaluation system.
- f. Effectual and transparent mechanism for funding MAIL/DAILs activities addressing farmer and herder needs.
- g. Strengthening relationships between MAIL and Afghan Universities.
- h. Development of MAIL extensions service delivery system.

AGRED will be implemented at the seven regional research stations and will cover 26 provinces and 50 districts, with expansion in later years of the program. Technical support to accomplish the strategic goals will be provided to MAIL through \$23 million in off-budget funding. The implementing partners are led by Roots of Peace with additional support from Washington State University, University of California at Davis, and Texas A&M University.

Key Initiatives to Date

AGRED has developed a strategy to improve governance and accountability structures so that MAIL can manage funds and enhance research and extension services.

AGRED is creating working groups to better represent and effectively address the needs and demands of women farmers through advocacy and training so that women can be drivers of agricultural production in Afghanistan.

AGRED is developing a proposal process at DAILs to address needed research and extension services, which will foster more effective communications between MAIL and DAILs and leads to increased funding for DAIL initiatives.

ACHIEVEMENTS IN OCTOBER

October brought AGRED closer to finalizing Implementation Letter 1 with another round of revisions on the supporting documentation and a draft of the Implementation Letter itself. This round brought further detail and clarification to the documents as well as the addition of a budget that will span the life of the program. These changes also help to refine the Implementation Plan, which will be resubmitted to USAID with revisions in mid-November.

Planning is moving forward on the Provincial Planning Manual with MAIL's Policy and Planning Department taking the lead. The formal introduction, of both AGRED and the manual, to the DAILs, will be held soon, though not before IL1 is finalized.

AGRED met with one DAIL director this month to resolve some misconceptions of the program and to provide him with an update on the status of on-budget funding. Frequent misconceptions about the nature of AGRED continue; the new program is developing and outsiders are waiting to see results. These outsiders seemingly expect the program to "look" like traditional agricultural programs of the past. The director awaits the anticipated on-budget funding, communicating that potential projects are identified at Balkh DAIL that will be submitted for funding as soon as the funds come available.

Work on the mini-proposals and projects continue, with DAILs learning the review process and conducting staff trainings on Needs Identification and Proposal Writing. Participants from Parwan University attended the Needs Identification training in that province, signifying a promising step for strengthening ties between DAILs and universities.

Highlights

1. Draft copy of IL1 shared with MAIL and resubmission of IL1 supporting documentation for "final" review by USAID. All comments and revisions have been addressed and approval is expected in the coming weeks.
2. Visit and presentations from Digital Green CEO on innovative extension technology. Digital Green has been working in rural India to improve extension messaging through the use of video. AGRED is exploring a pilot to introduce this technology to Afghanistan.
3. DAIL approved seven mini-proposals and is reviewing an additional four.
4. The Provincial Planning Manual is under development at MAIL, with AGRED providing technical assistance.
5. Proposal writing workshops were held in Parwan and Balkh provinces with university staff and students in attendance in Parwan.

ON-BUDGET SUPPORT

Implementation Letter 1

USAID shared a draft of Implementation Letter 1 (IL1) with both MAIL and AGRED. Additionally, USAID comments on IL1 documents were received on October 26, AGRED met with USAID to discuss comments and fully understand the work required in finalizing the documents according to USAID's expectations. Comments received required adjustments, clarification, further specifics for the detailed IL1 budget, the Gantt chart for IL1, and means of verification.

Including the recent edits to the IL1 budget, per USAID's request, the total estimated amount is \$3,765,910, with an anticipated \$819,814 for completed benchmarks.

USAID also requested additional documents – a life of project budget and a life of project plan. As is seen in Table 1 below, the largest budget amounts are apportioned to strategic goals A and I, with \$12,241,166 budgeted for improvements to research and extension and \$16,346,730 for improvements to DAIL research and extension infrastructure. Spending will be higher in years two and three with some tapering in year five. Note, year one refers to the effective start date of IL1.

Table 1: Life of Project Budget for On-Budget Spending

On-Budget Strategic Goals	Year 1	Year 2	Year 3	Year 4	TOTAL
	Total Cost	Total Cost	Total Cost	Total Cost	
Strategic Goal A:	\$1,110,489	\$4,757,006	\$4,702,671	\$1,671,000	\$12,241,166
Strategic Goal B:	\$460,425	\$666,800	\$666,804	\$260,000	\$2,054,029
Strategic Goal C:	\$309,148	\$390,000	\$450,000	\$130,246	\$1,279,394
Strategic Goal D:	\$159,530	\$607,110	\$800,000	\$200,000	\$1,766,640
Strategic Goal E:	\$563,696	\$395,154	\$397,000	\$210,000	\$1,565,850
Strategic Goal F:	\$646,296	\$300,000	\$200,000	\$150,000	\$1,296,296
Strategic Goal G:	\$122,355	\$520,000	\$550,000	\$160,000	\$1,352,355
Strategic Goal H:	\$227,540	\$800,000	\$710,000	\$360,000	\$2,097,540
Strategic Goal I:	\$166,430	\$4,108,000	\$7,000,000	\$5,072,300	\$16,346,730
Total	\$3,765,909	\$12,544,070	\$15,476,475	\$8,213,546	\$40,000,000

Next Steps

The requested resubmission date was October 28, however, as of the close of the month, AGRED was still working to finalize the documents. The required documents were submitted to USAID the first week of November.

MAIL Implementation Plan for On-Budget Performance

AGRED continued to work with MAIL to finalize IL 1 throughout October. USAID requested additional details regarding the budget, means of verification for the benchmarks, their associated actions, and a timeframe to be listed under IL 1. Discussions to meet these requirements were held with Planning and Policy, Programs, M&E, Procurement, Directorates, and MIS and ICT Units. The AGRED COP and DCOP also held a meeting with the newly appointed Deputy Minister to update him on the status of the Implementation Plan and IL 1. They discussed the Steering Committee for AGRED during this meeting, emphasizing that it needs to be operational as soon as possible.

Next Steps

AGRED is working with MAIL departments to revise PIRS and make further edits per USAID requests. The final resubmission of the Implementation Plan to USAID is anticipated to be in mid-November.

OFF-BUDGET SUPPORT

Digital Green Agriculture Extension Technology

AGRED hosted the visit of Rikin Gandhi, the CEO of the New Delhi, India-based Digital Green. Mr. Gandhi visited Kabul to introduce Digital Green and discuss the potential of adapting it to work in Afghanistan. Digital Green promotes the use of information communication technology, such as video, to build capacity and create sustainable innovation in the agricultural and health sectors.

Digital Green works with government extension workers, non-governmental organizations and the private sector to enable farmers to produce short video that are shared with farmers in other communities. The video content spans a variety of topics and genres and includes step-by-step demonstrations, testimonials, and interviews.



Digital Green Presentation by Rikin Gandhi for Badam Bagh DAIL Staff

Digital Green can potentially increase annual adoption rates of agricultural practices by more than seven times that of traditional extension methods. As a result of the lower per village cost and higher adoption rates, Digital Green could be 10 times more effective per dollar spent than classical extension.

Next Steps

This effort can be introduced to MAIL and DAILs to make positive impact under benchmarks A, C, D, and H. AGRED believes that integration of such an approach to the existing extension system will increase the efficiency of extension systems in Afghanistan and could reduce the associated costs of extension work. There is also a very positive impact on outreach to women farmers as technical content can be spread more easily and shared with women in private locations.

AGRED drafted a scope of work to pilot Digital Green in three select provinces/districts to test the product in the Afghan context and in partnership with DAILs. AGRED will leverage USAID/CHAMP, which will also be piloting the product in its area of operation in the South and East of Afghanistan. After pilot stage, AGRED will look to introduce the system to MAIL and look into turning over the management and use to MAIL and DAILs across the AGRED AOR.

Meeting with Balkh DAIL Director

AGRED acting-COP and DCOP met with the Balkh DAIL Director to address the director's questions about AGRED. The COP and DCOP explained the difference between AGRED and other traditional agricultural development projects, highlighting that the DAILs will start to implement AGRED activities with on-budget funds once the anticipated IL 1 is signed and on-budget funds start to flow through MAIL to the DAILs.

AGRED explained that the primary function of AGRED is to support MAIL/DAILs in their enhancement of DAIL research and extension services by providing technical assistance, not to perform the services themselves, unlike IDEA-NEW and FAO. AGRED clarified that the mini-projects are supported by off-budget funds, which are only sufficient to keep things moving while AGRED is simultaneously supporting MAIL/DAILs in formalizing the on-budget Implementation Plan. As MAIL is not yet in a position to receive on-budget funds, AGRED has been working with MAIL to enable its access to on-budget funds for both policy and ground-level work. The list below was provided to the director to explain what has been accomplished thus far:

1. The AGRED Implementation Plan has been drafted and is in its final stages.
2. The first Implementation Letter, which will allow MAIL access to the on-budget funds, is in its final stages. AGRED hopes to see this finalized very soon. Progress on IL1, can be summarized as follows:

- a. AGRED worked with MAIL and prepared the list of actions to be carried out in the first year of the on-budget program. The first year will start from the date the first IL is signed.
- b. MAIL has budgeted actions for IL1.
- c. Draft list of activities along with the estimated budget have been resubmitted to USAID for review.
- d. USAID is currently reviewing this document.

AGRED then explained that the following will occur:

1. Once USAID and MAIL agree upon the proposed budget and list of actions, USAID's Mission Director and Afghan Minister of Agriculture will sign the document.
2. The requested amount will be included in Afghanistan Development Budget for the year 1393. This will happen in January.
3. Documents will be submitted to Parliament for endorsement and will be approved by the cabinet.
4. MAIL will start taking actions towards achieving the actions listed in IL1, utilizing the on-budget funds of AGRED.

Next Steps

The director requested inclusion of DAILs in the planning process. AGRED COP explained that under the AGRED program, projects are expected to be farmer/herder and DAIL-driven and definitely will be involving DAILs in the decision-making process. He emphasized that AGRED is implemented by MAIL, with the DAIL Directors in the field assuming responsibility for its' implementation, success, and communication.

At the end of this meeting, the DAIL director mentioned that he was looking forward to seeing AGRED financially and technically supporting the DAIL's extension and research development programs in the upcoming fiscal year.

STRATEGIC GOAL A

Bottom up Research and Extension Planning Approach to Addressing Farmers'/Herder's issues

Benchmark A.1: DAILs systematically assess farmers' needs in their respective geographical areas of responsibility

Provincial Planning Manual

Throughout October, AGRED worked with MAIL Policy and Planning Department to review the MAIL Provincial Planning Manual. AGRED reviewed the document and suggested a few additions to the manual to ensure that extension, research and gender considerations are adequately addressed in the document. Once MAIL incorporates these considerations into the manual, it will result in the completion of one of the actions under benchmark A.1.

When the manual is finalized, MAIL Policy and Planning Department intends to introduce the revised manual at a training-of-trainers (TOT) event where AGRED will be officially introduced to the DAILs. The event will present DAILs with a road map depicting necessary actions for the DAILs to access funding, as well as an overview of what they can expect in terms of trainings, workshops and support from AGRED.

The DAILs' planning period for next year is coming up rapidly, so the TOT event will need to be held in the coming weeks.

Benchmark A.2: DAILs systematically design research and extension activities that directly address specific issues faced by farmers.

Mini-Project Design/Trainings

During October, AGRED conducted trainings on Poultry Farm Management in Logar, Needs Assessment in Parwan and Kapisa, and Proposal Writing in Balkh.

AGRED held Poultry Farm Management Training on October 21-23 in Logar province and trained 30 DAIL extension staff and veterinarians. The purpose of the training was to build the skills of the extension staff and veterinarians on poultry farming and disease management. One of the major problems in poultry farming in the province is lack of knowledge on effective control of poultry diseases and proper farming. AGRED briefed the trainees on the importance of poultry management and effective control of the diseases in increasing income.

AGRED held an Afghanistan Needs Assessments Training on October 22-23 in Parwan province for 33 participants: 7 from Parwan university, 13 from Parwan DAIL, 7 from Kapisa DAIL, and 6 from Kapisa University. The trainers, from Washington State

University, trained the DAIL staff new methods for extension models.

The workshop was conducted to enable attendees to develop a program that will qualify for funding through AGRED on-budget funds. They separated into three working groups for the workshop, with each containing a district extension officer, university faculty and female university students.

The training and workshops were extremely productive, resulting in well-developed logic models and potential funding projects. The training reinforced the importance of conducting needs assessment and project development training at all participating DAILs.

AGRED held a Proposal Writing Workshop held in Balkh for ten participants from Balkh DAIL. The workshop presented participants with information about the mini-proposal process and how to properly write proposals.

This workshop was conducted in anticipation of the potential proposals that will be funded once the on-budget funds become available to the DAILs.



Balkh Proposal Writing Workshop

AGRED presented the proposal-writing process, including AGRED mini-fund proposal writing objectives, what is a mini fund, how to identify a good idea for a mini-fund project, how to write a mini-fund proposal, responsibility of the DAIL applicant, MAIL technical review, and other related topics. AGRED also gave training on report writing, types of reports, and characteristics of an effective report. AGRED organized three practical workshop working groups.

A pre- and post-test was administered to determine the efficacy of the workshop. The test consisted of ten questions with every participants showing significant improvement in post-tests.

Benchmark A.3: MAIL Institutionalizes ability to vet research and extension work plans submitted by DAILs for technical financial validity.

Mini Project Review

During October, AGRED provided technical advice and assistance to the DAIL Directors and staff on best practices for reviewing and approving the work-plans of mini-project proposals. This resulted in DAIL staff approving seven mini-project proposals. Furthermore, DAIL staff in Balkh, Badakhshan, Takhar, Logar, Sar-i Pul, and Bamyan all successfully vetted mini-projects and their associated work plans. The Faryab DAIL Director developed and submitted a mini-project for the Wheat Cultivation Extension Project for Khoja Sabz Posh district. With MAIL's endorsement, the project will be fully funded by the off-budget funds.

The technical assistance provided by AGRED enabled the DAIL staff to better understand whether or not they should approve proposed mini-projects. This will eventually lead towards DAILs/MAIL ability to independently develop and vet proposals.



Kandahar Daman District Maize Field Day

Benchmark A.4: DAILs systematically implement MAIL-approved research and extension work plans.

Mini Project Implementation

AGRED continues to support mini-projects' development and implementation. AGRED

support includes help with proposal development, project budgeting, and various aspects of project implementation such as demonstration plot establishment, monitoring, evaluation and field days. This process will build DAILs' capacities as they work alongside AGRED and glean knowledge and skills from AGRED.

As mentioned before, seven mini project proposals for both Extension and Research were approved by DAIL directors and AGRED and endorsed by MAIL during October. Annex 2 contains a complete list of the mini projects.



Kandahar Daman District Shourandam Village- field day

AGRED staff conducted a field day in Shourandam village district of Dand/Kandahar province. Thirty people participated including of DAIL staff, university students and farmers.

Strategic Goal A: Activities Planned for Next Month

1. Livestock Management Training Course in Herat Province.
2. Pre and Post-Harvest Management of Apple Training in Kabul Province.
3. Best Cultural Practices of Saffron Production in Samangan Province.

STRATEGIC GOAL C

Systematic institutional incorporation of gender into research and extension plans and activities

Benchmark C1: Mail institutionalizes a policy to ensure each research and extension activity addresses gender. (Women farmers/herders directly benefit from these activities)

Technical Assistance

AGRED gender department held a coordination meeting with the Dean of Agriculture Faculty, the AAEP DCOP, and the MAIL Gender Manager at the Agriculture Faculty of Kabul University. This provided an opportunity for these parties to get together and plan for mutually beneficial activities. There was also a coordination meeting held with Women in Agriculture Working Group members at MAIL, with DAIL Research, Extension and Home Economy Departments on Mini Project Proposals. They discussed ways to better integrate gender into the mini-projects and types of mini-projects that would support women in agriculture.

This enhanced networking among MAIL-related departments with a focus on gender is resulting in improved incorporation of gender into extension and research programs and activities. The meetings helped to identify opportunities within MAIL and DAILs to increase the capacity of women employees and the best ways to reach women farmers.

Benchmark C.2: MAIL plans and implements a system to recruit female research and extension workers to ensure that MAIL can serve women farmers/herders

Technical Assistance

AGRED's female Provincial Coordinators are currently working in each of the seven target provinces to:

1. Advise DAIL to expand extension and research projects for women farmer in targeted provinces.
2. Work with DAILs to engage women farmers in implementation of research and extension programs promoting applied techniques in improving agricultural practices.
3. Assist DAILs to develop mini proposals based on women farmers' need for funding consideration for AGRED
4. Offer project endorsements for member initiatives based on women farmer priorities/needs
5. Inform the agriculture policy debate about constraints to women farmers at provincial level.

6. Build provincial capacity of women extension/research staff at DAIL.

Strategic Goal C: Activities Planned for Next Month

1. Coordination meetings with AAEP on women in agriculture activities.
2. Participation in Agriculture Sectorial Working Group (ASWG) meetings.
3. Coordination meetings with USAID OAG team for the next meeting date.
4. Meeting and working with research and extension departments on mini-project proposals
5. Coordination meeting with MoWA Home Economy and Provincial Directorates
6. Meeting with DAIL Director on women involvement in agriculture activities at Kabul region

STRATEGIC GOAL E

An effective monitoring and evaluation system

Benchmark E1: MAIL designs and implements a monitoring and evaluation system which is capable of capturing activity outputs and outcomes

MAIL M&E Department Development

AGRED M&E Director was introduced to the MAIL M&E Director early in the month. AGRED staff also provided an update to MAIL M&E Director on the status of IL1, who reported that he was excited about the progress made with IL1. Outcomes of the meeting are listed below:

1. Within one week, AGRED M&E Director and MAIL M&E Director will review the IP PIRS and update them based on the latest changes.
2. AGRED M&E Director will support MAIL in finalization of the list of output/outcome indicators for the IP. This action is already listed in IL 1.
3. MAIL M&E Director has allocated a desk for AGRED M&E Director in his department so that AGRED M&E can have a workspace at MAIL M&E offices.
4. AGRED M&E Director and MAIL M&E Directors will meet twice a week to maintain regular contact on progress.

Mini-Project Evaluations



Helmand Nadia Ali Maize Field Day with Nadia Ali District Governor

During October, AGRED M&E unit conducted a monitoring visit of the Afghan Need Assessment training program conducted by Washington State University in collaboration with AGRED. Training participants were DAILs extension workers, universities teachers and students. Assessment of their feedback revealed that they were very satisfied with the overall training program. At the last day of the training program, participants prepared three proposals on cold storage, irrigation system, and improving wheat yield on their provincial needs. Also, during the reporting month, M&E unit prepared six environmental mitigation and monitoring reports.

ANNEX 1: DRAFT LIST OF STRATEGIC GOALS AND BENCHMARKS

Strategic Goal A: Bottom-up research and extension planning approach to addressing farmers'/herders' issues
Benchmark A.1— DAILs systematically assess farmers' needs in their respective geographical areas of responsibility.
Benchmark A.2— DAILs systematically design research and extension activities that directly address specific issues faced by farmers/herders.
Benchmark A.3— MAIL institutionalizes ability to vet research and extension work plans submitted by DAILs for technical and financial validity.
Benchmark A.4— DAILs systematically implement MAIL-approved research and extension work plans.
Strategic Goal B: Strengthen human resources management at MAIL to have a technically effective and motivated work force
Benchmark B.1— MAIL produces a map of critical needs positions and a plan to staff these positions.
Benchmark B.2— MAIL designs and implements a Workforce development plan intended to keep MAIL/DAIL research and extension employees' capabilities current.
Benchmark B.3— MAIL designs (revises existing) and implements an institutionalized plan to motivate its research and extension workforce.
Strategic Goal C: Systematic institutional incorporation of Gender into research and extension plans and activities.
Benchmark C.1— MAIL institutionalizes a policy to ensure each research and extension activity addresses gender (women farmers/herders directly benefit from these activities)
Benchmark C.2-- MAIL plans and implements a system to recruit female research and extension workers to ensure that MAIL can serve women farmers/herders
Strategic Goal D: Improved communication between DAIL Research and Extension offices and MAIL.
Benchmark D1—MAIL will design/revise and implement a communications system that allow for timely transfer of information between MAIL and DAILs
Strategic Goal E: An effective monitoring and evaluation system
Benchmark E1— MAIL designs and implements a monitoring and evaluation system which is capable of capturing activity outputs and outcomes.
Strategic Goal F: Effective and transparent system for funding MAIL/DAIL activities addressing farmers/herders needs
Benchmark F1— MAIL institutionalizes a transparent procurement and funding process to provide DAIL-identified agricultural inputs and funding in a timely manner.
Strategic Goal G: Strengthening relationships with Afghan universities

Benchmark G.2 – Describes a system of publishing, vetting, and awarding requests for proposals from Afghan organizations (with a focus on universities) to solve specific research issues.
Strategic Goal H: Developing MAIL extension service delivery system
Benchmark H1— MAIL design and implement an extension service delivery system and plan to deliver research and extension content to Afghan farmers/herders in the targeted provinces via appropriate method of communication
Strategic Goal I: Refurbishment of MAIL/DAIL Research and Extension Centers' Infrastructure
Benchmark I1— MAIL designs and implements institutional policy for DAILs to request center rehabilitation and maintenance.

This list of benchmarks and actions is the working list for IL1, These are not yet finalized and are subject to change. Future reports will reflect any changes.

ANNEX 2: CURRENT MINI-PROPOSALS

Research or Extension	Title of Mini-Project	Locations	Project Description	Status	Activities In October 2013	Next Step	Conclusions Derived
Extension	Introduction of improved wheat varieties and production methods	Faryab	Introduction of improved wheat varieties (Lalmy3, Mazar 99 and Ghori 96) and improved production methods	Ongoing	AGRED staff explained wheat cultivation project to faryab DAIL-Director extension services manager and extension manager.	Selection of interested beneficiaries in Khowja sabz Posh district of faryab province.	On target
Extension	Introduction of Maize improved variety and improved production practices	Kandahar and Helmand	To introduce improved technology and a new improved variety of corn to farmers. The method of cultivation will be raised bed.	Ongoing	DAIL extension staff visited the 12 demo plots of maize. During the visits found that all of the demo plots had good vegetative growth (cobs stage) and are irrigated according to schedule. DAIL provided advice on weeding and treatments for stem borer pest.	Continue with proper irrigation schedule.	On target
Extension	Introduction Of Improved Mung Bean Variety And Improved Production Methods	Urzgan Derahwood district	Demonstrate a high yielding pest and disease resistance variety of Mung bean as well as improved production methods to increase farmers income.	Ongoing	Field days conducted by DAIL for 80 participants from DAIL, NGOs, progressive farmers, Mung bean growers, and Urozgan Agriculture faculty and students.	Completing field day reports	On target

Extension	Introduction of Saffron and improved production practices	Ghazni Jaghori district, Omari district and Ghazni	Introduction of Saffron to increase farmer's incomes and to enhance the DAIL's capacity to respond to the needs of existing and new saffron producers.	Ongoing	Farmers were selected in three districts Karmashi, Shakar Khail and Kochi Khail. Contract signed with selected farmers	Inputs to be procured and distributed to the demo plots	On target
Research	Determining The Best Method To Control Melon Flies	Kunduz Research Center	Testing different methods for controlling melon fly. The demo plot will be divided into 12 sections using different techniques of bagging, pheromone traps and environmentally safe chemicals recommended by FAO.	Completed Awaiting final report	Final report Drafted	Report to be finalized	Successfully completed. Bagging was determined to be the best technique. Awaiting final report.

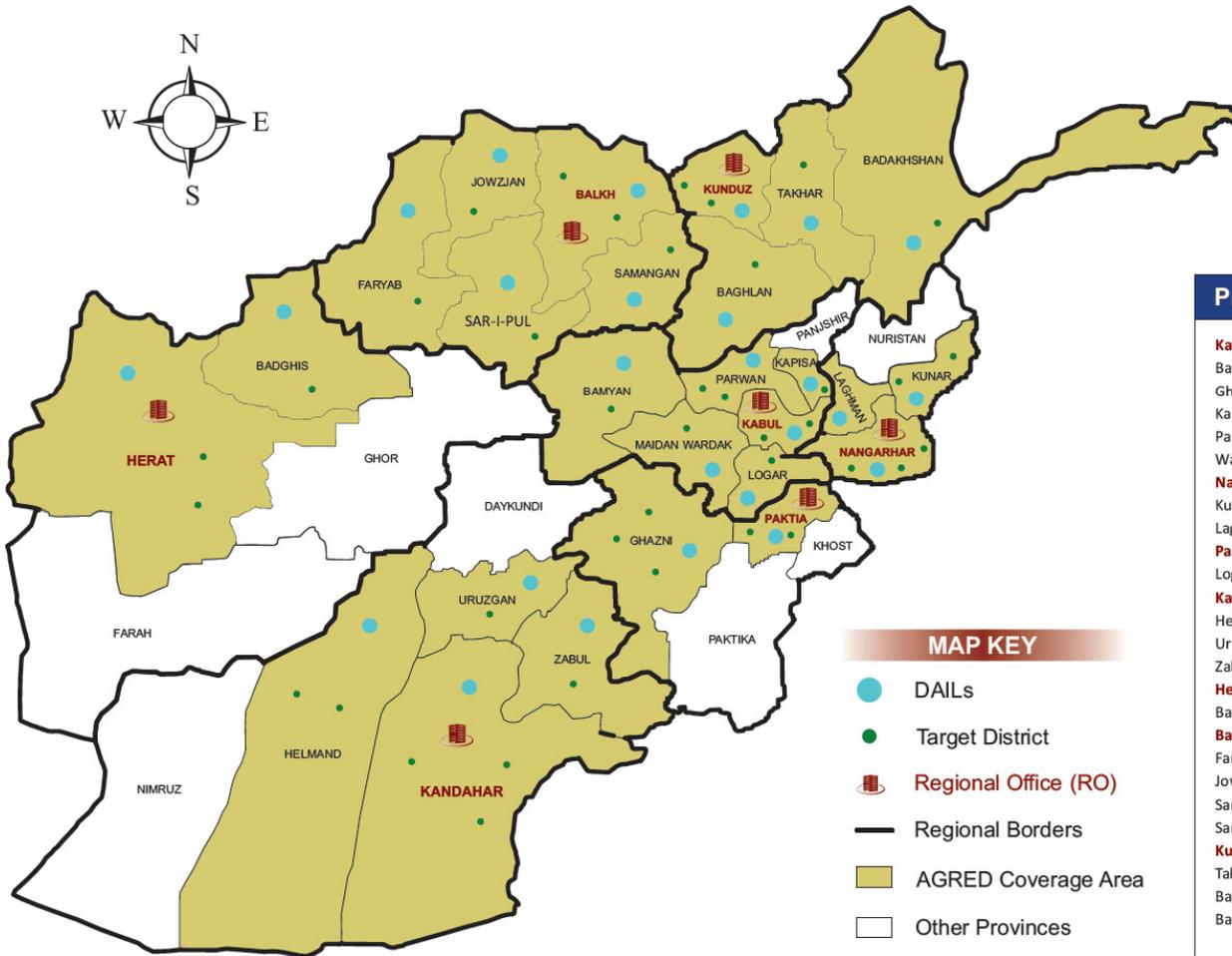
Research or Extension	Title of Mini-Project	Locations	Project Description	Status	Activities In October 2013	Next Step	Conclusions Derived
Research	Cultivation Of 11 New Improved Commercial Grape Varieties	Kabul Badam Bagh Farm	To demonstrate the Red Globe, Crimson Seedless, Flame Seedless, Thomson Seedless, Parlet, Tashkent, Rubby, Fantasy, Exotic and Black Emerald varieties. To train the research and DAIL extension staff on trellising, best Agriculture practices and proper documentation.	Ongoing	Data collection is ongoing by Research Department and AGRED staff	50 trellis poles to be installed	DAIL staff has learned how to determine the number of trellis poles needed for a plot and when the vines are ready for trellising
Research	Yield and profitability comparison of Mung Bean-NM 49 with local variety (Shin Mash)	Kandahar Kohkaran Research Farm	To demonstrate a high yielding pest and disease resistance variety of mung bean. To demonstrate improved production methods to increase mung bean growers income by reducing the production cost and increasing the yields.	Ongoing	DAIL Research Manager and 2 research staff visited the demo plot twice a week. Recommended a proper irrigation schedule for Mung bean crops and gave instructions on proper field drying techniques. collected research data.	Final Report	This project went well and the final report will be shared in the coming months.

Extension	Promotion of Off Season Vegetable Production under Plastic Tunnels	Paktya, and Sar-i-Pul	To build the capacity of DAIL staffs to promote of season crop production utilizing plastic tunnels.	Ongoing	Proposal being reviewed by MAIL and AGRED staff	Select demonstration plots	In mobilization phase
Extension	Introduction Of Improved Wheat Varieties And Improved Production Methods	Samangan, Faryab, Badakhshan and Takhar Provinces	To demonstrate the yield advantages of the new higher yielding improved wheat variety and to introduce new organic practices and techniques.	Ongoing	Proposal Being reviewed by MAIL and AGRED staff	Select demonstration plots	In mobilization phase

ANNEX 3: MAP OF AGRED ACTIVITIES

AGRED - Target Provinces

Afghan **A**gricultural, **R**esearch and **E**xtension **D**evelopment **P**rogram



Province	Priority Districts
Kabul (RO)	Shakar Dara, Char Asyab
Bamyan	Bamyan
Ghazni	Ghazni Center, Khoja Omari, Jaghori
Kapisa	Khohistan 2 nd
Parwan	Charikar, Sayed Khil
Wardak	Maidan Shar
Nangarhar (RO)	Mohmand Dara, Kama, Sorkhrood, Rodat
Kunar	Narang, Khas Kunar
Laghman	Qargae
Paktia (RO)	Gardiz, Ahmad Aba
Logar	Mohammad Agha
Kandahar (RO)	Dand, Daman, Arghandab
Helmand	Nadali, Garmsir
Uruzgan	Trinkot
Zabul	Qalat
Herat (RO)	Gozara, Pashton Zarghon
Badghis	Qadis
Balkh (RO)	Nahre Shahi, Dehdadi
Faryab	Khoja Sabzposh
Jowzjan	Aqcha
Samangan	Aybak
Sar-i-Pul	Sancharak
Kunduz (RO)	Kunduz Center, Khan Abad
Takhar	Taloqan
Baghlan	Markazi Baghlan
Badakhshan	Kishim