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AGRO-INPUTS PROJECT

Quarterly Progress Report

Year 2: April 1, 2014 – June 30, 2014



July 20, 2014

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USAID Cooperative Agreement

AID-388-A-12-00005

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Contents

Acronyms	1
Quarterly Progress Report - Quarter 3, Year 2: April 1, 2014 – June 30, 2014	2
Project Background	2
Summary of Progress in the Quarter	3
Intervention 1: Establish Agro-Input Retail Network	5
Intervention 2: Market Information Systems	19
Intervention 3: Quality Control and Standards and Regulatory Constraints	26
Intervention 4: Strengthening Local Organizations	29
Project Management, Mobilization, and Cross-Cutting Themes	30
Key Issues of Interest	34
Financial and Expenditure Summary	35
Key Constraints	36
Summary of Key Activities for Next Quarter	36
International Travel Plan for Next Quarter	37
International Travel to Date	38
Annex 1: Feed the Future indicators	40
Annex 2: Custom and cross cutting indicators	42
Annex 3: Lower-level output indicators – Interventions 1 through 4	45
Annex 4: Demo Plots’ location suitability evaluation as per EDDR	51

Acronyms

AIP	USAID Agro-Inputs Project in Bangladesh
AIRN	Agro-Inputs Retailers Network
AIS	Agricultural Information Service of the DAE
AOR	Agreements Officer's Representative
ASCA	AIRN Supply Chain Advisor
AVAS	Association of Voluntary Actions for Society
BADC	Bangladesh Agricultural Development Corporation
BCPA	Bangladesh Crop Protection Association
BFA	Bangladesh Fertilizer Association
BMT	Business Management Training
BPRSSP	Bangladesh Policy Research and Strategy Support Program
BSA	Bangladesh Seed Association
CA	Cooperative Agreement
CLA	CropLife Asia
COP	Chief of Party
CPP	Crop Protection Product
DAE	Department of Agricultural Extension
EDDR	Environmental Due Diligence Review
FTF	Feed-the-Future
FO	Field Officer
GIS	Geographic Information System
GLC	Gender Lens Committee
GoB	Government of Bangladesh
IPM	Integrated Pest Management
LOP	Life of Project
M&E	Monitoring and Evaluation
MOA	Ministry of Agriculture
MOU	Memorandum of Understanding
OCA	Organizational Capacity Assessment
OCD	Organizational Capacity Development
PERSUAP	Pesticide Evaluation Report and Safer Use Action Plan
SCBA	Senior Capacity Building Advisor
SPRING	Strengthening Partnerships, Results and Innovations in Nutrition Globally
SSA	Spatial Systems Associates
STTA	Short-Term Technical Assistance
TOT	Training of Trainers
USAID	U.S. Agency for International Development

Quarterly Progress Report - Quarter 3, Year 2: April 1, 2014 – June 30, 2014

Project Background

Key Project Details

Title:	Agro-Inputs Project (AIP) in Bangladesh
Start Date:	September 17, 2012
Project Duration:	Five Years
Type of award:	Cooperative Agreement No. AID-388-A-12-00005
Award Amount:	\$14,028,602
Main Implementer:	CNFA
Sub Implementers:	<ul style="list-style-type: none">• Spatial Systems Associates• Capacity Development Service Group• The Nielsen Company (Bangladesh) Ltd.• GMark

Project Objective and Interventions

The objective of the U.S. Agency for International Development (USAID) Agricultural Inputs Project (AIP) is to improve the supply of quality agricultural inputs through input retailers. Its central effort is the creation of a sustainable Agro Input Retailers Network (AIRN) through Intervention 1. Interventions 2- 4 are designed to work in concert and holistically with Intervention 1. AIP's four interventions are:

- 1) Establishment of an Agro-Input Retailers **Network**;
- 2) Development of **Market Information Systems**;
- 3) Setting **Quality Control Standards** for inputs and lessening **Regulatory Constraints**; and
- 4) **Strengthening Local Organizations** towards direct implementation.

The creation of AIRN will leverage 3,000 Government of Bangladesh (GoB)-registered retailers to be certified in 20 Feed-the-Future (FTF) districts, to supply quality, unadulterated and genuine agricultural inputs to over 1 million farmers. Amongst the 3,000 retailers, 300 will be women-owned, and who will be established by matching grants and other technical assistance. All retailers will be supported to make informed business decisions for efficient, ethical, and science-based operations.

Market information systems (MIS) will create and distribute an Ag-Inputs Monthly Price outlook bulletin primarily for seeds, fertilizers and plant protection products. The bulletin will be underpinned by a Geographic Information System (GIS). This will depict visual representation of input distribution networks, transportation infrastructure, client concentrations, cropping patterns, product and price trends, and other important information.

Improving quality control standards and regulatory constraints will involve working with industry associations and the GoB to develop industry standards for each of the major crops, and building capacities of associations to assert their voice to the GoB. AIRN will conduct “Business Ethics Audits” of certified retailers for transparency and consistency.

AIP will build the capacity of local organizations so that they are brought up to USAID’s standards as potential future implementers of AIP and other related activities. This will be made possible through capacity building and providing financial assistance to the organizations such as business associations, NGOs, microfinance institutions, research institutes and government agencies.

Summary of Progress in the Quarter

AIP and AIRN advanced strongly in Q3 through AIRN’s growth, field demonstrations of quality inputs, continual training of retail agro dealers in the three “basic” AIRN introductory trainings. AIP also saw considerable growth in the number of agro-input retailers joining the network – either as (entry level) Associate members, or, one step beyond and after basic trainings, as Accredited members. The MIS-GIS system made significant strides - through data acquisition and plotting – towards its launch in Q4.

AIP advanced recommendations on a revised seed policy its support to the Bangladesh Seed Association (BSA) and the private sector, building consensus and providing recommendations to the GoB. Further to efforts aimed at supporting the BSA, AIP conducted an Organizational Capacity Assessment throughout Q3 to identify additional opportunities for assistance.

Central to AIP’s purpose is an organizationally and financially sustainable agro-inputs retailers’ network that asserts a strong voice of demand for quality agro-inputs supplies: to both the private and public sectors. Related is AIRN inducing self-regulation for quality products both to its members, and to the industries that supply members. Further related is inducing strong demand amongst buyers of retailed agro-inputs for quality products, through consistent and strong messaging to farmer clients and industries, and through a variety of other tools. AIP views itself as no more than a temporary Secretariat to advance and realize this purpose.

Q3 expanded its reach to 23 *Upazillas*. The *Upazilla* –based membership drives are part of an on-going effort to make retailers aware of the AIRN network. Once a part of the network the retailers start as an Associate Member; after 3 basic trainings and adherence to a code of conduct agreement they are eligible to become an Accredited

Member. By the end of Q3 there were nearly 600 Associate Members with a project goal to reach more than 1,000 by the end of September, 2014; By the end of Q3, AIRN has 143 Accredited Members with a project goal to reach more than 500+ by end of September), with more than 1,000 retailers *already* trained (3 basic curricula) across 18 Districts, and ready to join and advance to Accredited Member status. AIRN staffs have focused considerable time and resources to catch up on this effort.

Each *Upazilla* has a temporary *ad hoc* committee. Voluntary heads of *ad hoc* committees will be chosen in the near future as “AIRN Founding Members” who will form and ratify AIRN’s bylaws. A third domestic study tour took place, whose participants were *ad hoc* heads to understand association governance in a business association in the Feed the Future (FTF) Zone, and to view how quality seed is produced in-country. A fourth domestic tour is planned for early Q4 to view quality control procedures in yet another company. In August 2014 AIRN plans to conduct its first international study tour: a joint initiative between AIRN and a number of apex organizations including the Bangladesh Fertilizer Association, Bangladesh Seed Association, and the Bangladesh Crop Protection Association to the India AgroTech Fair. Learning objectives on quality control and network governance will be separately addressed through side tours. In early Q4, AIP will submit a service contract to USAID for review and approval.

Given additional technical operational and programmatic priorities, AIP re-examined its staffing structure in conjunction with a comparison against current and projected expenditures in its Direct Labor cost element. After this analysis, AIP proceeded to put in place a plan to hire in more AIRN and AIP staff in anticipation of a ramp-up in project activities while addressing resource gaps. Most gaps once filled are to advance field level outputs, and for more robust and persistent messaging campaigns across mixed media. Particularly in Q4 a Deputy AIRN Coordinator will be placed to lead field-level AIRN functions, thus allowing the Coordinator to advance the governance formation process. Expansion of AIRN Field Officers by 14 will allow membership drives and other functions to proceed more smoothly and rapidly. A Director of Communications and a strong “green” (agriculture-horticulture-soil science) content writer will complement the existing one Communications and Public Relations Specialist.

In Q3, AIP held a series of training-discussion workshops on a continuous basis and included participants from AIRN and AIP. The express purpose was to establish a conceptual base for AIRN governance within the project. The subjects taught were: business model options for AIRN and its market segments, a business plan of AIRN, and governance of networks/associations in general, and implications for AIRN in particular.

Issuing matching grants to form women retailers (300 female AIRN members through matching grants) is now poised to begin: contracts to 3 Partner NGOs were completed in Q3 and submitted to USAID, AIP staffs are in place, and the Grants Manual is in place.

The Directory of Agro Inputs' Companies and Wholesalers (FTF Zone related) is due out early-mid July. This will be geo-coded with attributes to complete (along with AIRN members' point data) the "supply" side of the MIS-GIS.

AIRN's first Agriculture Fair was well conceptualized, with the division of labor between AIP and a 3rd party event organizer well defined. It is to take place in Jessore in December, 2014, with its theme defined, an event organizer to assist, and the associated contract submitted to USAID for review and approval.

Messaging throughout the FTF Zone advanced by utilizing a number of different media outlets. All tools for membership drives were refined and used to include: Accredited logos/boards, Code of Conduct, certificates for Associate and Accredited Members, AIRN "sales" brochures highlighting member services, and membership drive event materials (flipcharts, PowerPoints). Four broadcasts were repeated over radio through DAE's AIS Community Radio and other local outlets. These broadcasts highlighted the purpose of AIRN and the benefits to potential members, and an interview with an AIRN member. At their core, the broadcasts showcased recognition of quality seed, and safe use and application of pesticides at the field level.

AIP concluded a Memorandum of Understanding (MOU) with BSA signed to promote collaboration in AIP's Interventions 2, 3, and 4; a similar MOU with BCPA is now in process. On-going AIP membership in the MoA's Seed Wing committee on improving quality standards for germplasm of notified crops continued in Q3. "Mapping" of sub-sectors (seed, CPPs, Fertilizers) is on-going: this contrasts existing GoB policy/regulations vs. "real world" application of policies and regulations: the gaps thus identified are the grounds for policy change recommendations by the private to the public sector.

Intervention 1: Establish Agro-Input Retail Network

1.1a Establish the Agro Input Retailers Network (AIRN)

1.1.1 Selection of 90 out of 122 Upazillas in 20 FTF Districts

Throughout the quarter, AIRN membership drives took place in 7 Upazillas: Faridpur Nagarkanda, Khulna Dacope, Khulna Terokhada, Jessore Monirampur, Barisal Bakergonj, and Barisal Banaripara. A total of 582 members had joined AIRN by the end of the quarter.

Upazilla AIRN Membership Drives through Q3:

S. No	Upazilla	District	Division
1.	Barisal Sadar	Barisal	Barisal
2.	Babugonj		
3.	Wazirpur		
4.	Banaripara		
5.	Bakherganj		
6.	Jhalokati Sadar	Jhalokati	Dhaka
7.	Patuakhali Sadar	Patuakhali	
8.	Faridpur Sadar	Faridpur	

S. No	Upazilla	District	Division
9.	<i>Saltha</i>		
10.	<i>Sadarpur</i>		
11.	<i>Nogorkanda</i>		
12.	<i>Dumuria</i>	<i>Khulna</i>	<i>Khulna</i>
13.	<i>Fultala</i>		
14.	<i>Dighalia</i>		
15.	<i>Batiaghata</i>		
16.	<i>Pykgasa</i>		
17.	<i>Therokhada</i>		
18.	<i>Dacope</i>		
19.	<i>Jessore Sadar</i>	<i>Jessore</i>	
20.	<i>Bagherpara</i>		
21.	<i>Jhikorgacha</i>		
22.	<i>Monirampur</i>		
23.	<i>Jhenaidah Sadar</i>	<i>Jhenaidah</i>	

In Q4, AIRN membership AIP plans to conduct membership drives in 14 new Upazillas: Faridpur Alfadanga, Faridpur Madhukhali, Faridpur Bhanga, Bagherhat Sadar, Bagherhat Chitolmari, Satkhira Sadar, Jhenaidah Harinakunda, Jhenaidah Shailkupa, Jessore Keshobpur, Magura Sadar, Jhalokati Nalchity, Jhalokati Rajapur, Barisal Gournadi, and Pirojpur Swarupkati. Additional detail is provided in the below table.

AIRN Membership Drive Plan for Q4 of Y2:

SI No	Upazilla	District	Division
1.	<i>Alfadanga</i>	<i>Faridpur</i>	<i>Dhaka</i>
2.	<i>Madhukhali</i>		
3.	<i>Bhanga</i>		
4.	<i>Bagherhat Sadar</i>	<i>Bagherhat</i>	<i>Khulna</i>
5.	<i>Chitolmari</i>		
6.	<i>Satkhira Sadar</i>	<i>Satkhira</i>	
7.	<i>Harinakunda</i>	<i>Jhenaidah</i>	
8.	<i>Shailkupa</i>		
9.	<i>Keshobpur</i>	<i>Jessore</i>	
10.	<i>Magura Sadar</i>	<i>Magura</i>	
11.	<i>Nalchity</i>	<i>Jhalkhati</i>	<i>Barisal</i>
12.	<i>Rajapur</i>		
13.	<i>Gournadi</i>	<i>Barisal</i>	
14.	<i>Swarupkati</i>	<i>Pirojpur</i>	

1.1.2 Assessments of Private Sector Agricultural Input Companies

In Q3, the AIRN Supply Chain Advisor (ASCA), in collaboration with the BSA, BFA, and the BCPA will assess the internal quality controls of agro-inputs companies with whom AIP/CNFA has entered into partnership through MOUs. An independent, objective, and impartial rating system for soundness of self-regulation will be devised and applied to these companies. Throughout the quarter, the ASCA worked to devise such rating systems to assess the internal quality control mechanism of one such company - Lal

Teer Seed Ltd. As part of this effort, the ASCA conducted a literature review on necessary requirements and attended meetings with quality control experts to get an overall picture about existing internal quality control mechanism of the seed industry in Bangladesh. The ASCA also visited processing plants of different seed companies including Lal Teer Seed, Metal Agro Ltd., Supreme Seed Company Ltd., and BADC Seed. At the conclusion of these visits, it became clear that the internal quality control procedures of the seeds processing plants were inadequate.

There are number of appraising criteria related to internal quality control mechanisms, to be used to gauge the quality of a given company's internal quality control procedures. Each appraising criterion may not carry the same weight. Therefore, appraising criteria and its components should be allocated accordingly depending on the importance of the criterion. The criteria to assess a company's internal self-regulating procedures will have already been set. These criteria will be reviewed and verified with the relevant external and internal experts of AIP. On the basis of these appraising criteria, a questionnaire will be developed to assess companies. The second company assessment is expected to be completed by end of Quarter 4 of Y2.

1.1.3 Identify Training Needs of Retailers

Based on AIP's critical feedback, the 3rd party group, GMark, produced a final training needs assessment report. AIP itself trained GMark's Master Trainers through hiring expert trainers of trainers. This report enabled AIP to adjust the curriculum, and guide Training of Trainers (ToT) delivery. AIP has thus continually refined the curriculum that ultimately has resulted in increasingly better quality of trainings to retailers (see subsection 1.2.1 below for more detail).

1.1.4 Working Purpose, Objectives, and Modalities of AIRN

During the quarter AIRN, added additional members and established *Upazilla* Ad Hoc committees. Through this process, AIRN drafted Mission, Vision, and Value Statements, Goals and Objectives, and Bylaws for future consideration by the Advisory Board/Founding Members. Alternative membership dues and fee-for-service activities as sources of AIRN income continue to be reviewed as components of the draft AIRN Business Model.

Meetings were continued with two national agricultural input associations regarding AIRN and possible areas of collaboration including representation on the AIRN Business Ethics Committee (BEC). The BSA has, as a component of its Memorandum of Understanding (MOU) with AIP, agreed to select a representative to serve on the BEC. Due to a change in leadership of BCPA, there has been a delay in discussion and agreement on a MOU to provide, among its other provisions, a representative of that group on the AIRN BEC.

1.1.5 AIRN Structure and Members

The AIP Cooperative Agreement provides that the AIRN Managing Director (Coordinator) and Advisory Board (hereafter referred to as "Founding Members") will define the charter, mission, and by-laws of the organization (AIRN). As of the end of Q3,

23 *Upazilla* AIRN “ad-hoc” committees with a total of 582 AIRN members have been formed. It is expected this number will continue to increase significantly during Q4.

In Q1 Y3, following the membership growth of AIRN to a size and diversity sufficient to provide for proper representative selection, individuals will be selected by the Network’s Ad Hoc Committees to serve as the organization’s Founding Members who will review, modify (as they deem necessary) and adopt (already drafted) Bylaws, aforementioned statements (see 1.1.4), and Goals and Objectives. A General Meeting of AIRN members will follow to act on the recommendations of the founding members and elect the initial Executive Board. During Q4 AIP aims to have AIRN legally registered. In Q3 the SCBA created and presented to AIRN and AIP staff AIRN capacity building presentations and trainings. These included: AIRN Mission, Vision and Value statement development; training on Business Model development (including market segmentation, feature and benefits of AIRN member services,); goals and objectives; elements of bylaws, and membership classification and development.

1.1.5a AIRN Membership Drive

In Q3 AIRN membership drives proceeded well with events organized in 7 *Upazillas*, adding a further 273 retailers to AIRN as Associate Members bring total Associate Members up to 582 at the conclusion of the quarter.

By the end of Q3, four private sector input supply companies, namely Syngenta Bangladesh Ltd., Bayer CropScience, Lal Teer Seed Co. and Global Agrovet Limited, and one consulting firm, GMark Consulting Limited had provided training on the three basic subjects to 1,064 retailers in a total of 106 *Upazillas* over 20 Districts. Through Quarter 3, AIP had brought 143 of these trained retailers into AIRN as Accredited Members. Training of retailers has outpaced the painstaking process of joining them as Accredited Members. Over the next quarter(s), the remaining trained retailers will join as Accredited Members.

AIRN Trainings Help Attract New Members

Moshiar Rahman, from Dhopakhola village, Fulthola *upazilla*, Khulna district is one of the first members to join the AIRN. After attending technical capacity development trainings on ethical business management, agronomy, safe handling, storage, field application, and disposal of agriculture chemicals, Moshiar decided to become an AIRN member. “I want to earn the AIRN logo because I want my customers to trust me and my products,” says Moshiar. “I also want to increase my knowledge about quality agro-inputs and would like to advise my customers about their use.

As a member of the AIRN, Moshiar will learn new agronomic and agro-inputs information and participate in ongoing trainings on the use of agro-inputs to improve productivity and quality. This will in turn increase the popularity of his shop in the local market and aid in generating higher profits. Additionally, Moshiar will have better linkages with input supply companies and will be able to attend business development trainings to help develop his business.

Throughout the quarter, special membership drive events were organized and were directed at all retailers who had received training but had not yet become part of AIRN. A total of 138 retailers trained in the three basic subject areas, were joined as Associate members and subsequently awarded Accredited member status. At the end of Q3 there were a total of 143 Accredited AIRN members.

AIRN Members at the end of Q3 of Y2:

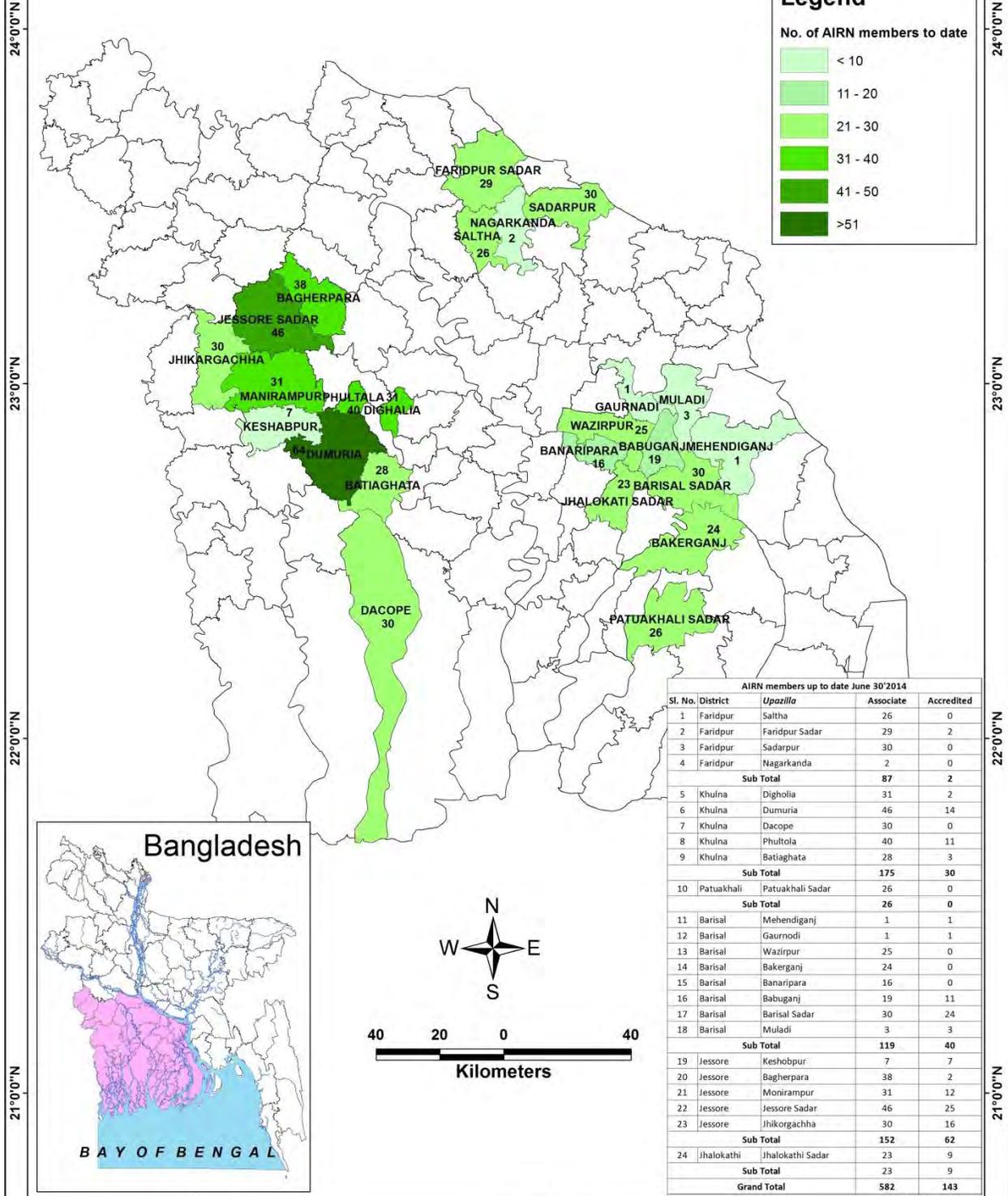
Division	District	Upazilla	Associate Member	Accredited Member
Barisal	Barisal	Barisal Sadar	30	24
		Babugonj	19	11
		Wazirpur	25	0
		Banaraipara	16	0
		Muladi	03	03
		Mehendiganj	01	01
		Gournodi	01	01
		Bakherganj	24	0
	Jhalokati	Jhalokati Sadar	23	09
Patuakhali	Patuakhali sadar	26	0	
Khulna	Khulna	Fultala	40	11
		Dumuria	46	14
		Dighalia	31	2
		Dacope	30	0
		Batiaghata	28	03
	Jessore	Jessore sadar	45	25
		Bagherpara	38	02
		Jhikorgasa	30	16
		Monirampur	32	12
		Keshobpur	07	07
Dhaka	Faridpur	Saltha	26	0
		Faridpur Sadar	29	02
		Sadarpur	30	0
		Nogorknada	02	0
Total			582	143

Map Showing AIRN Members by Upazilla



Agro-Inputs Project

Signed up AIRN members as of June 30, 2014



AIRN members up to date June 30'2014				
Sl. No.	District	Upazilla	Associate	Accredited
1	Faridpur	Saltha	26	0
2	Faridpur	Faridpur Sadar	29	2
3	Faridpur	Sadarpur	30	0
4	Faridpur	Nagarkanda	2	0
Sub Total			87	2
5	Khulna	Digholia	31	2
6	Khulna	Dumuria	46	14
7	Khulna	Dacope	30	0
8	Khulna	Phultola	40	11
9	Khulna	Batiaghata	28	3
Sub Total			175	30
10	Patuakhali	Patuakhali Sadar	26	0
Sub Total			26	0
11	Barisal	Mehendiganj	1	1
12	Barisal	Gaurnodi	1	1
13	Barisal	Wazirpur	25	0
14	Barisal	Bakerganj	24	0
15	Barisal	Banaripara	16	0
16	Barisal	Babuganj	19	11
17	Barisal	Barisal Sadar	30	24
18	Barisal	Muladi	3	3
Sub Total			119	40
19	Jessore	Keshobpur	7	7
20	Jessore	Bagherpara	38	2
21	Jessore	Monirampur	31	12
22	Jessore	Jessore Sadar	46	25
23	Jessore	Jhikorgachha	30	16
Sub Total			152	62
24	Jhalokathi	Jhalokathi Sadar	23	9
Sub Total			23	9
Grand Total			582	143

1.1.6 Credit Guarantee Fund

AIP has a \$250,000 credit guarantee facility for AIRN member-retailers. It is expected that this guarantee can be leveraged to increase lending to agro-retailers by reducing the risk to banks and/or MFIs.

USAID announced a larger program for a credit guarantee to BRAC Bank in late 2013, and urged AIP to look into further collaboration. After introductory meetings in Q2, AIP used much of Q3 to advance its relationship with BRAC and clarify details about its *Annono* loan product. As a result, BRAC formalized these discussions and focused on terms it would be prepared to offer should AIP utilize its loan guarantee to reduce the Bank's related risk. A key meeting was held in April with BRAC with the following points discussed:

- Ideal risk management (50:50)
- Range of interest rates
- BRAC's interest in the actual market size amongst AIRN member retailers in the FTF zone
- Possible loan volume in BDT
- Partnership modalities

The key meeting outcome set the stage for AIP's next course of action. After frequent interaction, BRAC Bank provided to AIP in mid-June a base for a survey questionnaire for both parties to know the market size in the FTF zone, including loan volume, types of financing facilities presently available to agro-inputs retailers (e.g. revolving credit, SME, Agricultural loan), current credit practices by the retailers, availability of sources of financing, monthly average receivables (outstanding), and payables (owe to others).

To conduct the survey AIP amended an existing fixed cost contract with the Nielsen Company (Bangladesh) Ltd. AIP and Nielsen organized an orientation program for Survey Officers, in which BRAC Bank officials also participated. The survey questionnaire was refined, incorporating feedback from the orientation.

Neilsen conducted the survey from 18-29 June, covering geographic areas: Faridpur, Khulna, Barisal, and Jessore. 467 retailers were contacted amongst which 400 interviews were successfully completed. Among the 400, 115 were from Barisal, 76 from Faridpur, 74 from Jessore, and 135 from Khulna broader regions. At quarter's end the findings are nearing ready for submission to AIP. After analysis in Q4, BRAC Bank and AIP will meet again to explore negotiation and finalize loan terms, e.g. interest rate and partnership modalities.

1.1.7 Gender Lens Committee (GLC)

In Q3 AIP held a Gender Lens Committee (GLC) meeting in late April, 2014 and chaired by the AIP Gender Specialist. In attendance and in addition to the regular five GLC members were the AIP Agricultural Input Supply Chain Advisor and Grants Specialist, and an agriculturist from the Bangladesh Agriculture Development Corporation (BADDC). The latter was a resource person with expertise on the licensing process for agro inputs

retailers. A principal agenda item was to learn what trade, seed, fertilizer, and crop protection product licenses are required for a woman operated retailer, and how licenses can be obtained from the *Union Parishad*, DAE, BADC, and the MoA. Licenses are a requirement to be a member of AIRN. Additional agenda points included gender issues related to GMark ToT (see 1.1.3), the role of GLC members to facilitate AIP's Interventions 1 and 3, understanding matching grants application and agreement processes, and the next courses of action.

GLC attendees gained a common understanding of the content - including gender mainstreaming - of the retailer training modules taught by GMark. Attendees also were made aware of the importance of press briefings with journalists; GLC members' roles in accelerating AIP achievements especially women's participation in agro-inputs retail businesses; gained practical knowledge in dealing with retailing licensing formalities.



GLC members examining nutritional materials collected from Feed the Future partners.

After its formation in December 2013, the Gender Committee has now held four meetings-with the last being in Q3. To gauge the effectiveness of the GLC and its influence within AIP and within the AIP Partner Non-Government Organizations, a June 6 follow-up meeting was held with *Banchte Shekha* Senior Management. Specific content of the meeting included: an update on the

creation of women agro-input retailers through AIRN; recommendations and actions taken from the first Gender Assessment; and re-organization of *Banchte Shekha's* Gender Taskforce based upon

the best practices learned from the GLC.

1.1.8 Creation of Women Retailers through AIRN

In Q3, AIP held meetings individually with PNGOs selected to facilitate the creation of women agro-input retailers to finalize their agreements and supporting clearance documents. Three cost reimbursable contracts were submitted to USAID for review and approval on June 10. Upon receiving USAID concurrence, AIP will formally execute the sub-contracts with the three selected PNGOs to commence the grants making process in support of eligible women agro-input retailers.



Two women retailers (Swapna Mondol and Parvin Aziz) attended the basic subjects' AIRN member training conducted by GMark

Specific milestones to begin the grant making process include:

- The completion of a revised and simplified program Grants Manual;
- Completion of a template for grantee identification;

- Translation of eligibility criteria into *Bangla*;
- Eligible women retailers completed; and
- Completion of *Bangla* translation for grants application and grants Agreement

1.1.9 Strengthen Agricultural Input Wholesale Associations

1.1.9.1 Directory of Input Supply Companies and Wholesalers

The Directory moved ahead strongly in the Quarter. In addition to the Directory, the (3rd party outsourced) Nielsen Company took up the assigned task of developing a “master” list of GoB-registered agro-input retailers in the FTF Zone. At quarter’s end the master list and Directory of Companies and Wholesalers both neared completion. For it, Nielsen has completed field level data collection and processing. These initial findings were shared with AIP management through a series of meetings and structured feedback. The revised deadline for submission of their final deliverables is mid-July 2014.

1.1.9.2 Capacity Development of BSA, BFA, and BCPA

The capacity building of BSA, BFA, and BCPA seeks to improve business ethics and members services by means of a comprehensive organizational assessment and development of each organization’s governance, administrative, fiscal and financial management, and other related capabilities. A sub-agreement was awarded in Q2 to the Capacity Building Services Group (CBSG) to conduct an Organizational Capacity Assessment (OCA), and incorporate the resultant conclusions in the Organizational Capacity Development (OCD) of these three business associations (see Intervention 4).

The OCA was initiated and completed with BSA during the quarter and a preliminary OCD discussion with a select group of 6 BSA members has been conducted. It is anticipated that OCD for BSA will be completed by the end of the 2nd quarter of year 3.

OCD training content will be constructed collaboratively with CBSG and AIP. It will be based on identified weaknesses resulting from OCA and will be inclusive of all subjects determined necessary to bring their organizational capacity up to a standard to allow for direct implementation of donor-funded activities. Additionally, this will enable each organization to exercise a more influential role in increasing the supply of quality agro-inputs through strengthening their member services and representation.

The discussions between AIP and BCPA regarding an MOU to include the OCA/OCD process has been delayed until early in quarter 4 due to a change in BCPA’s leadership. Although subject to revision based upon further exchanges with each association, the draft MOUs include, in addition to provisions regarding OCA and OCD, language dealing with representation on the AIRN Business Ethics Committee, collaboration on input company supply chain assessments and demonstration plots, and the facilitation of dialogue on GoB policy and related Act revision affecting the input subsectors represented by each association.

1.2 Trainings/Seminars/National and International Study Tours

In this quarter sound progress was made in conducting retailers' training by AIP partner companies and (a 3rd party contractor) GMark. Training in 3 basic subjects is required of all retailers in order to receive AIRN Accredited membership status. The basic trainings are taught to retailers either by companies' Master Trainers, or by GMark. Following the introduction of nutrition as a subject included in the training of female retailers, it was decided to add it as a further subject in the training of all retailers. Through the end of the Quarter, two potential female retailers' also took part in three course trainings.

Domestic study tours advanced strongly in the Quarter, and AIP did all preparatory work for AIRN's first international study tour to be conducted in the middle of Q4. All study tours serve to realize pre-defined learning objectives, and encourage AIRN member participants to recognize quality inputs, and strengthen the notion of AIRN as their own.

Domestic Study Tours

AIP conducted a 2nd domestic study tour for AIRN Ad-Hoc committee representatives

over 4-7 May. 12 AIRN member representatives from Barisal, Bakergonj, Jhalukhati, Wazirpur, Faridpur, Jessore and Khulna participated. The AIP Senior Training Advisor and one AIRN Field Officer (FO) from Jessore accompanied the tour. The team visited the District Nursery *Unnoyan Songhta* (one of the sustainable associations backstopped by Swiss Intercooperation) in Pabna. The objectives of the tour were to observe best business management practices, and learn the association's

AIRN Kicks Off Its First Study Tour

AIRN organized its first study tour to visit the District Nursery Unnoyan Songhta (DNUS), in Pabna on March 3-5, 2014. The objective involved observing and learning about the association-formation process and best business management practices. Eight agro-input retailers (AIRN ad-hoc committee representatives) participated, including two retailers from Barisal, four from Khulna and two from Jessore. Along with the retailers, Md. Moksed Ali (AIRN Coordinator), Mehedi Hassan, Syed Mahmudul Huq, and Hasan Zahir Ruhin from AIP-CNFA participated.

The ad-hoc committee members viewed and discussed steps to establish and run an association successfully. After the study tour, the ad-hoc committee representatives devised an action plan to strengthen the AIRN. Participants concluded that the most important outcomes of the action plan include sharing the lessons to other members, emphasizing the need to increase membership, calling regular monthly meetings to strengthen the association, and promoting the AIRN logo. This study tour, which will be one of many that AIRN members will be able to attend, was a constructive experience that brought to light key points on how to run an association successfully.

development process, functions, and governance. The visit was effective and useful for the AIRN members, as well as cost-effective. After the visit the AIRN Study Tour, participants developed an action plan and have proceeded accordingly.

AIP organized a 3rd domestic study tour for AIRN Ad-Hoc committee representatives from 2-4 June. The tour took place at the Lal Teer Plant and Research & Development Farm, in Joydevpur, Gazipur. 12 AIRN member representatives from Jessore, Khulna,

Faridpur, Barisal, Jhalukhati, and Patuakhali participated. The objectives of the study tour were to observe quality control systems such as those in the seed processing center, bio-technology and hybrid lines' testing and hybrid testing, seed moisture control, germination testing, drying, grading, packaging,, commercial research, and greenhouse operation. Participants also learned of seed product development and seed treatment, procuring and marketing systems, and the company's innovative bar code procedures. As a component of the tour, the participants committed to share what they had learned with other AIRN members in up-coming monthly Ad Hoc committee meetings. They recommended an additional two study tours to other agro-inputs companies for other AIRN members. The AIP Senior Training Advisor and 1 AIRN Field Officer from Khulna accompanied the tour. Neither AIP nor AIRN promotes Lal Teer or its products so rather the purpose was to view factors that feature in recognizing quality inputs.

International Study Tour

The main aim of the first AIP/AIRN international study tour is to increase the capacity of retailers to manage their business profitably, ethically, and on scientifically-based grounds. A secondary aim is to expose agro-input industry leaders to state of the art regional developments in agricultural inputs.

The Specific Learning Objectives of the Tour are:

- To gain knowledge of international best practices in the agricultural inputs sector through a physical visit to input suppliers and retailers;
- To gain a more complete comprehension of the retailer/dealer business association/network development process, and association/network good governance practices and effective operations;
- To analyze company/country quality control systems and practices (such as the seed processing centre(s), bio-technology, seed moisture, germination testing, hybrid testing, commercial research, green house, etc).

A possible venue has been identified in India, featuring the Agro Tech India Fair 2014 in Bangalore, India. In addition to this, venues have been selected to view quality producers and processes of agro-inputs, industry associations and their governance, and ICRISAT's seed production technologies. A host service provider has been identified, and budget and tour itinerary prepared. A total of 14 participants have been pre-selected: 8 AIRN representatives, 1 from BSA, 1 from BCPA, 1 from BFA, 2 from AIRN staff, and 1 AIP staff as tour leader. The timing of this tour is particularly opportune as AIP is poised to begin formal AIRN organization at the national level, and member post-tour activities will provide a strong emphasis on input quality recognition; this coincides with AIP's forthcoming media campaign on the same subject.

1.2.1 Development of Training Modules

GMark Consulting Limited developed modules for three days of retailers' training. Included are four aspects of training. These focus on agri-business management and business ethics, generic agronomic use of inputs, safe and judicious use of pesticides,

and nutrition education through promotion of high-density nutritious crops. AIP added two small and important topics: the “what and why” of AIRN membership, and environmental safety procedures at the retail shop. AIP engaged a high-profile group of consultants to review the GMark module and develop a four day schedule. This includes a trainers’ session plan, pre and post testing, hand-outs, and participatory methodologies. The consultant pool used these modules in the training of GMark Master Trainers.

1.2.2 Master Trainers’ Selection, TOT, and Trainings

Using outputs from 1.2.1 (above) AIP organized a 4-day Training of Trainers (ToT) on *Krishi Upakoron Satik Bebohar O Bikroy Bishok* (Appropriate Use and Sales of Agricultural Inputs). 17 participants attended: 6 AIRN FOs, representatives of GMark, staff from the USAID supported project *Nobo Jibon*, and staff from the USAID Agricultural Extension Project. A key objective of the course was to improve the capacity of Master Trainer facilitation skills and delivery of technical subjects including business management, crop production technology, nutrition, and the safe use of pesticides.

GMark trained AIRN Associate Members in the 3-day *Krishi Upakoron Satik Babohar O Bikroy Bishok* training starting in April. GMark master trainers successfully conducted 4 batches in Barisal, Jessore, and Khulna. A total of 94 AIRN Associate member retailers (including 2 female (potential grantees and AIRN members) participated.

Bayer Crop Science completed two batches of 3-day retailer trainings in April and May to train 66 retailers.

Global Agrovet Limited started their 3-day retailer training in April, completing 4 batches to train 125 retailers.

Syngenta Bangladesh Limited completed their additional 5 batches of retailers’ training during April, conducted in the Syngenta Learning and Development Centre, Bogra, to train 175 retailers in the 3 days training.

Training on Environmental Compliance for the Capacity Building Service Group (CBSG) was held on 2 June. Six CBSG staff and management took part in the 2.5 hours of training. The same training for GMark’s Master Trainers was also held on 17 April; nine participants took part. Mr. Shakil Ahmed, AIP Environmental Specialist, designed and facilitated the training.

Map Depicting Training of Agro-Inputs Retailers

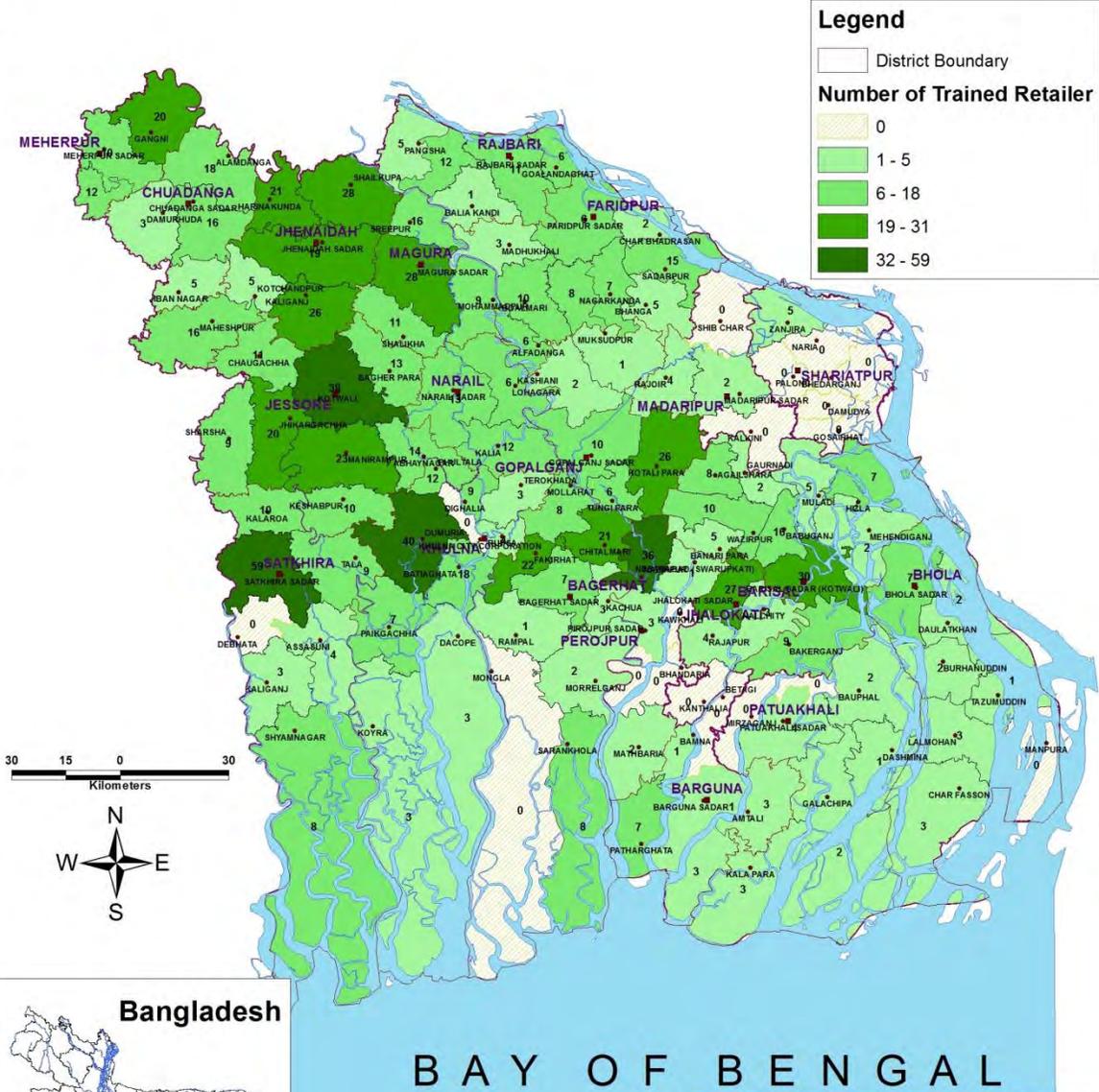


Agro-Inputs Project

CNFA and Inputs companies joint Retailers' Training

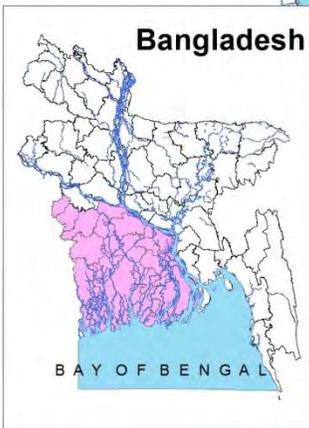
24°0'0"N
23°0'0"N
22°0'0"N
21°0'0"N

24°0'0"E
23°0'0"E
22°0'0"E
21°0'0"E



Legend

- District Boundary
- 0
- 1 - 5
- 6 - 18
- 19 - 31
- 32 - 59



BAY OF BENGAL

Company/ Consulting Firm	Total Trained as of 30 June 14
Bayer Crop Science	202
Global Agrovet Ltd	125
Lal Teer Seed Ltd	110
Syngenta Bangladesh	533
Sub Total=	970
Gmark	94
Grand Total=	1064

Total Batch = 33
Map:30 June 2014

89°0'0"E 90°0'0"E 91°0'0"E

1.3 Prepare and Distribute Brochures



The current AIRN brochure is being used rigorously during membership drives, field days, and trainings. Ideas, content, and layout for a revised AIRN brochure are being developed. The updated brochure will include more member services, color photos, and describe how AIRN is structured. A larger “run” will be printed due to the increased number of field events. AIP will also create direct and friendly messages derived from selected elements of the brochure for use in posters for retailers to

display in their shops. An augmented number of AIRN membership applications and certificates are being distributed due to the increased number of AIRN members. The AIRN Accredited member agreement form and AIRN code of conduct are also being printed in larger numbers to be used as trained retailers join the Network as Accredited members.

1.3.1 Branding and Marketing Campaign for AIRN

In Quarter 3 AIP assisted AIRN to develop its inaugural newsletter. Editions of the newsletter will be published quarterly and subscriptions will initially be provided without charge. The newsletter will offer readers an insight into AIRN members, membership drives, trainings, and other innovative AIRN developments in the field. The English edition of AIRN newsletters will be distributed to USAID, PNGOs and the development aid community, business associations, and other FTF projects in Bangladesh. The Bangla AIRN newsletters will be distributed to AIRN member retailers and to other Bangla readers. Both English and Bangla versions will also be available on the AIP website. More than 600 AIRN signboards have been constructed to distribute to AIRN accredited members.

A call for expressions of interest from multi-media advertising agencies was circulated in a local newspaper. The purpose is to vet agencies and weigh their suitability for launching and maintaining media campaigns to AIRN audiences (farmers, agro-Input retailers, the general public) in the southwest 20 districts of Bangladesh. Media campaigns will be conducted on multiple themes related to agricultural inputs (seeds, fertilizers, crop protection products and their safe use). Agencies were invited to submit their profiles and evidence of past successful campaigns. Short listing will be on the based on experience in the agriculture sector, experience in print, radio, TV, advanced electronic media in rural Bangladesh environments, and evidence-based results in reaching and influencing behavior in target



audiences.

1.3.2 Public Awareness Campaign for Proper Use of Seed, Fertilizer, and Pesticides



Sending out messages through AIS Community radio

AIP continues to transmit AIP/AIRN subject-related broadcasts through the Ministry of Agriculture's Agriculture Information System (AIS) Community Radio. Most recently the program focused on how to recognize quality seeds. Sardar Salahuddin, AIP Agro-Input Quality Control and Policy Advisor discussed how AIP is contributing to the supply of quality seed through its AIRN member retailers. Asadul Amin Dadan, General Secretary, Bangladesh Seed Association (BSA) spoke on how BSA will collaborate with AIRN to conduct field demonstrations of seed varieties and best production practices. The radio broadcasts have

been throughout the previous month. Talking points are being developed for future broadcast on the safe use of pesticides at the shop level and identifying quality fertilizer.

1.3.3 E-Books' Improvement

Against its brief to "update" AIS's e-books, AIP has coordinated with AIS to collect e-books that were previously inaccessible. The remaining e-books have been reviewed by an AIP staff committee which found them to be up to date, informative, and attractive due to their use of colorful pictures and videos. The e-books include information on fertilizer application, crop harvest, seed production process, irrigation, bacterial disease, crop storage, and the nutrient value of the crop. The communications team met with AIP website developer, Aamra Infotainment, to develop the best scheme to make the e-books available through the AIP website.

AIP is in the process of retaining consultants to assist in updating the e-books and in the development of new ones. For example, an e-book on seed will describe how best to determine quality seed -- especially vegetables, grain, and green legume seed. A second e-book will be on how to determine the appropriate and quality crop protection products/pesticides and their proper use. A third e-book will be on how to determine quality fertilizers, including micro-nutrients.

Intervention 2: Market Information Systems

2.1 Analysis and Distribution of Ag-Inputs Monthly Price Outlook Bulletin

The AIRN Supply Chain Advisor (ASCA) has conducted a study at the FTF zone to identify the major agro-inputs (anticipated to be approximately 60) and input supply companies. The major, i.e. most traded, agro-inputs will be the base against which prices and trends will be distributed to AIRN member retailers in the Monthly Price Outlook Bulletins. The methods of the study included Focus Group Discussions (FGDs),

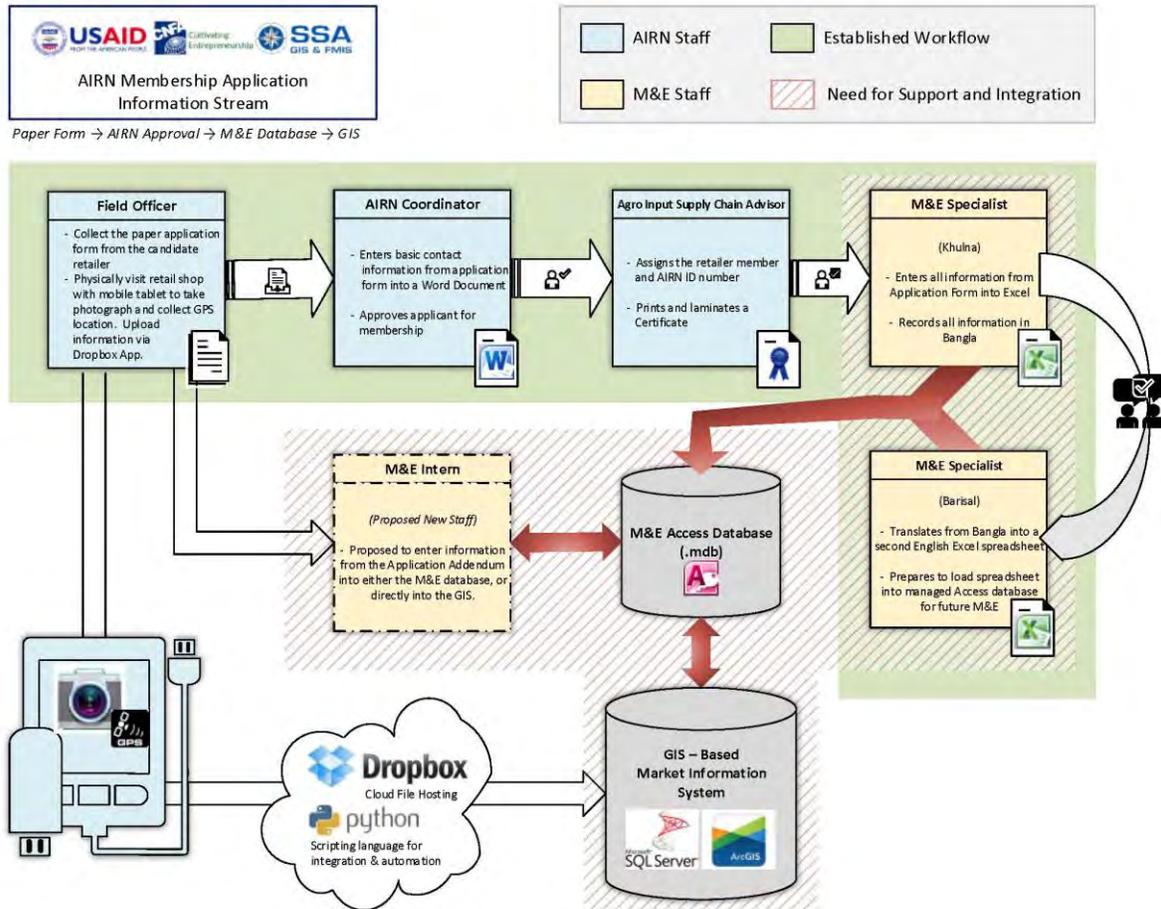
Key Informant Interviews (KII), and a sample survey. Sixteen sessions of FGD, with participation of 192 AIRN ad-hoc committee members, were conducted in the different parts of FTF zone. Moreover, 84 dealers, wholesalers, government and non-government officials, and other stakeholders were interviewed.

In July, as soon as feasible after collection and compilation of data, two validation workshops will be organized to form a final list of mostly traded agro-inputs. After which AIRN Field Officers' workflow will be adjusted to allow for their gathering of prices of the identified major products from wholesalers/ dealers. The publication of the Monthly Price Outlook Bulletin will be distributed among AIRN members. AIP aims for the first Bulletin to be issued in Q4.

2.1.1 GIS Development

GIS development activities in Q3 comprised work both in Khulna and in the subcontractor's (Spatial Systems Associates) base in the USA. Key to the big push in Q3 was an STTA of Spatial Systems to Bangladesh (April 1 – May 6). Several key tasks were accomplished, described below

AIRN Field Officers were trained on using a new AIRN member retailer point-data collection procedure using geo-tagged photo software and the web-based file exchange program, Dropbox. An important revision of the workflow for entering in AIRN member retailers' point-data was established, that will save much time in future. This simple measure has most data collected at the time one joins as an Associate AIRN member. The use of a form at joining, plus snapping the geo-tagged shop photo, will now enable a complete point data for each member retailer. With limited Field Officers (this is being redressed in Q4), and from mid-May to June 30, 75 AIRN members have been uploaded into the system. This rate will increase sharply in Q4. See the picture below for the work flow envisioned across AIRN staff for inputs and outputs of the web-based MIS-GIS system.



STTA brought a one year licence of the newly released ArcGIS 10.2.1 and installed it in the GIS Specialist’s laptop for desktop based GIS data analysis.

An important achievement in Q3 was the acquisition of most recent roads and administrative boundary dataset from the World Food Program (WFP) through USAID. This will be used as a base-map (“demand side” to the MIS) dataset, along with cropping patterns, and population density.

One briefing session with Spatial Systems took place with the AOR and USAID GIS point staff about the MIS-GIS’s present development and constraints, and delivery by Spatial Systems of the acquired base-map datasets on DVD to USAID.

Khulna-Based Outputs in Quarter 3:

The most significant Khulna-based effort and time during the engagement was the investigation of available updated and most recent population dataset. From the Bangladesh Population and Housing Census 2011, Bangladesh Bureau of Statistics, a painstaking and lengthy process was completed in which population distribution data

was mined out (of downloaded PDF files) at the Union and *Upazilla* levels. These were then geo-coded and uploaded.

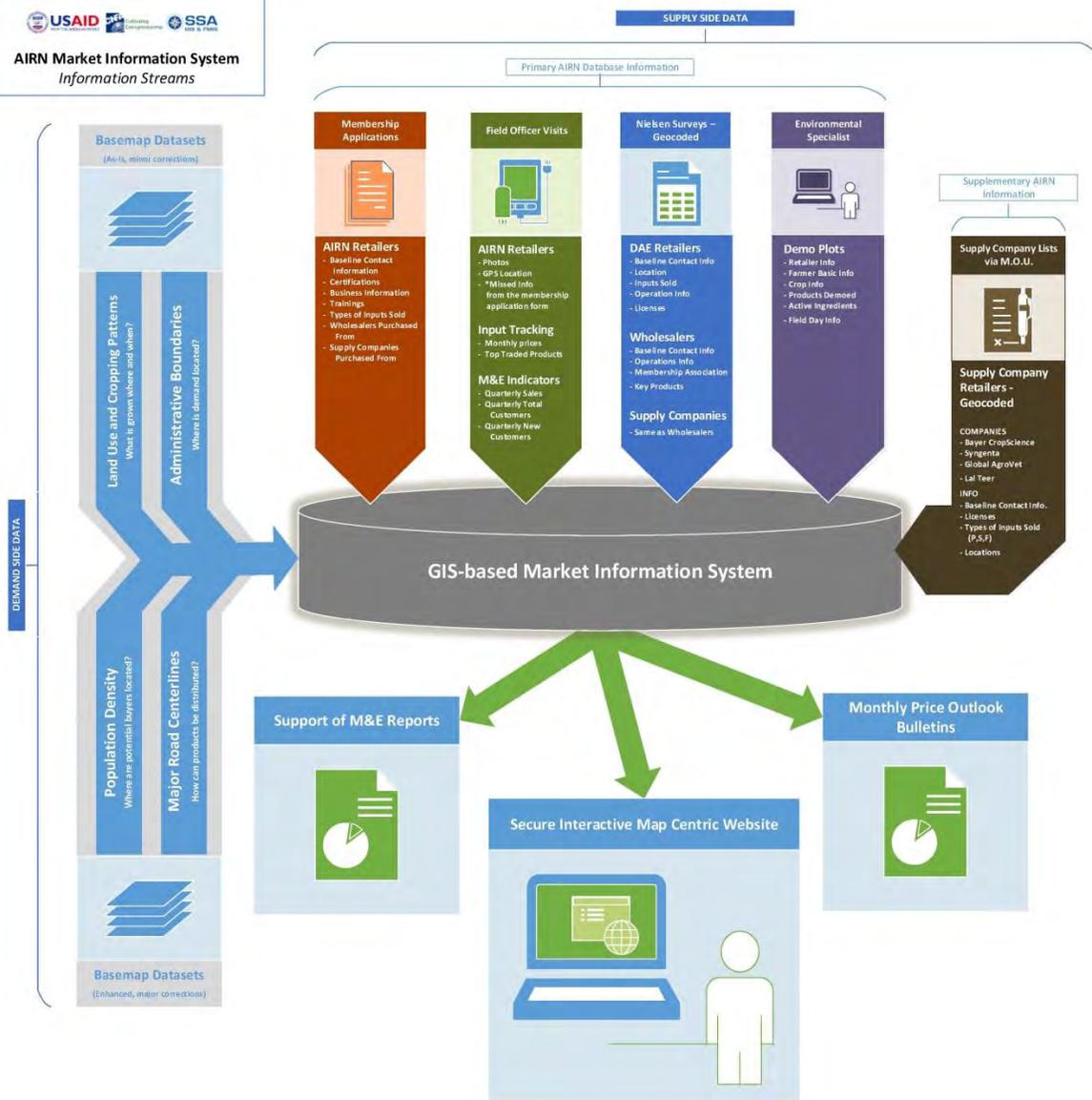
The GIS Specialist worked closely with the Environment team to collect locational data of demo plots, generate GIS files of demo plots' attributes (e.g. crop, product demonstrated, and other).

USA- Based Outputs in Quarter 3:

In Q3 AIP's sub-implementer Spatial Systems Associates worked on web development and correcting the collected updated baseline dataset (roads' center lines) acquired from WFP through USAID. Spatial Systems Associates also:

- Introduced the workflow and system for geo-tagged photos into Dropbox to collect AIRN member retailers' GPS data embedded in a photo, with instant uploading;
- Developed the new data collection workflow centered around membership drives and information collected in AIRN member-retailer application forms;
- Developed the new Java script-based Graphical User Interface (GUI) platform for viewing on the web-based MIS-GIS;
- Geo coded the remaining retailer point data acquired from companies with whom AIP has MOUs.

The web-based MIS-GIS is expected to be launched in Q4. Spatial Systems plans to field another STTA to aid in its launching, develop a user manual, and explain the systems' use to different audiences. The general work flow was designed in Q3, and is represented below.



2.2 Agricultural Exhibitions

A third party contractor, LIMRA Trade Fairs & Exhibitions (Pvt) Ltd, was negotiated with throughout the first half of the quarter, and has been selected to assist AIP in managing and organizing the first AIRN Agricultural Fair Ag-Fair. LIMRA has designed and implemented numerous trade fairs in Dhaka and outside of Dhaka. LIMRA is well experienced with bringing in both Bangladeshi and foreign company participants, and has closely monitored their fairs, learning many lessons that will be leveraged. CNFA crafted through negotiation a cost reimbursement contract with LIMRA. LIMRA will prepare and advertise for, secure participants, manage invitations, manage participants' and fees' and remittances' collection, fair infrastructure setting up and taking down, fair safety and security, and associated activities to implement the AIRN Agricultural Fair in the month of December, 2014 in Jessore Sadar, Jessore District.

2.3 Collaborative Demonstration Plots with Other FTF Programs

Initiatives have been taken for possible collaboration in establishing demonstration plots and field days with other FTF programs. Separate and joint series of meetings have been conducted over May and June with the Agriculture Extension (AESAP) and with the Agriculture Value Chain project. Jointly implemented demonstration plots of crops and their quality inputs was the key subject discussed. All parties confirmed the possibility of formal collaboration with AIP through partnership with those companies with whom AIP has entered into MOUs with. AIP would also conduct necessary environmental due diligence procedures. In the upcoming Q4 more meetings will be conducted to finalize the elements of MoU(s), number of demonstration plots, crops and inputs to be demonstrated, geographical coverage, AIRN members' location and AESAP thematic (value chain) groups' location. The AVC would finalize the attributes it wants of specialized crops before working further with AIP. At issue is identifying the appropriate quality inputs, particularly seed. For example in AVC's tomato value chain, AVC foresees the need for better (than generic "Roma") varieties for table tomatoes, and separately, the need for better tomato varieties for industrial processing.

2.3.1 Identification of Collaborators and Plots

Demonstration plots are a tool to display the benefits of, and induce demand for, high-quality agricultural inputs for the production of selected crops. Demonstrations display the appropriate inputs' application practices, taking into account farmers' net return, health and safety, and impact on the environment. Demonstrations strengthen linkages between farmers and AIRN member retailers – who sell the products being demonstrated – is the demand-creation strategy for AIRN member retailers to advise farmers on the benefits of quality products.

Three partner companies, i.e. Syngenta, Bayer CropScience, and Lal Teer, established with AIP 112 plots in the Quarter; 48 more will be established in Q4. After assessment of environmental compliance of 208 plots, 48 were not accepted by AIP on environmental grounds, and 112 were set up in acceptable locations. Accordingly signboards containing the AIRN logo have been distributed for branding the plots. See map below that gives detail on each evaluated demo plot.

Map Depicting Demonstration Plots

89°0'0"E

90°0'0"E

91°0'0"E



Agro-Inputs Project Demo Plots by Crop and Trained Retailers by Company



24°0'0"N

24°0'0"N

23°0'0"N

23°0'0"N

22°0'0"N

22°0'0"N

21°0'0"N

21°0'0"N



Legend

Crop Name

- ▲ Cucumber
- ▲ Bean
- ▲ Bitter gourd
- ▲ Bottle gourd
- ▲ Brinjal
- ▲ Cabbage
- ▲ Cauliflower
- ▲ Chilli
- ▲ Cucumber
- ▲ Mung bean
- ▲ Okra
- ▲ Papaya
- ▲ Pointed gourd
- ▲ Pumpkin
- ▲ Rice
- ▲ Ridge gourd
- ▲ Snake gourd
- ▲ Sponge gourd
- ▲ Tomato
- ▲ Wax Gourd

Number of Trained Retailer

- 0
- 1 - 5
- 6 - 18
- 19 - 31
- 32 - 59

Name of Company	No. of Allowed Demo Plot
Bayer Crop Science	56
Lal Teer Seed Ltd	50
Syngenta	54
Total=	160

Total Batch = 33

Map: 30 June 2014

Company/ Consulting Firm	Total Trained as of 30 June 14
Bayer Crop Science	202
Global Agrovet Ltd	125
Lal Teer Seed Ltd	110
Syngenta Bangladesh	533
Sub Total=	970
Gmark	94
Grand Total=	1064

89°0'0"E

90°0'0"E

91°0'0"E

2.3.2 Field Days

Field Days linked with demonstration plots that utilize quality inputs have been launched in the Quarter. The strategy of Field Days (3 Field Days in each demo) is that customers, once convinced of the profitability and effectiveness of the inputs and techniques used in plots, can purchase input supplies from retailers most proximate to their farms.

Three crop-growth cycle stages within Field Days for each demo plot were planned by AIP and the partner companies at:

- 1) Demo setup and sowing or transplanting,
- 2) Mid-growth vegetative stage, and
- 3) Final harvest stage.

In Q3 Syngenta completed a total of 30 field days: 10 field days at each of the 3 stages for 10 demonstration plots; Lal Teer completed 38 first stage field days consistent with the 38 planned for the quarter; Bayer CropScience completed 7 first stage field days within the 23 planned for the quarter. The AIP Environmental team started selectively monitoring Field Days and will continue to do so in the next quarter and thereafter as necessary. The aim is to monitor companies' compliance with environmental safety, and to educate farmer and retailer audiences on safe application of pesticides.

2.3.3 Demonstrations to Promote High Value Nutritious Crops and Technologies

To promote high-value nutritious crops and technologies, AIP will establish specialized demonstration plots with both male and female AIRN member retailers in collaboration with other Feed the Future (FTF) partners. Discussions (see 2.3) are underway with two FTF projects, AESAP and AVC. AIP is targeting 300 women-owned agro-input retailers, who will be assisted in shop creation through matching grants, to demonstrate particularly nutritious crops. The Gender Specialist in collaboration with a nutrition consultant, began at Q3's end assembling a documented and dedicated list of nutritious crops across vegetables, potato, sweet potato, and pulses.

Intervention 3: Quality Control and Standards and Regulatory Constraints

3.1 Adherence to Industry Standards

The Bangladesh Ministry of Agriculture (MoA) through its Seed Wing has taken an initiative to update its Seed Health Standards for Potato, Wheat, Rice, and Jute, which are notified crops. The Seed Health Standards Committee is also analyzing the seed supply situation and anticipating the impact of imposing additional seed health standards. AIP as an active and continuing member of the Committee is extending logistic and intellectual support for its meetings. AIP has requested the Seed Wing of Ministry of Agriculture to set a firm date for the Committee's next meeting which has been delayed inordinately – partially due to the illness of the Committee's Chair.

The Committee also continues its analysis of the extent of damage and financial implications caused by the infestation of diseases and will determine parameters to

standardize seed health criteria of the crops (see below). The name of the diseases and the pathogen causing quality deterioration are also noted.

Crop	Seed-borne disease identified	Causal organism	Seed health standards (Parameter)
Rice	Bakanae	<i>Fusarium moniliforme</i>	Yet to be finalized
Wheat	Leaf blight	<i>Bipolaris sorokiniana</i>	“
Jute	Stem rot	<i>Macrofomona fhaseolina</i>	“
Potato	Bacterial wilt/Brown rot.	<i>Ralastonia solanacearum</i> (<i>Pseudomonas solanacearum</i>)	“
	Blackleg/Seed tuber soft rot	<i>Erwinia cartovora</i> subsp. <i>atroseptica</i>	“
	Scab	<i>Streptomyces scabies</i>	“

3.2 Certification and Business Ethics

The AIRN Coordinator continued his efforts on organizing and directing the AIRN membership drive during the Quarter. As reported in 1.1.5, at the end of the Quarter, 23 AIRN Upazilla ad-hoc committees with a total of 582 AIRN members have been formed. AIRN is in process of hiring an additional 20 FOs to be on board by mid to late August. These AIRN field staff numbers will further facilitate AIRN growth to a point sufficient, as reported in 1.1.4, for Founding Member selection and AIRN organization, including formation of the Business Ethics Committee.

3.2a AIRN Certification

As discussed in 1.1.4, and as reported in Q2, the use of the *Astha* certification has been suspended and new AIRN membership terminology adopted. An Associate member will receive a certificate of membership, while the Accredited member will receive and display the AIRN logo and placard indicating to the public that the retailer is familiar with agricultural inputs safe and proper storage and handling, is selling only quality inputs, coupled with the provision of advice on best agronomic practices and proper and safe use of inputs. Through the end of Q3, 143 AIRN members have been “certified” as Accredited members.

3.2b AIRN Business Ethics Committee

The AIP Cooperative Agreement provides that the AIRN Business Ethics Committee is to “determine the business ethics necessary for AIRN membership.” Among its other responsibilities, the BEC is to oversee/supervise the annual audits of AIRN members to assure they maintain proper quality control and ethical business standards. To conduct these audits the Committee will retain the services of an independent auditor.

BSA and BCPA have been invited to participate as members of the Business Ethics Committee (see 1.1.9.2). A similar invitation will be extended to BFA during a meeting

to be conducted during Quarter 4. The purpose of that meeting will be to discuss the OCA/OCD process and other subjects included in the BSA and BCPA draft MOUs.

Representation by the Department of Extension (DEA) of the Ministry of Agriculture (MoA) and identification of an appropriate farmer's organization to provide a representative to the BEC remains a work in progress. Identification of male and female retailer representatives awaits additional *Upazilla* membership development and assistance of AIP's female-led Partner Non-Government Organizations (PNGO) in grant making to create female operated retailerships.

Formation and the initial meeting of the BEC will follow the selection of the founding members and organization of AIRN at the national level.

3.3 Monitoring

As part of the AIRN membership service, AIRN began activities in late Q3 for setting up a Call Center in Khulna for reporting of poor quality agro-inputs in the FTF zone. AIP will respond to patterns of "bad" products that are reported to the Call Center, by first analyzing patterns of reportedly "bad" products, and then approaching the concerned companies. The Call Center will be run by an 'AIRN Call Center Officer and Data Processor'. AIRN Call Center Officer and Data Processor will report to the AIRN Supply Chain Advisor (ASCA). SoW for recruiting an AIRN Call Center Officer and Data Processor was developed, and advertisement published. The recruitment process will be completed by mid-August 2014. AIP is also on the process of purchasing infrastructure and technical facility for setting up the Call Center. The Call Center is expected to be in full operation by the end of Quarter 4 of Year 2.

3.4 Coordination on Policy, Legal, and Regulatory Constraints

AIP succeeded in advancing a strong private sector voice to the GoB towards a revised Seed Policy. AIP orchestrated the participation of private seed companies through the Bangladesh Seed Association (BSA), through directing analyses of external consultants, directed a working group in a structured process, and chairing plenary meetings - that ultimately yielded Seed Policy revision recommendations. BPRSSP attended the plenary discussion and comment collating meetings as an observer. The final BSA comments and recommendations were presented to the Director General Seed of MoA by the President of BSA, accompanied by the SCBA, Agro-Input Quality Control & Policy Advisor, and Chief of Party.

An outgrowth of the Seed Policy revision process that was many actors correctly pointing out that *implementation* of (even good) policy by GoB is often the most limiting. This limitation suggests a re-think on roles of policy implementation that *could* be shared – and defined afresh – between the public and private sectors. AIP offered to further analytical work and build a consensual voice in the private sector to this end. As a start, AIP has undertaken a "mapping" of the Seed Regulatory Framework. "Mapping" will set forth and compare that which exists in the official world to regulate seed sector activity, with what is actually happening in the practical world. A local STTA has been engaged to conduct the analysis and to suggest steps to be taken to overcome

impediments that hinder the availability of quality seed. Once the mapping is complete, AIP will facilitate further meetings of BSA and private sector seed companies to consider obstacles and actions to recommend to the public and private sectors to rectify deficiencies.

Intervention 4: Strengthening Local Organizations

4.1 Organizational Capacity Assessment

OCA and OCD was begun in Quarter 3 with BSA. Upon agreement of an MOU OCA/OCD will be undertaken with BCPA in Quarter 4. BFA will follow in Q1 Y3. (see 1.1.9.2 for discussion of draft MOUs with BSA and BCPA providing for the assessment and development process). Lessons learned from the BSA capacity assessment will be incorporated into the next two association assessments.

Following OCA with BSA, CBSG is currently in the process of formulating time-bound, association-specific OCD specific technical assistance action plans to provide management, financial accountability, procurement, and operational procedures, sufficient to comply with USAID pre-award standards. Included within each association's action plans will be recommended revisions and/or additions to its member services.

Discussions as to extending the OCA/OCD process have been conducted with AIP female-led Partner Non-Government Organizations during Quarter 2. Implementation of the OCA/OCD process with the 3 PNGOs will likely involve the OCA being simultaneously organized with all 3. Based on the outcomes of the OCA a determination will be made as to the level of OCD to be conducted. A necessary modification of the current agreement with CBSG will be made to provide for the PNGO OCA/OCD process.

4.2 Training Design

The OCA self-assessment process is intended to identify the sufficiency of each organization's existing processes and procedures – including those specifically required to meet the requisite USAID standards for potential direct implementation of future USAID awards. The OCA process will be structured to also assess both the adequacy and delivery of member services (see 1.1.9.2 and 4.1).

OCD training will be association-specific based upon the results of the assessment, and associated debriefing, analysis and organization capacity development planning workshops, and will be developed and conducted in collaboration with CNFA. Skill-based and applied training workshops will be conducted with a core group of each association.

As a result of meetings held during the Quarter, OCA was begun and completed with BSA. OCD with BSA is in process. A draft Memorandum of Understanding, inclusive of the OCA/OCD process has been prepared and submitted to BCPA.

Project Management, Mobilization, and Cross-Cutting Themes

1. Logistics

In Q3 AIP organized a Fire Safety and Management Awareness event for AIP staff in the Khulna office to prepare them for any unexpected emergency electrical or other fire situation. To ensure proper backstopping support to Programs, the Operations team conducted an analytically trouble-shooting meeting to build capacity of the team. One AIRN Field Officer faced a serious motorcycle road accident in Barisal and is presently on leave without pay to possibly rejoin later. A more comprehensive motorbikes users policy was implemented. AIP management decided to include one more bank signatory in both Barisal and Khulna offices to manage operational expenses more efficiently.

2. Staffing

The AIRN Supply Chain Advisor joined in Q3 to address the supply side of quality agro-inputs. Two AIRN Field Officers resigned, and were replaced and posted in Barisal and Faridpur. AIRN has developed a standard FO induction curriculum, and the AIRN Coordinator and other team members conducted this for new FOs. To achieve a multitude of AIRN-related field-based tasks, AIP decided to hire thirteen more FOs and one Deputy Coordinator for the AIRN team. AIP also published job advertisements for a Communications Director, an Agricultural Technical Communication Specialist, Grants Office, Finance Officer, Monitoring and Evaluation Manager, and AIRN Call Center Officer and Data Processor; all are expected to join the AIP/AIRN team in the upcoming quarter.

3. Sub-awards

Sub-awards' status in Q3 with four groups comprised (see table below):

- The working relationship with Spatial Systems Associations continued; Spatial fielded one STTA in Q3
- Capacity Development Service Group will engage in organizational capacity assessments and development of agro-inputs' business associations.
- Neilsen Bangladesh Ltd. will develop a Directory of Wholesalers and Companies.
- GMark will train AIRN member retailers in basic trainings so that they can achieve Accredited AIRN member status (note: private companies also train retailers separately for the same purpose).

Early in Q4, AIP anticipates awarding three more sub-recipient contracts. These include:

- Contracts to three PNGOs (AVAS, Ashroy Foundation, and *Banchte Shekha*) to assist in the implementation of matching grant-making to women to set up women-owned agro-inputs retailers. These contracts were submitted to USAID on June 10, Q3.
- LIMRA (a Bangladeshi event organizing company for assisting in setting up and running AIP's Agriculture Fair
- An Indian national, Mr Raj Kapoor, to organize and co-conduct AIRN's first international study tour

Sub-awardee	Contact details
1. Spatial Systems Associates	Larry Newman Spatial Systems Associates, Inc. 6345 Woodside Court Columbia, MD 21046 Suite 201 T: 410-423-1870 F: 410-423-1871 E-mail: info@spatialsys.com
2. Capacity Development Service Group	Obaidur Rahman , Chief Executive Capacity Building Service Group 6/1 Block B Lalmatia, Dhaka 1207 Bangladesh T: +880-181-19245-993 E-mail: cbsg_bd@yahoo.com
3. The Nielsen Company (Bangladesh) Ltd.	Anam Mahmud , Managing Director The Nielsen Company (Bangladesh) Ltd. House 70, Road 15-A Dhanmondi R/A, Dhaka 1209 Bangladesh T: +880-2-9125839 F: +880-2-8123394 E-mail: anam.mahmud@nielsen.com
4. GMark Consulting Ltd.	Md. Saifuddin Khaled , Chairman and CEO GMark Consulting Ltd. Suite 604, H#145, R#03, Block#A Niketan, Gulshan 1 Dhaka-1212, Bangladesh T: +880-2-8836775 Cell: +880-1713 094686 E-mail: info@gmarkbd.com ; Khaled@gmarkbd.com

4. Communications and Public Relations

Strategic discussions with USAID in June led to AIP's reforming its communications' emphases and team composition. A Communications Director will join the communication team to strategically lead a team of three: Director, and two communications specialists, one with strong agriculture science background. Job announcements and recruitment yielded excellent Director candidates, but lesser quality applications for "green" content writing. Interviews will be conducted in July of Q4. Strong emphasis will be directed to increased messaging and campaigns to farmers,

retailers, and the public at large in the FTF Zone on the recognition and advantages of quality agricultural inputs.

Other communications and public relations efforts for AIP and AIRN are successfully ongoing. AIP added more updates on current events, success stories, project photos, downloadable useful outputs, and promotional materials in its website. AIP has developed AIRN's first newsletter, which will be distributed to USAID, PNGOs, private companies, business associations, and its *Bangla* version to AIRN member retailers. The AIRN newsletter will be developed once every quarter. AIP will hire in Q4 a professional photographer to create a photo bank for AIP. These attractive photos will be used in brochures, posters, leaflets, e-books, success stories, and many more materials to depict the range and influence of AIP activities and quality agricultural inputs.

Repeated production of AIRN agreement forms and the AIRN signboard have been run, following the increasing joining of retailers into AIRN. Farmer questionnaires after their attending Demonstration Plots' Field Days enable AIRN and AIP to analyze Field Days' effectiveness, and share success.

AIP participated in a joint FTF collaboration meeting in late May in which AIP presented an overview of project interventions and successes to date. The objective of collaboration meetings is to identify opportunities for continued collaboration. External communications, women's empowerment, and information communication technology (ICT) were the focus of discussions among the project representatives. The Aquaculture for Income and Nutrition (AIN) Project, Ag Extension Project, and others showed interest in sending out joint messages through the Agricultural Information System (AIS) Community Radio. The AIP communications team volunteered to host specific communications collaboration meetings.

5. Gender

To reduce the gender gap between males and females in the agro-inputs retailing sector, capacity building is the basis and a prime purpose of AIRN. Q3 witnessed long strides in incorporating gender mainstreaming into retailers' trainings, and in joining the first existing female retailers into AIRN.

In Q3 two female agro-inputs retailers, Swapna Mondol in Khulna and Parvin Aziz in Jhenaidah, received training from GMark along with male retailers. Their presence created opportunities to mainstream gender into the learning process. During discussions they added value to exchanges regarding the opportunities and obstacles involved in enabling a business environment for females in the agro-inputs retailing sector. Ms. Parvin Aziz subsequently met all the criteria required to be an Accredited member of AIRN and earned the Network's logo for display in her shop. She is the first woman to receive it.

AIP has also included gender integration as an agenda item in each AIP/AIRN bi-monthly staff Review and Planning meeting aiming for gender diversity and equity to be

considered in all tasks of AIP's interventions. Gender is considered in the development of all AIP/AIRN communication materials, and issues related to the development of female agro-inputs retailers are being shared in AIRN membership drives, media briefings, and related ad-hoc committee formation meetings.

6. Matching grants

AIP finalized a Grants Manual (GM) in Q2 and submitted to USAID for review and comment – the GM, though a project deliverable does not require formal approval. Three related GM tools were simplified in Q3: matching grants eligibility criteria, matching grants application, and matching grants agreement form. These were also translated into *Bangla* for use in the field by PNGOs

7. Environment

In Q3 field evaluations of the environmental suitability of potential demonstration plots were accomplished throughout Q3. These are plots that demonstrate quality agro-inputs marketed by three collaborating companies (Syngenta, Bayer, *Lal Teer*) in the FTF Zone. The working bases of evaluations were the check lists and preform a of the approved AIP EDDR and PERSUAP. A total of 208 potential plots (Syngenta 60, Bayer 60, and *Lal Teer* 88) were painstakingly evaluated. Companies had not geo-coded their location and each had to be searched for and found in the field. Of the 208 evaluated, 160 were ultimately accepted: (Syngenta 54, Bayer 56, and *Lal Teer* 50). These plots' establishments are cost-shared with AIP. Note: AIP does not procure inputs in any instance; AIP's cost share went towards signage and other items, not the inputs themselves (these were provided by the companies).

The 48 rejected plots were rejected largely because they were too close to either human or livestock habitation (just a few cases), or too close to productive or consumptive water (the majority of cases). The bulk of rejected plots fell within the extreme SE Districts, where aquatic environments are much more in proximity to agriculture fields.

In connection with accepted Demos, Field Days' observation by the environmental team started in Q3, through close communication with the field level company representative in each case. The strategy of the environmental team is to attend at least one Field Day out of three of each accepted demonstration plots (160 to be attended out of 480 Field Days). During Field Days the Environmental team affirms the significance of the AIRN (Accredited member) logo in Agro inputs retailer shops, and the safe use of pesticides to the participating farmers and retailers.

In Q3 two training sessions regarding USAID Environmental Compliance, and of Environmental Safety of pesticides' storage and handling at the shop level, have been incorporated into the curriculum, and conducted during the TOT of Gmark's Master Trainers.

As per the obligation of AIP's EDDR Environmental Manual, a training session on CFR Reg-216 and its significance has also been conducted for the Capacity Building Service

Group (CBSG) - one of the sub awardees of AIP - to sensitize them about environmentally related pesticide issues.

Key Issues of Interest

Research & Technology

The key area of interest for the AIP is the ongoing creative application of a GIS system that will underpin a market information system (MIS). Good progress has been made to date; however, harnessing GIS to genuine full use to enable it to underpin an MIS is not a given blueprint. This will necessarily involve a creative path to make an integrated MIS-GIS useful as a strategic, decision making tool. As more is learned in the remainder of Year 2, its use – and link to issue Monthly Price Outlook Bulletins – will be both learned and applied.

Nutrition Integration

Activities to integrate nutrient-dense vegetables into demonstration plots, associated with women retailers will proceed after the first 105 (of 300) women retailers have begun to be established during Q4 in Year 2. AIP has begun to consult with a nutrition specialist, Ms. Shampa Barmon, who will help to generate rating lists of nutrition-dense

- vegetable crops,
- potato, including sweet potato, and
- pulses.

This definitive list will be used to develop demonstration plots with women retailers. Collaborative efforts with other FTF projects will also strengthen nutrition integration in both males' and female's agro-input retailer shops.

Global Climate Change Mitigation

No noteworthy activities to report from Q3.

Financial and Expenditure Summary

	<u>Total Budget</u>	<u>Budget FY 1</u>	<u>Expense FY 1</u>	<u>Budget FY 2</u>	<u>Expenses Q 3 FY 2</u>	<u>Expenses FY 2</u>	<u>FY 2 Balance</u>	<u>Project Balance</u>
1. Director Labor	\$3,100,466	\$659,068	\$464,768	\$683,753	\$179,895	\$561,691	\$122,062	\$2,074,007
Expatriate Labor	\$1,173,850	\$322,352	\$191,793	\$330,201	\$59,922	\$194,831	\$135,370	\$787,226
Local Labor	\$1,385,216	\$233,820	\$162,618	\$245,511	\$75,918	\$230,721	\$14,790	\$991,877
HQ Labor	\$378,795	\$68,552	\$42,804	\$71,980	\$38,633	\$63,700	\$8,280	\$272,291
Expatriate STTA	\$162,605	\$34,344	\$67,553	\$36,061	\$5,422	\$72,439	(\$36,378)	\$22,613
2. Fringe Benefits	\$1,176,622	\$242,216	\$135,504	\$251,528	\$68,715	\$171,629	\$79,899	\$869,489
3. Supplies and Equipment	\$961,174	\$282,069	\$146,051	\$155,040	\$29,052	\$93,719	\$61,321	\$721,404
4. Allowances	\$623,018	\$180,926	\$240,291	\$165,894	\$28,516	\$96,997	\$68,897	\$285,730
5. Travel and Per Diem	\$776,795	\$162,878	\$111,287	\$151,255	\$23,273	\$72,341	\$78,914	\$593,167
6. Other Direct Costs:	\$2,397,533	\$420,236	\$134,750	\$479,873	\$71,400	\$133,760	\$346,113	\$2,129,023
Rent and Utilities	\$238,708	\$43,200	\$81,105	\$47,880	\$33,370	\$76,209	(\$28,329)	\$81,394
Activity Costs	\$1,839,400	\$293,480	\$32,875	\$386,480	\$30,415	\$36,524	\$349,956	\$1,770,001
Communication Costs	\$224,394	\$48,800	\$15,802	\$40,740	\$5,791	\$17,756	\$22,984	\$190,836
Other Costs	\$95,031	\$34,756	\$4,967	\$4,773	\$1,823	\$3,271	\$1,502	\$86,793
7. Subcontracts/Agreements	\$2,095,277	\$596,416	\$168,525	\$530,107	\$58,539	\$169,646	\$360,461	\$1,757,106
Spatial Systems	\$615,277	\$317,416	\$168,525	\$69,107	\$49,814	\$144,112	(\$75,005)	\$302,640
Guarantee Facility	\$250,000	\$50,000	\$0	\$200,000	\$0	\$0	\$200,000	\$250,000
Grants to Agro-input Retailers	\$300,000	\$25,000	\$0	\$75,000	\$0	\$0	\$75,000	\$300,000
G-mark and BASC	\$180,000	\$54,000	\$0	\$36,000	\$8,725	\$10,761	\$25,239	\$169,239
Local Organizations	\$750,000	\$150,000	\$0	\$150,000	\$0	\$14,773	\$135,227	\$735,227
8. Indirect Cost	\$2,897,719	\$624,529	\$381,921	\$605,272	\$117,649	\$305,847	\$299,425	\$2,209,951
TOTAL	\$14,028,604	\$3,168,338	\$1,783,098	\$3,022,722	\$577,037	\$1,605,630	\$1,417,092	\$10,639,877
9. Cost share	\$300,000	\$25,000		\$50,000			\$50,000	\$300,000

Key Constraints

There were no significant constraints in Q3 of Year 2.

Summary of Key Activities for Next Quarter

AIRN membership will continue to make solid progress in Q4. AIRN membership drives are ambitiously planned to bring in another 400 Associate members, and AIRN membership drive events will take place in 14 new *Upazillas*- bringing the geographical coverage to 37 out of a targeted 90 *Upazillas*. It is expected that by the end of Q4 more than 150 trained retailers will be awarded Accredited membership status. The expanded AIRN field staff team, with 20 Field Officers, will be apportioned tasks on membership drives: the bulk of Field Officers will concentrate on the *Upazilla* based drives, and a dedicated team will move about all *Upazillas* in which retailers have already been trained, in order to advance them quickly to Accredited member status.

With its mandate to build training capacity within the private sector, AIP will establish an MOU with ACI – a major manufacturer and distributor of agro-inputs – and on the basis of the MOU will organize a TOT course on *Krishi Upakoron Satik Babohar O Bikroy Bishok* (the 3 basic training modules that must be taken to become an Accredited AIRN member). TOT training for ACI Master Trainers - together with giving the same training to new AIRN staff (FOs) is slated for August 2014. GMark's Master Trainers will continue to conduct the AIRN retailer training course on *Krishi Upakoron Satik Babohar O Bikroy Bishok* retailer training. The first batch in Q4 will be in Faridpur, 13-15 July. GMark will continue this effort in different AIP working areas, the training audiences being those retailers who are not in the supply chains of companies (who deliver the same training). AIP will organize its fourth domestic study tour for AIRN Ad-Hoc committee representatives to the ACI seed processing centre, Rangpur during 13-15 July. The aim is to view companies' internal quality control practices (and not to promote any given company's products) so that Ad-Hoc representatives can, in turn, share their learning with AIRN member retailers in their constituencies. The overall aim is that retailers know how to ask for, and recognize, quality products. AIP will send 14 participants (8 from AIRN members, 1 from BSA, 1 from BCPA, 1 from BFA, and 3 staff from AIRN, AIP) on a first international study tour to India 20-26 August.

Meetings with Ad Hoc Committees and members will be held to discuss the process to organize AIRN at the national level as well as that to be utilized in selecting representatives to serve as AIRN Founding Members. During Q4 AIRN will be legally registered.

BSA and BCPA have been invited to participate as members of the Business Ethics Committee (see 1.1.9.2). A similar invitation will be extended to BFA. Representatives of DAE, a farmer organization, and male and female retailers as members of the BEC will be sought during Q4. Formation and the initial meeting of the BEC will follow the selection of the founding members and organization of AIRN at the national level.

The early Q4, the first round of Demonstration Plots' mapping will be finished. This will coincide with the GIS Specialist imparting his part of an induction training of 14 new AIRN Field Officers. It will be important to follow up closely with FOs to reduce the error level of point location. As more AIRN member point data is collected. AIRN member point data in the new Java based user interface will be plotted and uploaded. This will go side-by-side with the finalization of geocoding the proprietary company data in the new user interface. As the Call Center is established the GIS Specialist will be involved in defining the workflow of field "complaints" mapping in order to visualize patterns of reportedly bad products. The results of the Directory of Wholesalers and Companies will be geo-coded and plotted, each point (like that of AIRM members') with its pull-down menu of attributes. AIRN retailers, Wholesalers, and Companies in sum will be the "supply" side of the MIS for general public use. Separately, those companies with whom AIP has MOUs will have proprietary passwords to see their own retailer data against the backdrop of everything else on the MIS. The MIS will be launched in Q4, as well as one of its main outputs, i.e. the Monthly Price Outlook Bulletin.

AIP and AIRN will continue airing pre-recorded radio programs through DAE's Agriculture Information Service to extend messaging on: AIRN's purpose and how to join, on the safer use of pesticides, and on the recognition of quality seed. The first AIRN Newsletter will be released by mid-quarter. The entire Communications Team will undergo re-vamping and strengthening, the aim being to more effectively and persistently target the FTF farmers, retailers, and public at large with messages through both print and electronic media on the recognition of quality agro-inputs.

The Environmental Team will continue to attend the Field Days of the 160 active Demonstration Plots. Training to new contractors (e.g. LIMRA, Partner NGOs) will take place at contract signing; this will use the curricula already developed in Q2 i.e. on CFR 216 and USAID Environmental Compliance. Data of new active ingredients of pesticides in Bangladesh will be collected from PPW-DAE for the yearly update of the allowed and rejected pesticides' active ingredients in the AIP PERSUAP. This update will be posted to the AIP website with links sent to other FTF stakeholders.

AIP's Year 3 Implementation Plan will be drafted in July and early August.

International Travel Plan for Next Quarter

AIP will likely field two international trips in Q4:

- 1.) A CNFA Headquarters visit by Ms Jessie Lowry, CNFA's Communications and Marketing Specialist in September for approximately two weeks. She will work with the new and expanded AIP Communications Team to bring consistency between AIP's messaging and USAID/CNFA standards.
- 2.) A follow up assignment by Mr. Stephen Sporik of Spatial Systems Associates. This is one of a series of trips within Spatial Systems' subaward. This visit to AIP will launch AIP's MIS-GIS system, build user manual(s), and explain the system's use to different audiences.

Name	Category	Purpose	Date(s)	Trip Number
Jessie Lowry	CNFA Headquarter's visit	Human resource development of AIP Communications Team	(approximately) September 1 – 9, 2014; alternatively early October, 2014	16
Stephen Sporik	STTA under subaward to Spatial Systems Associates	Further development and launching of MIS-GIS system.	(approximately) September 15 – October 14, 2014	(not included in AIP's allotted international trips)

International Travel to Date

Name	Type of Travel	Purpose of Trip	Approximate Timing	Travel No.
Year 1 (September 2012-September 2013)- Completed				
Eric Sedlacek	HQ	Project Start Up	Sep 24-Oct 12	1
Scott Arche	HQ	Project Start Up	Sep 24-Oct 12	2
Scott Arche	Relocation	Key Personnel Deployment	Oct 31, 2012	3
Mark Treacy	STTA	Year 1 Implementation Plan	Dec 23, 2012- Jan 30, 2013	4
Martin West	Relocation	Key Personnel Deployment	Jan 20, 2013	5
Ashley Sekyra	HQ	Implementation Plan, Gender, M&E, QPR	Jan 27-March 11, 2013	6
Martijn Hekman	STTA Travel	Supply Chain	March 16-April 3, 2013	7
Bruce S. Kernan	STTA Travel	EDDR	April 3-April 14, 2013	8
Mark Treacy	Relocation	Key Personnel Replacement Deployment	April 30-May 2, 2013	9
Russell Williams	STTA Travel	AIRN Features/ Business Plan	July 12- August 3, 2013	10
Alan Schroeder	STTA Travel	PERSUAP	July 13- August 2, 2013	11
Ashley Sekyra	HQ	Year 2 Implementation Plan, Gender	August 25- September 19, 2013	12
Babu Ramasamy	HQ	Operations and Compliance	July 11-July 16, 2013	13
Year 2- (October 1, 2014 to date)				
Russell Williams	Relocation	Key Personnel Replacement Deployment	October 31, 2013	14

Peter Dickrell	HQ	Program progress analysis	June 3 – 23, 2014	15
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Annex 1: Feed the Future indicators

The below table, Annex 1, presents only the FTF indicators, and none of the Custom indicators – these latter along with Cross Cutting Indicators, are reported in Annex 2, and the lower level output indicators presented in Annex 3.

#	Name of Indicator	Classifications	Unit of Measure	Disaggregated by		Baseline	Target and Achievement		
							Target Y 2	Achievement Y2 Q3	Achievement Cumulative (LOP)
1	Gross Margin per unit of land, kilogram, or animal of selected product (crops/animals/fisheries selected varieties by country) ¹	FTF Indicator # 4.5.4 (RiA)	US dollars per hectare	Type	Crop	TBD in Y2	TBD Y2	-	-
2.	Number of MSMEs, including farmers, receiving business development services from USG-assisted sources	FTF Indicator # 4.5.2-37 (S)	Number	Size :	Micro	0		460	1,064
					Small	0			
					Medium	0			
					Total	0	2,000	460	1,064
				MSME Type	Seed	0		1	1
					Fertilizer	0			
					Agro-Chemical	0			
					Mixed Variety	0		459	1,063
				Sex	Total	0	2,000	460	1,064
					Male	0		458	1,062
					Female	0		2	2
Total	0	2,000	460	1,064					
3.	Number of farmers and others who have applied new technologies or management practices as a result of USG assistance ²	FTF Indicators # 4.5.2-5 (RiA) (WOG)	Number of farmers	Type	New	0		-	-
					Continuing	0		-	-
					Total	0	171,500		
				Sex	Male	0		-	-
					Female	0		-	-
					Total	0	171,500		

¹ This as per M&E Plan PIRS p 28, can only be gauged at harvest of demonstration plots' *brinjal* (eggplant) crops. The (year 3) winter season demo plots will be the first opportunity. This will be done by a 3rd party.

² This will be gauged through a 3rd party assessment in the winter of year 3.

#	Name of Indicator	Classifications	Unit of Measure	Disaggregated by	Baseline	Target and Achievement					
						Target Y 2	Achievement Y2 Q3	Achievement Cumulative (LOP)			
4.	Number of Individuals who have received USG supported short-term agricultural sector productivity or food security training	FTF Indicators # 4.5.2-7 (RiA) (WOG)	Number	Type of individuals	Producers	0		1,523	1,523		
					People in government	0		-	-		
					People in private sector firms	0		29	83		
					People in civil society	0		4	4		
							Total	0	18,728	1,556	1,610
				Sex	Male	0		1,354	1,404		
					Female	0		202	206		
					Total	0	18,728	1,556	1,610		

Annex 2: Custom and cross cutting indicators

#	Name of Indicator	Classifications	Unit of Measure	Disaggregated by	Baseline	Target and Achievement			
						Target Y 2	Achievement Y2 Q3	Achievement Cumulative	
Custom indicators									
1	Total sales of quality inputs by certified retailers annually	Custom	US dollar	Sex of retailers	Male	0		90,545	104,149
					Female	0			
					Total	0	\$8.75 mil ³	90,545	104,149
2.	Number of farmers purchasing from certified retailers	Custom	Number of farmers	Sex of farmers	Male	0		4,561	5,231
					Female	0		06	13
					Total	0	TBD ⁴	4,567	5,244
3.	Number of Agro-Inputs Retailers in the Network	Custom	Number of retailers	Sex of retailers	Male	0		273	582
					Female	0			
					Total	0	2,000	273	582
				Type of retailers	Seed	0			
					Fertilizer	0			
					CPP	0		1	1
					Total	0		273	582
4	Number of AIRN retailers with increasing application and adoption of quality standards for agricultural inputs ⁵	Custom	Number of retailers and farmers	Sex of retailers	Male				
					Female				
					Total		TBD		
				Sex of farmers	Male				
					Female				
					Total				
				Type of standards	Seeds				
Fertilizer									
Total									

³ Yearly target value is projected and may require updating during M&E Plan revisions, and by seeing sales' trend by mid – year 3.

⁴ TBD was written during initial M&E Plan formulation and M&E Plan revision should place a numerical value.

⁵ This is to be performed by a 3rd party assessment. Sufficient number of Accredited AIRN members must be in the 1st assessment, i.e. baseline, and this number (of Accredited members) will be reached by winter, year 3.

#	Name of Indicator	Classifications	Unit of Measure	Disaggregated by		Baseline	Target and Achievement		
							Target Y 2	Achievement Y2 Q3	Achievement Cumulative
5	Number of retailers who adopted seal of quality (new)	Custom	Number of retailers	Sex of retailers	Male	0		138	143
					Female	0			
					Total	0	TBD	138	143
				Type of retailers	Seed	0		1	1
					Fertilizer	0			
					CPP	0		1	1
					Mixed variety	0		136	141
Total	0		138	143					
6.	Number of retailers who adopted seal of quality (on-going) ⁶	Custom	Number of retailers	Sex of retailers	Male	0			
					Female	0			
					Total	0	TBD		
				Type of retailers	Seed	0			
					Fertilizer	0			
					CPP	0			
					Mixed variety	0			
Total	0								
7.	Number of Policies/Regulations/Administrative Procedures in each of the following stages of development as a result of USG assistance in each case: Stage 1: Analyzed; Stage 2: Drafted and presented for public/stakeholder consultation	Custom (adapted FTF # 4.5-24)	Number of policy/regulation/administrative procedure	Sector	Seed	0		1 ⁷	1
					Fertilizer	0			
					CPP	0			
				Stage	Total	0	4	1	1
					Analyzed	0			
					Drafted	0			
Total	0								
Cross cutting indicators									
8.	Strengthened organizational capacities of related local organizations	Cross cutting (CC)	Percent	None		0	-	1 ⁸	1

⁶ This will be filled in after the first and subsequent 3rd party audits of Accredited AIRN members.

⁷ AIP successfully advanced GoB Seed Policy to Stage 3. Stage 1 was analyses; Stage 2 was public debate; Stage 3 was formal submission to GoB of a revised Seed Policy, itself containing 11 sections.

⁸ Organizational Capacity Assessment of the Bangladesh Seed Association yielded a 38% baseline against the 8 fields within USAID's financial pre-award criteria.

#	Name of Indicator	Classifications	Unit of Measure	Disaggregated by		Baseline	Target and Achievement		
							Target Y 2	Achievement Y2 Q3	Achievement Cumulative
9.	Collaborative initiatives increased	CC	No. of event	Partner	Category	0			
				Activity	Type 1	0			
					Type 2				
					Total		TBD		

Annex 3: Lower-level output indicators – Interventions 1 through 4

#	Interventions	Unit of measure	Targets and Achievements					Projected Targets		
			LOP Target	LOP Cumulative Achieved	Year 2 Target	Quarter 3 Achieved	Year 2 Cumulative Achieved	Year 3	Year 4	Year 5
1	Form Program Advisory Committee consisting of public and private stakeholders	# Committee	1	0	1	0	0	-	-	-
2	Organize Semi-Annual Meetings of Program Advisory Committee	# Meetings	8	0	2	0	0	2	2	2
3	Improved capacity of leading input industry associations (BSA, BFA, BCPA, and AIRN)	# Org.	4	2	2	2	2	2	-	-
4	Develop new member services	# Service	12	6	5	6	6	5	2	-
5	New business models introduced and adopted by input retailers	# Module	8	0	2	0	0	2	2	2
6	New business models introduced and adopted by input wholesalers	# Module	3	0		0	0	-	2	1
7	Provide Sub-Awards to Local Implementing Partners (1 US\$ = 76.33 BDT)	# Award	30	6	10	0	4	15	5	-
		Value (Tk.) of Award	57,247,500	2,100,214	-	0	454,438	-	-	-
8	Develop Specific Technical Assistance Package for All Local Organizations	# Package	1	0	1	0	0	-	-	-
9	Value of sub-awards provided to local implementing partners (1 US\$ = 76.33 BDT)	\$	750,000	27,515	-	0	5,954	-	-	-

#	Interventions	Unit of measure	Targets and Achievements					Projected Targets		
			LOP Target	LOP Cumulative Achieved	Year 2 Target	Quarter 3 Achieved	Year 2 Cumulative Achieved	Year 3	Year 4	Year 5
10	Provide TA to Develop Pre-Award Survey by Local Accounting Firm	# TA	1	0	1	0	0	-	-	-
11	Local Organizations Qualify to Implement USG-Funded Programming	# Org.	3	0		0	0	-	2	1
12	Develop new strategic partnerships with multinational and national companies	# Company	12	4	2	0	0	3	3	-
13	Organised demonstration plots	# Demo. Plot	500	112	300	112	112	150	50	
14	Develop new materials by the private sectors companies	# Material	9	0	2	0	0	3	2	2
15	Publish Ag-Input Monthly Price Outlooks	# Outlook	48	0	12	0	0	12	12	12
16	Facilitate annual exhibition	# Exhibition	5	0	2	0	0	1	1	1
		# FTF Partner								
		# New Product	100	0	25	0	0	25	25	25
		# Retailer Participate								
		Male								
		Female								
		# Wholesaler participated								
# National Company participated	80	0	20	0	0	20	20	20		

#	Interventions	Unit of measure	Targets and Achievements					Projected Targets		
			LOP Target	LOP Cumulative Achieved	Year 2 Target	Quarter 3 Achieved	Year 2 Cumulative Achieved	Year 3	Year 4	Year 5
		# Multi-National Company participate	20	0	5	0	0	5	5	5
		# Public Sector								
		# NGO Participate								
17	Conduct AIRN business, technical and safe use training sessions	# Session	160	33	105	15	25	47	-	-
18	Retailers attend business, safe use and technical training	# Retailer	3,000	1,064	2,000	460	777	712	-	-
19	Conduct regional and local study tour	# Tour	10	3	3	2	3	3	3	1
		# Retailer Participant	125	32	35	24	32	42	40	8
		Male		32		24	32			
		Female								
		Total		32		24	32			
		Other Stakeholders								
		1.								
		2.								
3.										

#	Interventions	Unit of measure	Targets and Achievements					Projected Targets		
			LOP Target	LOP Cumulative Achieved	Year 2 Target	Quarter 3 Achieved	Year 2 Cumulative Achieved	Year 3	Year 4	Year 5
		# FTF Partner Collaborated With								
20	Provide ToT on BMT to master trainers	# Person	7	31	7	9	9	-	-	-
		Male		26		6	6			
		Female		5		3	3			
21	Conduct 'Safe Use' training of trainer sessions for commercial trainer	# Person	7	31	7	9	9	-	-	-
		Male		26		6	6	-	-	-
		Female		5		3	3	-	-	-
22	Commercial trainers conduct training to AIRN, BSA, BFA, BCPA members	# Participant								
		AIRN	3,000	1,064	2,000	460	777	712	-	-
		BSA								
		BFA								
		BCPA								
23	Enhance of existing best practice materials and develop guides for key crops	# Crop	14	2	4	0	0	4	4	-
24	Develop new educational publications	# Publication	23	4	6	1	4	6	6	5
25	Results of demonstration trials results disseminated through radio and other media outlets	# Event	15	0	5	0	0	5	5	-
		# Events through radio								

#	Interventions	Unit of measure	Targets and Achievements					Projected Targets		
			LOP Target	LOP Cumulative Achieved	Year 2 Target	Quarter 3 Achieved	Year 2 Cumulative Achieved	Year 3	Year 4	Year 5
		# Events through print media								
		# Events through other media								
26	Creation AIRN logo	# Logo	1	2	0	0	0	-	-	-
27	Develop project brochure	#	1	10	-	1	8	-	-	-
28	Develop, adopt and monitor new input quality standards	# Standard	6	0	2	0	0	2	1	1
29	Identify Policy Constraints and present to the policy dialogue group	# Policy constraint (<u>Analysed</u>)	8	11	4	11	11	4	-	-
30	Conducted policy dialogue events by assisted associations with government officials	# Policy dialogue (<u>Drafted</u>)	32	9	8	5	9	8	8	8
		# FTF partner collaborated with								
31	Conduct village sessions on garnering support from families and neighbours for women retailers	# Session	300	0	50	0	0	180	70	-
		# Participant								
32	Conduct Gender assessment and Follow-up Gender Assessment	# Assessme	2	1		0	0	-	1	-
33	Utilize GPS to plot retailers assigning unique identification number	# Retailer	3,000	75	600	75	75	1,800	600	-

#	Interventions	Unit of measure	Targets and Achievements					Projected Targets		
			LOP Target	LOP Cumulative Achieved	Year 2 Target	Quarter 3 Achieved	Year 2 Cumulative Achieved	Year 3	Year 4	Year 5
34	Develop a directory of retailers	# Retailer	3,000	582	600	273	582	1,800	600	-
35	Provide matching grants (\$1,000) to women retailers	# Women retailer	300	0	50	0	0	180	70	-
		Amount (Tk) of AIP share ('000)	24,000	0	4,000	0	0	14,400	5,600	-
		Amount (Tk.) of grantee								
36	Create quality standards and business ethics monitoring committee	# Committe	1	0	0	0	0	-	-	-
37	Certification of retailers	# Retailer	3,000	582	600	273	582	1,800	600	-
38	Input companies participate in the Business ethics committee	# Company	3	0	0	0	0	-	-	-
39	Conduct audit annually by independent auditors on business ethics	# Audit	4	0	1	0	0	1	1	1
40	Retailers audited renewing certification each year	# Retailer	2,400	0	0	0	0	480	1,440	480

Annex 4: Demo Plots' location suitability evaluation as per EDDR

SI No.	AIP code	Name of the farmer	Upazila	District	Name of the Associated Retailer	Latitude, °N	Longitude, °E	Distance from nearby water body (m)	Distance from nearby household or livestock housing (m)	Active Ingredient	Pesticide Brand Name	Demo Crop Name	Suitability Evaluation Result
1	DSY001	Md. Montu Mia	Chuadanga Sadar	Chuadanga	Md. Mosarof Mia	23.54957	88.86647	N/A	500	Lamra Cyhalothrin	MN	Mung bean	Allowed
2	DSY002	Md. Santi Bishwas	Chuadanga Sadar	Chuadanga	Md. Amirul Islam	23.54891	88.87940	N/A	1500	Abamectin	Vermitec	Mung bean	Allowed
3	DSY003	Abdur Rahim	Jibonnagar	Chuadanga	Md. Shofiqul Islam	23.51499	88.88871	N/A	300	Lamda Cyhalothrin	MN	Mung bean	Allowed
4	DSY004	Md. Shamim Bishwas	Jibonnagar	Chuadanga	Md. Mahatab Manik	23.47425	88.85401	N/A	250	Abamectin	Vermitec	Mung bean	Allowed
5	DSY005	Md. Ohidur Rahman	Jibonnagar	Chuadanga	Md. Jahangir Alam	23.29715	88.74890	N/A	180	Abamectin	Vermitec	Mung bean	Allowed
6	DSY006	Md. Sajedul Islam	Chowgacha	Jessore	Md. Ali Akbar	23.26884	88.99615	N/A	140	Abamectin	Vermitec	Mung bean	Allowed
7	DSY007	Md. Hasanur Rahaman	Chowgacha	Jessore	Md. Ali Akbar	23.22889	88.95061	N/A	50	Lamda Cyhalothrin	MN	Mung bean	Allowed
8	DSY008	Abdul Alim	Chowgacha	Jessore	Md. Feroz hossen	23.29342	88.98376	N/A	300	Emamectin Benzoet	Proclaim	Mung bean	Allowed
9	DSY009	Md. Kabir uddin	Jhikorgacha	Jessore	Md. Shohidul islam	23.06338	89.09859	N/A	30	Emamectin Benzoet	Proclaim	Mung bean	Allowed/wc
10	DSY010	Md. Hafizur Rahaman	Jhikorgacha	Jessore	Md. Abdul Jalil	23.13152	89.10967	N/A	700	Emamectin Benzoet	Proclaim	Mung bean	Allowed
11	DSY011	Md.Khalilur Rahman	Horinakunda	Jhenaidah	Md.Tulu Mia	23.65144	89.06884	400	100	Azoxystrobin	AZ Top	Rice	Allowed
12	DSY012	Sree Susanta Gosh	Horinakunda	Jhenaidha	Md. Azizur Rahman	23.22073	89.38006	500	100	Sulphur	Thiovit	Rice	Allowed
13	DSY013	Md. Amirul Kha	Kaligang	Jhenaidha	Md.Aiub Khan	23.41138	89.24452	330	300	Azoxystrobin	AZ Top	Rice	Allowed
14	DSY014	Md. Kader Mondal	Kaligang	Jhenaidha	Md.Alimul Islam	23.41243	89.24459	220	230	Sulphur	Thiovit	Rice	Allowed
15	DSY015	Md. Abdul Hamid	Moheshpur	Jhenaidha	Md.Rekamul Islam	23.29742	88.84578	300	300	Azoxystrobin	AZ Top	Rice	Allowed
16	DSY016	Md. Elias Ali	Moheshpur	Jhenaidha	Md. Johurul Islam	23.28792	88.80913	150	80	Sulphur	Thiovit	Rice	Allowed
17	DSY017	Md. Sadek Ali	Jhenaidah Sadar	Jhenaidah	Md. Sohrab Hossain	23.5507	89.00691	300	70	Azoxystrobin	AZ Top	Rice	Allowed
18	DSY018	Md. Akkas Ali	Jhenaidah Sadar	Jhenaidah	Md. Mizanur Rahman	23.54202	89.21834	100	100	Azoxystrobin	AZ Top	Rice	Allowed
19	DSY019	Md. Simul Biswas	Kotchadpur	Magura	Sree Sanjay Kumar	23.40733	89.01953	20	25	Sulphur	Thiovit	Rice	Disallowed
20	DSY020	Md. Monnor Rahman	Sailokupa	Jhenaidah	Md. FayeZ Joarder	23.74599	89.20485	100	1000	Azoxystrobin	AZ Top	Rice	Allowed
21	DSY021	Badol Ray	Rupsa	Khulna	Md. Jalal Uddin	22.77275	89.60458	N/A	60	Sulphur	Thiovit	Rice	Allowed
22	DSY022	Wajet Ali	Jessor Sadar	Jessor	Aminuddin	23.10234	89.2485	30	500	Azoxystrobin	Thiovit	Rice	Allowed
23	DSY023	Sourav Mollah	Kesobpur	Jessor	Shamim Akter	22.85759	89.31959	30	70	Sulphur	Thiovit	Rice	Allowed
24	DSY024	Abdul Ohab	Digholia	Khulna	Sagor Molla	22.91366	89.52511	N/A	35	Azoxystrobin	AZ Top	Rice	Allowed
25	DSY025	Prosanto	Paikgasha	Khulna	Kamrul	22.60068	89.2616	5	1000	Sulphur	Thiovit	Rice	Disallowed
26	DSY026	Markony Sheikh	Botiaghata	Khulna	Abu sayed	22.69023	89.45559	45	50	Azoxystrobin	AZ Top	Rice	allowed
27	DSY027	Rhul Amin	Dumuria	Khulna	Ahsan Habib	22.81201	89.29216	35	40	Sulphur	Thiovit	Rice	allowed

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28	DSY028	Jahid Hossain	Batiaghata	Khulna	Mesfarul	22.70599	89.54987	N/A	60	Sulphur	Thiovit	Rice	Allowed
29	DSY029	Wajet Ali	Jessor Sadar	Jessor	Aminuddin	23.10187	89.24954	60	1000	Azoxystrobin	AZ Top	Rice	Allowed
30	DSY030	Sontosh Monol	Tala	Satkhira	Kumares Debnath	22.71748	89.28736	N/A	120	Azoxystrobin	AZ Top	Rice	Allowed
31	DSY031	Md. Kabirul Gaji	Jhikorgasha	Jessor	Abdul Latif	22.96418	89.00997	500	1000	Sulphur	Thiovit	Rice	Allowed
32	DSY032	Md. Abdul Ahab	Sarsha	Jessor	Md. Jamal Uddin	22.9622	88.90474	300	200	Azoxystrobin	AZ Top	Rice	Allowed
33	DSY033	Md. Iqbal Hossain	Sarsha	Jessor	Md. Tjul Islam	22.98952	88.96434	1000	1000	Sulphur	Thiovit	Rice	Allowed
34	DSY034	Md. Siddik Morol	Kaligong	Satkhira	Md. Mahabub	22.42763	89.10311	N/A	650	Sulphur	Thiovit	Rice	Allowed
35	DSY035	Osit Kumer	Satkhira	Satkhira	Md. Masud Alam	22.63075	89.13438	N/A	35	Azoxystrobin	AZ Top	Rice	Allowed
36	DSY036	Md. Sayem	Satkhira	Satkhira	Sree Orabinda	22.73565	89.02541	N/A	100	Sulphur	Thiovit	Rice	Allowed
37	DSY037	Abdul Mia	Satkhira	Satkhira	Sree Orabinda	22.77187	89.03064	N/A	50	Azoxystrobin	AZ Top	Rice	Allowed
38	DSY038	Md. Amjed	Tala	Satkhira	Sadai Sha	22.82165	89.13206	N/A	60	Sulphur	Thiovit	Rice	Allowed
39	DSY039	Md. Bablu Rahman	Kalaroa	Satkhira	Md. Golam Mostafa	22.91706	89.03978	N/A	70	Azoxystrobin	AZ Top	Rice	Allowed
40	DSY040	Sree Santos Kumar	Kalaroa	Satkhira	Md. Shafiqul	22.89652	88.96321	N/A	250	Sulphur	Thiovit	Rice	Allowed
41	DSY041	Md. Rabiul Mollah	Jessor Sadar	Jessor	Md. Jillur Rahman	23.10443	89.29857	400	1000	Azoxystrobin	AZ Top	Rice	Allowed
42	DSY042	Md. Jalal Ahmed	Jessor Sadar	Jessor	Md. Gias Uddin	23.20953	89.25063	500	800	Sulphur	Thiovit	Rice	Allowed
43	DSY043	Md. Sirajul Islam	Chowgacha	Jessor	Md. Sahabullah	23.2547	89.05849	100	70	Sulphur	Thiovit	Rice	Allowed
44	DSY044	Md. Emdadul Haq	Chowgacha	Jessor	Md. Kamrul Hossain	23.24582	89.08587	60	70	Sulphur	Thiovit	Rice	Allowed
45	DSY045	Md. Johirul Islam	Jhikorgasha	Jessor	Azadul Iftekhar Rasel	23.17836	89.00879	300	1000	Sulphur	Thiovit	Rice	Allowed
46	DSY046	Md. Abdul Aziz	Jhikorgasha	Jessor	Md. Abdul Wahab	23.18339	89.08477	100	60	Sulphur	Thiovit	Rice	Allowed
47	DSY047	Md. Liakot Ali	Monirampur	Jessor	Md. Rahim Reza	22.9351	89.09493	2	25	Azoxystrobin	AZ Top	Rice	Disallowed
48	DSY048	Md. Mosiar Rahman	Monirampur	Jessor	Md. Rafiqul Islam	22.9355	89.09586	10	2	Azoxystrobin	AZ Top	Rice	Disallowed
49	DSY049	Md. Samsur Rahman	Sarsha	Jessor	Abdul Mannan Kajol	23.07966	88.95251	5	2000	Sulphur	Thiovit	Rice	Disallowed
50	DSY050	Younus Ali	Sarsha	Jessor	Md. Borhan Uddin	23.17433	88.98065	1000	500	Azoxystrobin	AZ Top	Rice	Allowed
51	DSY051	Mohaddes Ali	Bagharpara	Jessor	Md. Jamal Uddin	23.22070	89.38008	200	2500	Azoxystrobin	AZ Top	Rice	Allowed
52	DSY052	Rawshan Ali	Bagharpara	Jessor	Mizanur Rahman	23.17883	89.3981	300	300	Sulphur	Thiovit	Rice	Allowed
53	DSY053	Gongadhor Biswas	Bagharpara	Jessor	Abdur Rashid Khakon	23.23055	89.39683	500	35	Azoxystrobin	AZ Top	Rice	Allowed
54	DSY054	Tapon Biswas	Salika	Magura	Bidhan	23.33033	89.39993	100	70	Azoxystrobin	AZ Top	Rice	Allowed
55	DSY055	Mannan Biswas	Bagharpara	Jessor	Johir Uddin	23.29118	89.26209	5	20	Azoxystrobin	AZ Top	Rice	Disallowed
56	DSY056	Masud SK.	Sreepur	Magura	Dipok Roy	23.61384	89.40772	300	200	Sulphur	Thiovit	Rice	Allowed
57	DSY057	Vorot Chandra	Magura Sadar	Magura	Makhanlal	23.53569	89.4121	1000	150	Sulphur	Thiovit	Rice	Allowed
58	DSY058	Joloi Mollah	Magura Sadar	Magura	Abu Taleb	23.43564	89.40823	40	70	Sulphur	Thiovit	Rice	Allowed
59	DSY059	Prolat Mozumder	Lohagora	Narail	Narayan Chandro	23.20477	89.60515	50	50	Azoxystrobin	AZ Top	Rice	Allowed
60	DSY060	Gonesh Biswas	Lohagora	Magura	Nurul Islam	23.20013	89.64036	40	80	Sulphur	Thiovit	Rice	Allowed
61	DBC001	Md. Monajat Ali	Damurhuda	Chuadanga	Jaynal Abedin	23.66729	88.74949	N/A	200	Flubendamide	Belt	Rice	Allowed
62	DBC002	Md. Soriful Miah	Chuadanga	Chuadanga	Rofikur Rahman	23.54518	88.86164	N/A	300	Tebuconazol	Foliclor	Rice	Allowed
63	DBC003	Md. Najmul Hosain	Alomdanga	Chuadanga	Somsher Ali	23.65248	88.97411	N/A	35	Flubendamide	Belt	Rice	Allowed

SI No.	AIP code	Name of the farmer	Upazila	District	Name of the Associated Retailer	Latitude, °N	Longitude, °E	Distance from nearby water body (m)	Distance from nearby household or livestock housing (m)	Active Ingredient	Pesticide Brand Name	Demo Crop Name	Suitability Evaluation Result
64	DBC004	Md. Tomijuddin	Chuadanga	Chuadanga	Mustafizur Rahman	23.59114	88.93346	N/A	20	Tebuconazol	Foliclor	Rice	Disallowed
65	DBC005	Md. Rup chand Ali	Meherpur	Meherpur	Kamrujjaman Samim	23.76558	88.60296	N/A	200	Fipronil	Ascend 3 GR	Rice	Allowed
66	DBC006	Md. Mofidul Islam	Alomdanga	Chuadanga	Ajjul Haque	23.80476	88.89725	N/A	1000	Imidacloprid	Confidor	Brinjal	Allowed
67	DBC007	Md. Kajol Hosain	Gangni	Meherpur	Saiful Islam	23.81228	88.72894	N/A	400	Flubendamide	Belt	Brinjal	Allowed
68	DBC008	Md. Banat Ali	Meherpur	Meherpur	M.A Bari	23.81855	88.68962	N/A	50	Imidacloprid	Confidor	Cabbage	Allowed
69	DBC009	Md. Asharaful Islam	Meherpur	Meherpur	Aktaruzzaman	23.80472	89.62983	N/A	243	Fipronil	Ascend 3 GR	Cauliflower	Allowed
70	DBC010	Md. Shahidul Islam	Shoilokupa	Jhenaidah	Alfaz Uddin	23.63847	89.2201	N/A	115	Imidacloprid	Confidor	Brinjal	Allowed
71	DBC011	Md. Dukhu Mia	Shoilokupa	Jhenaidah	Muktar Hossain	23.63899	22.22088	N/A	55	Fipronil	Ascend 3 GR	Brinjal	Allowed
72	DBC012	Md.Mofiz Uddin	Jhenaidah	Jhenaidah	Golam Rahman	23.457	89.06068	N/A	200	Imidacloprid	Confidor	Brinjal	Allowed
73	DBC013	Md.Masud Rana	Jhenaidah	Jhenaidah	Ashrafal Islam Manik	23.45706	89.06877	N/A	1000	Flubendamide	Belt	Brinjal	Allowed
74	DBC014	Md.Jolil Molla	Sripur	Magura	Azizar Rahman	23.5987	89.39509	N/A	500	Flubendamide	Belt	Brinjal	Allowed
75	DBC015	Md.Mintu Molla	Jhenaidah	Jhenaidah	Pannu Miah	23.51765	89.19768	N/A	35	Flubendamide	Belt	Rice	Allowed
76	DBC016	Md.Ali Hossain	Kaligonj	Jhenaidah	M.Kais	23.45807	89.06707	N/A	750	Flubendamide	Belt	Bean	Allowed
77	DBC017	Md.Kashem Gazi	Kaligonj	Jhenaidah	Kholilur Rahman	23.39994	89.23751	N/A	500	Imidacloprid	Confidor	Rice	Allowed
78	DBC018	Md.Hafizur Biswash	Kaligonj	Jhenaidah	Kholilur Rahman	23.41765	89.25301	N/A	500	Fipronil	Ascend 3 GR	Rice	Allowed
79	DBC019	Shahinur Biswash	Kaliganj	Jhenaidah	Sontosh Ghosh	23.38697	89.23519	N/A	120	Flubendamide	Belt	Rice	Allowed
80	DBC020	Mofazzal Hossain	Salikha	Magura	Sontosh Ghosh	23.38108	89.26120	N/A	150	Fipronil	Ascend 3 GR	Rice	Allowed
81	DBC021	Md.Abdul Goni Molla	Kaligonj	Jhenaidah	Kholilur Rahman	23.39164	89.19824	N/A	80	Imidacloprid	Confidor	Rice	Allowed
82	DBC022	Sri Varot Mondol	Sripur	Magura	Sri Naran Kumar	23.65159	89.38757	N/A	140	Fipronil	Ascend 3 GR	Rice	Allowed
83	DBC023	Barik Molla	Magura	Magura	Ahad Ali	23.45299	89.41088	N/A	40	Imidacloprid	Confidor	Rice	Allowed
84	DBC024	Mukto Roy	Modhukhali	Faridpur	Prollad	23.58022	89.57961	N/A	200	Flubendamide	Belt	Chilli	Allowed
85	DBC025	Md. Lutfor Sarder	Faridpur	Faridpur	Md. Ayub Ali	23.60461	89.75144	N/A	45	Fipronil	Ascend 3 GR	Brinjal	Allowed
86	DBC026	Md. Yunus Ali Master	Pangsha	Rajbari	Raju Ahmed	23.85728	89.36632	N/A	750	Imidacloprid	Confidor	Rice	Allowed
87	DBC027	Md. Abdul Wahab	Jessore Sadar	Jessore	Motiar Rahman	23.23272	89.16802	N/A	300	Fipronil	Ascend 3 GR	Bean	Allowed
88	DBC028	Md. Ezazul Islam	Jessore Sadar	Jessore	Mokhlesur Rahman	23.24535	89.16741	N/A	35	Fipronil	Ascend 3 GR	Bean	Allowed
89	DBC029	Md. Bokul Hossain	Chowgasa	Jessore	Shafikul Islam	23.20708	89.04961	N/A	400	Fipronil	Ascend 3 GR	Bean	Allowed
90	DBC030	Md. Ibrahim Morol	Monirampur	Jessore	Abdul Latif	23.02903	89.13146	N/A	1500	Fipronil	Ascend 3 GR	Rice	Allowed

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91	DBC031	Md. Nur Islam	Sharsha	Jessore	Ibrahim Khalil	23.06145	88.96074	N/A	550	Flubendamide	Belt	Rice	Allowed
92	DBC032	Md. Abdul Karim	Jessore Sadar	Jessore	Sarwar Hossain	23.15301	89.15814	N/A	1500	Fipronil	Ascend 3 GR	Rice	Allowed
93	DBC033	Md. Amzad Hossain	Jessore Sadar	Jessore	Abdul Mazid	23.2582	89.23758	10	500	Phenamidom+ Mancozeb	Secure	Bitter gourd	Disallowed
94	DBC034	Md. Uzzal Hossain	Jessore Sadar	Jessore	Shamsul Member	23.24377	89.14876	N/A	1000	Carbaryl	Sevin	Brinjal	Allowed
95	DBC035	Md. Korban Ali	Chowgacha	Jessore	Liton Hossain	23.26291	89.03359	N/A	700	Phenamidom+ Mancozeb	Secure	Brinjal	Allowed
96	DBC036	Md. Asadul Islam	Sadar Jessore	Jessore	Mizanur Rahman	23.23842	89.16474	N/A	300	Fipronil	Ascend 3 GR	Pointed gourd	Allowed
97	DBC037	Md. Jahangir Alam	Moheshpur	Jhenaidah	Chand Miah	23.29465	88.85992	N/A	40	Fipronil	Ascend 3 GR	Rice	Allowed
98	DBC038	Md. Shahidul Islam	Moheshpur	Jhenaidah	Abdul Kuddus	23.27968	88.85384	N/A	250	Imidacloprid	Confidor	Rice	Allowed
99	DBC039	Md. Milon Miah	Jibonnagar	Chuadanga	Liton Miah	23.40358	88.87128	N/A	250	Fipronil	Ascend 3 GR	Rice	Allowed
100	DBC040	Md. Shapon Miah	Jibonnagar	Chuadanga	Selim Reza	23.40791	88.87524	N/A	500	Fipronil	Ascend 3 GR	Rice	Allowed
101	DBC041	Md. Shamsul Haque	Moheshpur	Jhenaidah	Shahed Hasan Liton	23.34947	88.88575	N/A	450	Flubendamide	Belt	Rice	Allowed
102	DBC042	Md. Shahjahan	Moheshpur	Jhenaidah	Kamal Uddin	23.31336	88.90924	N/A	750	Flubendamide	Belt	Rice	Allowed
103	DBC043	Md. Shukur Ali	Chuadanga Sadar	Chuadanga	Ibrahim Khalil	23.58368	88.88754	N/A	200	Imidacloprid	Confidor	Bean	Allowed
104	DBC044	Sree Nirmal Ghos	Kotchandpur	Jhenaidah	Enamul Haque	23.47227	88.97069	N/A	50	Imidacloprid	Confidor	Brinjal	Allowed
105	DBC045	Sree Gopal Kormoker	Kotchandpur	Jhenaidah	Faruque Hossain	23.44676	88.95065	N/A	40	Imidacloprid	Confidor	Brinjal	Allowed
106	DBC046	Md. Siddiqur Rahman	Chowgacha	Jessore	Shahinur Rahman	23.26256	89.02822	N/A	250	Carbaryl	Sevin	Pointed gourd	Allowed
107	DBC047	Md. Mahabubur Rahman	Bagarpara	Jessore	Ashok Kumar	23.29181	89.3321	N/A	200	Carbaryl	Sevin	Brinjal	Allowed
108	DBC048	Md. Firoz Sarder	Dumoria	Khulna	Shafiqul Islam	22.73438	89.41881	N/A	350	Carbaryl	Sevin	Bitter gourd	Allowed
109	DBC049	Sree Konok Biswash	Bagaepara	Jessore	Gopal Datta	23.23237	89.38982	20	30	Flubendamide	Belt	Rice	Disallowed
110	DBC050	Md. Alam Shek	Avoynagar	Jessore	Sajjad Hossain	23.04361	89.39840	N/A	300	Imidacloprid	Confidor	Bean	Allowed
111	DBC051	Md. Malek Sarder	Avoynagar	Jessore	Alauddin Ahamed	23.07577	89.40569	N/A	200	Flubendamide	Belt	Cucumber	Allowed
112	DBC052	Md. Ismail Biswas	Narail	Narail	Ibrahim Biswas	23.1734	89.48627	N/A	750	Fipronil	Ascend 3 GR	Rice	Allowed
113	DBC053	Md. Jahangir Alam	Satkhira	Satkhira	Sirajul Islam	22.74315	88.92756	N/A	40	Fipronil	Ascend 3 GR	Rice	Allowed
114	DBC054	Md. Abdus Sobur	Kolaroa	Satkhira	Samsur Rahman	22.86996	88.9622	N/A	300	Imidacloprid	Confidor	Rice	Allowed
115	DBC055	Md. Ansar Ali	Kolaroa	Satkhira	Rabiul Islam	22.86997	88.96199	N/A	1000	Flubendamide	Belt	Rice	Allowed
116	DBC056	Md. Hasnain	Charfassion	Bhola	Milon Mia	22.20847	90.75979	N/A	250	Flubendamide	Belt	Cucumber	Allowed
117	DBC057	Md. Juwel Khalifa	Chitalmari	Bagerhat	Ebad Ali	22.81897	89.8514	N/A	120	Spirotetramet	Movento	Cucumber	Allowed
118	DBC058	Sajal Mondal	Chitalmari	Bagerhat	Babu Barun Boral	22.77001	89.89412	1	350	Phenamidom+	Secure	Bitter gourd	Disallowed

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										Mancozeb			
119	DBC059	Md. Samsul Alam	Nagarkanda	Faridpur	jashim Uddin	23.49819	89.94026	N/A	100	Carbaryl	Sevin	Brinjal	Allowed
120	DBC060	Md. Shahin	Nagarkanda	Faridpur	jashim Uddin	23.49678	89.94089	N/A	80	Carbaryl	Sevin	Brinjal	Allowed
121	DLT001	Sapon Kumar	Bakergang	Barisal	Md. Nurun Nabi	22.53387	90.3473	2	20	N/A	N/A	Bitter gourd	Disallowed
122	DLT002	Mostofa Howlader	Bakergang	Barisal	Kalachand Das	22.51429	90.34372	2	300	N/A	N/A	Bitter gourd	Disallowed
123	DLT003	Farukh Hossain	Bakergang	Barisal	Kalachand Das	22.49866	90.30898	40	1000	N/A	N/A	Bitter gourd	Allowed
124	DLT004	Ratna Cadet	Bakergang	Barisal	Rafiqul Islam	22.51416	90.30357	5	5	N/A	N/A	Wax gourd	Disallowed
125	DLT005	Md. Khalil	Bakergang	Barisal	Md. Babul Talukder	22.50398	90.30367	10	15	N/A	N/A	Bitter gourd	Disallowed
126	DLT006	Bishaw Prio Nath	Bakergang	Barisal	Md Babul Talukder	22.50573	90.32123	5	60	N/A	N/A	Bitter gourd	Disallowed
127	DLT007	Md. Harun	Barisal Sadar	Barisal	Md. Babul Talukder	22.68468	90.48779	40	1000	N/A	N/A	Wax gourd	Allowed
128	DLT008	Kamal Hossain	Barisal Sadar	Barisal	Md.Jakir Hossain	22.7352	90.29109	35	150	N/A	N/A	Bitter gourd	Allowed
129	DLT009	Md. Litu	Barisal Sadar	Barisal	Md. Jakir Hossain	22.72278	90.31116	2	50	N/A	N/A	Sponge gourd	Disallowed
130	DLT010	Abdul Rasul Khan	Barisal Sadar	Barisal	Md.Jakir Hossain	22.76396	90.35682	32	32	N/A	N/A	Cucumber	Allowed
131	DLT011	Shopon Chokder	Bakergang	Barisal	Kamal Hossain	22.4901	90.27231	31	40	N/A	N/A	Cucumber	Allowed
132	DLT012	Md. Shamim	Barisal Sadar	Barisal	Kamal Hossain Talukder	22.69712	90.44011	35	50	N/A	N/A	Cucumber	Allowed
133	DLT013	Abdur Rashid Master	Barisal Sadar	Barisal	kamal Hossain	22.70375	90.46303	40	35	N/A	N/A	Cucumber	Allowed
134	DLT014	Keramot Hawlader	Barisal Sadar	Barisal	Kamal Hossain Talukder	22.73499	90.32308	5	20	N/A	N/A	Bitter Gourd	Disallowed
135	DLT015	Shahid Bepari	Mehendigang	Barisal	Faruk Fakir	22.8249	90.5362	100	120	N/A	N/A	Cucumber	Allowed
136	DLT016	Abul Howlader	Mehendigang	Barisal	Faruk Fakir	22.80492	90.64692	150	180	N/A	N/A	Sponge gourd	Allowed
137	DLT017	Baset Bepari	Mehendigang	Barisal	Faruk Fakir	22.80489	90.63899	75	75	N/A	N/A	Papaya	Allowed
138	DLT018	Masud Sikder	Mehendigang	Barisal	Faruk Fakir	22.82649	90.5431	50	50	N/A	N/A	Cucumber	Allowed
139	DLT019	Md. Ibrahim	Mehendigang	Barisal	Faruk Fakir	22.64983	90.53046	75	80	N/A	N/A	Sponge gourd	Allowed
140	DLT020	Sekander	Mehendigang	Barisal	Mamun	22.64999	90.54899	100	80	N/A	N/A	Papaya	Allowed
141	DLT021	Ismail Hossian	Mathbaria	Pirojpur	Mamun	22.31847	90.03669	5	15	N/A	N/A	Cucumber	Disallowed
142	DLT022	Md. Kabir	Mathbaria	Pirojpur	Mamun	22.31558	90.03326	5	150	N/A	N/A	Cucumber	Disallowed
143	DLT023	Abdul Manez	Mathbaria	Pirojpur	Mamun	22.31482	90.03512	35	35	N/A	N/A	Cucumber	Allowed
144	DLT024	Abdul Hasem	Mathbaria	Pirojpur	Mamun	22.31475	90.0332	40	150	N/A	N/A	Bitter gourd	Allowed
145	DLT025	Jaynal Jommadder	Mathbaria	Pirojpur	Mamun	22.24417	89.94827	35	35	N/A	N/A	Okra	Allowed
146	DLT026	Siddikur Rahman	Mathbaria	Pirojpur	Mamun	22.24334	89.94705	30	30	N/A	N/A	Bitter gourd	Allowed
147	DLT027	Chunnu Jommadder	Mathbaria	Pirojpur	Mamun	22.24677	89.94643	30	30	N/A	N/A	Bitter gourd	Allowed
148	DLT028	Md. Sagor Mir	Mathbaria	Pirojpur	Hazi Humyon Kabir	22.24211	89.94762	5	5	N/A	N/A	Wax gourd	Disallowed
149	DLT029	Dulal Jommadder	Mathbaria	Pirojpur	Hazi Humyon Kabir	22.24455	89.94812	10	10	N/A	N/A	Ridge gourd	Disallowed
150	DLT030	Sapon Babu	Mathbaria	Pirojpur	Hazi Humyon Kabir	22.24253	89.94775	3	5	N/A	N/A	Bitter gourd	Disallowed
151	DLT031	Titu Bepari	Hizla	Barisal	Eunus Howlader	22.90649	90.43259	35	100	N/A	N/A	Bitter gourd	Allowed
152	DLT032	Saiful Islam	Muladi	Barisal	Miraj Hossain	22.92835	90.42171	30	45	N/A	N/A	Bottle gourd	Allowed

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153	DLT033	Bahare Alam Khandokar	Muladi	Barisal	Miraj Hossain	22.97793	90.41697	35	32	N/A	N/A	Bitter gourd	Allowed
154	DLT034	Imran Mia	Muladi	Barisal	Miraj Hossain	22.89667	90.38864	5	5	N/A	N/A	Cucumber	Disallowed
155	DLT035	Farukh Mollah	Muladi	Barisal	Miraj Hossain	22.89371	90.38832	80	30	N/A	N/A	Bottle gourd	Allowed
156	DLT036	Shahidul Islam	Babugang	Barisal	Khokon	22.81577	90.33405	40	100	N/A	N/A	Bitter gourd	Allowed
157	DLT037	Iube Ali	Babugang	Barisal	Khokon	22.81324	90.32999	70	15	N/A	N/A	Bitter gourd	Disallowed
158	DLT038	Delowar Hossain	Babugang	Barisal	Khokon	22.84043	90.31384	2000	2000	N/A	N/A	Ridge gourd	Allowed
159	DLT039	Abdul Jabbar Dhali	Babugang	Barisal	Masum	22.8155	90.3263	10	10	N/A	N/A	Bitter gourd	Disallowed
160	DLT040	Jalilur Rahman	Babugang	Barisal	Khokon	22.80813	90.33145	200	40	N/A	N/A	Wax gourd	Allowed
161	DLT041	Badrul Haidar Bepari	Nazirpur	Pirojpur	Biplob Halder	22.69026	89.9434	5	5	N/A	N/A	Wax gourd	Disallowed
162	DLT042	Ilias Khan	Nazirpur	Pirojpur	Mostafiz	22.72214	89.94411	40	35	N/A	N/A	Bitter gourd	Allowed
163	DLT043	Jamil Ahmed	Nazirpur	Pirojpur	Sheak Obuaid	22.69543	89.97218	5	5	N/A	N/A	Wax gourd	Disallowed
164	DLT044	A.K.M Elias	Jhalokhati	Jhalokhati	Nazrul Islam	22.63655	90.15175	32	31	N/A	N/A	Bitter gourd	Allowed
165	DLT045	Mizan Mridha	Jhalokhati	Jhalokhati	Sultan Farazi	22.55993	90.14448	5	15	N/A	N/A	Bitter gourd	Disallowed
166	DLT046	Rejbi	Rajapur	Jhalokhati	Sultan Farazi	22.55722	90.14312	15	10	N/A	N/A	Bitter gourd	Disallowed
167	DLT047	Dipu Khan	Bhandaria	Pirojpur	Nasir Uddin Mollah	22.48537	90.06224	15	5	N/A	N/A	Bitter gourd	Disallowed
168	DLT048	Humayun Sikder	Bhandaria	Pirojpur	Nasir Uddin Mollah	22.44878	90.06137	2	10	N/A	N/A	Bitter gourd	Disallowed
169	DLT049	Jahangir Hossain	Jhalokhati	Jhalokhati	Nazrul Islam	22.63667	90.15185	5	10	N/A	N/A	Bitter gourd	Disallowed
170	DLT050	Md. Monir Hossain	Jhalokhati	Jhalokhati	Nazrul Islam	22.63772	90.14936	5	250	N/A	N/A	Bitter gourd	Disallowed
171	DLT051	Mamun Khan	Kawkhali	Pirojpur	M/S Khan Traders	22.63978	90.10805	40	40	N/A	N/A	Bitter gourd	Allowed
172	DLT052	Nizam Matubbor	Kathalia	Jhalakati	Khan Store	22.37654	90.07298	35	35	N/A	N/A	Bitter gourd	Allowed
173	DLT053	Md.Monir Hossain	Rajapur	Jhalakati	Vai Vai EnterPrise	22.53025	90.10204	60	90	N/A	N/A	Ridge gourd	Allowed
174	DLT054	Md. Noor Hossain	Rajapur	Jhalakati	Vai Vai EnterPrise	22.53246	90.10268	60	50	N/A	N/A	Snake gourd	Allowed
175	DLT055	Md.Isha Hawlader	Rajapur	Jhalakati	Vai Vai EnterPrise	22.53088	90.10259	50	100	N/A	N/A	Bitter gourd	Allowed
176	DLT056	Fahim Bepari	Rajapur	Jhalakati	Vai Vai EnterPrise	22.5308	90.10397	32	250	N/A	N/A	Cucumber	Allowed
177	DLT057	Shahidullaha Farazi	Rajapur	Jhalakati	Vai Vai EnterPrise	22.60189	90.14381	35	35	N/A	N/A	Cucumber	Allowed
178	DLT058	Md. Shamim	Jhalakati	Jhalakati	Riana Enterprise	22.63818	90.1516	35	100	N/A	N/A	Cucumber	Allowed
179	DLT059	Tariqul Islam	Jhalakati	Jhalakati	Riana Enterprise	22.73043	90.25011	40	200	N/A	N/A	Bitter gourd	Allowed
180	DLT060	Md. Delwar Hossain	Jhalakati	Jhalakati	Riana Enterprise	22.72408	90.21874	10	100	N/A	N/A	Papaya	Disallowed
181	DLT061	Abdul Kuddus	Jhalakati	Jhalakati	Riana Enterprise	22.7257	90.21767	20	40	N/A	N/A	Papaya	Disallowed
182	DLT062	Imam Hossain	Jhalakati	Jhalakati	Riana Enterprise	22.72559	90.21711	35	100	N/A	N/A	Papaya	Allowed
183	DLT063	Md. Jalal Sheikh	Rupsha	Khulna	Md. Jahangir Kabir	22.77427	89.61879	100	15	N/A	N/A	Bitter gourd	Disallowed
184	DLT064	Md.Kamrul Islam	Dumuria	Khulna	Md. Jahangir Kabir	22.8175	89.38005	35	35	N/A	N/A	Bottle gourd	Allowed
185	DLT065	Dilip Mandal	Dumuria	Khulna	Md. Monirul Islam	22.48705	89.43948	2	500	N/A	N/A	Pumpkin	Disallowed
186	DLT066	Md. Johur Sheikh	Dumuria	Khulna	Md. Monirul Islam	22.82293	89.32801	50	100	N/A	N/A	Cucumber	Allowed
187	DLT067	Probir Sarker	Dumuria	Khulna	Rezwan Hossain	22.82355	89.32813	40	50	N/A	N/A	Cucumber	Allowed
188	DLT068	Jugendranath Mandal	Tala	Satkhira	Md. Abdus Sobahan	22.75463	89.18567	50	150	N/A	N/A	Bitter gourd	Allowed
189	DLT069	Omit Mandal	Satkhira Sadar	Satkhira	Md. Akter Ali	22.2395	88.99195	100	1000	N/A	N/A	Pumpkin	Allowed

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190	DLT070	Abdul MaJed Sarder	Satkhira Sadar	Satkhira	Md. Humayan Kabir	22.79814	89.01877	100	300	N/A	N/A	Tomato	Allowed
191	DLT071	Md. Abdul Kasem	Kolaroa	Satkhira	Nobendra saha Kolloi	22.86077	89.04945	50	100	N/A	N/A	Tomato	Allowed
192	DLT072	Md. Masud Morol	Kaliganj	Satkhira	Md. Mijanur Rahman	22.43543	89.12275	35	40	N/A	N/A	Bitter gourd	Allowed
193	DLT073	Poritos Bashu	Kachua	Kachua	Md.Rafiquual Islam	22.74411	89.87544	5	500	N/A	N/A	Cucumber	Disallowed
194	DLT074	Omar Basu	Chitolmari	Bagerhat	Tapan Kumar Mondal	22.75682	89.87617	5	30	N/A	N/A	Bottle gourd	Disallowed
195	DLT075	Subrato Pande	Mollarhat	Bagerhat	Md. Ferdous Sheikh	22.80922	89.87316	5	40	N/A	N/A	Cucumber	Disallowed
196	DLT076	Mr. Sadu Biswas	Chitolmari	Bagerhat	Tapan Kumar Mondal	22.82355	89.8639	5	15	N/A	N/A	Cucumber	Disallowed
197	DLT077	Mr.Khetis Chondro	Fokirhat	Bagerhat	Md.Zafor Sorder	22.72108	89.77177	5	500	N/A	N/A	Bottle gourd	Disallowed
198	DLT078	Mr.Ridoy Sorker	Chitolmary	Bagerhat	Sohn Sorkar	22.75627	89.9089	5	40	N/A	N/A	Cucumber	Disallowed
199	DLT079	Md. Ebrahim Mistiri	Mollarhat	Bagerhat	Md.Hoqe	22.83498	89.83431	5	50	N/A	N/A	Bitter gourd	Disallowed
200	DLT080	Md: Azizul Hoqe	Chitolmari	Bagerhat	Md. Ekhtear	22.81714	89.84757	5		N/A	N/A	Bottle gourd	Disallowed
201	DLT081	Mr.Anondo pal	Rampal	Bagerhat	Mr.Olok Kumar					N/A	N/A		Not Found
202	DLT082	Md: Amanullah Aman	Dumuria	Khulna	Md. Monirul Islam	22.79949	89.4574	2	200	N/A	N/A	Bitter gourd	Disallowed
203	DLT083	Santas Mollik	Dumuria	Khulna	Md. Monirul Islam	22.82286	89.33834	40	300	N/A	N/A	Pumpkin	Allowed
204	DLT084	Krishna Pada Biswas	Dumuria	Khulna	Md. Monirul Islam	22.82319	89.34102	120	100	N/A	N/A	Cucumber	Allowed
205	DLT085	Mr.Arjun	Dumuria	Khulna	Md. Monirul Islam	22.2203	89.4423	5	200	N/A	N/A	Pumpkin	Disallowed
206	DLT086	Milon Shake	Tero Khada	Khulna	Md.Zafor	22.9296	89.74058	35	350	N/A	N/A	Bitter gourd	Allowed
207	DLT087	Md. Modu mia	Tero Khada	Khulna	Md.Zafor	22.93292	89.74034	30	80	N/A	N/A	Bitter gourd	Allowed
208	DLT088	Nazrul Islam Dhali	Jhalakati	Jhalakati	Riana Enterprise	22.72191	90.2212	150	150	N/A	N/A	Papaya	Allowed