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Accelerating Agriculture Productivity Improvement (AAPI)

Quarterly Report

(July-September 2012)

Submitted to

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by

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Acronyms and Abbreviations

AAPI	Accelerating Agriculture Productivity Improvement
AEZ	Agro-Ecological Zone
AGM	Annual General Meeting
AWD	Alternate Wetting and Drying
BADC	Bangladesh Agricultural Development Corporation
BARC	Bangladesh Agricultural Research Council
BARI	Bangladesh Agricultural Research Institute
BAU	Bangladesh Agricultural University
BBS	Bangladesh Bureau of Statistics
BCIC	Bangladesh Chemical Industries Corporation
BFA	Bangladesh Fertilizer Association
BINA	Bangladesh Institute of Nuclear Agriculture
BRI	Bangladesh Rice Research Institute
CA	Cooperative Agreement
COP	Chief of Party
CWS	Continuous Water Supply
DAE	Department of Agricultural Extension
DC	Deputy Commissioner
FDP	Fertilizer Deep Placement (includes UDP)
FMO	Field Monitoring Officer
FTF	Feed the Future
GCCI	Global Climate Change Initiative
GHG	Greenhouse Gas
g or gm	Gram
GOB	Government of Bangladesh
GPS	Global Positioning System
ha	Hectare
HYV	High-Yielding Varieties
ICDDR-B	International Centre for Diarrhea Disease Research – Bangladesh
ICM	Integrated Crop Management
IFDC	International Fertilizer Development Center
ILSAFARM	Improved Livelihood for Sidr-Affected Rice Farmers
IPM	Integrated Pest Management
K	Potassium
kg	kilogram
M&E	Monitoring and Evaluation
M&S	Mymensingh and Sherpur

MOA	Ministry of Agriculture
MP	Member of Parliament
mt	metric tons
N	Nitrogen
NGO	Non-Governmental Organization
NPK	Nitrogen, Phosphorus and Potassium
P	Phosphorus
PPP	Public-Private Partnership
QPR	Quarterly Progress Report
SAAO	Sub-Assistant Agriculture Officer
SRDI	Soil Resources Development Institute
Tk	Taka (Bangladesh currency)
TOT	Training of Trainers
UAO	Upazila Agricultural Officer
UDP	Urea Deep Placement
US \$	United States Dollar
USAID	United States Agency for International Development
Zn	Zinc

Accelerating Agriculture Productivity Improvement (AAPI)

USAID-Bangladesh
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Quarterly Progress Report (July-September 2012)

Overview

This is the eighth Quarterly Progress Report (QPR) of the Accelerating Agriculture Productivity Improvement (AAPI) project. It covers work completed during July 1-September 30, 2012. As it is the last quarter of Year 2, the cumulative figures are presented for Year 1, Year 2 and total project to date. Year 2 is also a completion of the first 12 months of the 18-month AAPI Scale-Up program.¹

The following summary provides an overview of project results (including Feed the Future [FTF] indicators set by the United States Agency for International Development [USAID]), deliverables and key activities completed during the quarter. Further details and a discussion of issues and outlook are provided in the main text. The targets herein were set in the AAPI approved annual workplan and the Scale-Up Operational Plan. They include the indicators governed by the Performance and Impact Indicators that are specified in Attachment 2 of the Cooperative Agreement (CA). The Certification Sheets for FTF indicators are attached separately as part of this document.

The terms *Guti* urea, urea deep placement (UDP) and fertilizer deep placement (FDP) are used throughout the report. *Guti* urea refers to the urea briquettes. UDP refers to the deep placement of the urea briquettes. FDP is the generic term and refers to deep placement of any fertilizer briquettes, usually either urea or briquettes containing some combination of nitrogen (N), phosphorus (P) and potassium (K).

Results

The *Aus* crop was harvested during the quarter and the *Aman* crop was planted. The AAPI results are disaggregated by the 20 FTF districts and the Mymensingh and Sherpur (M&S) districts. During the quarter, the project achieved or exceeded the target in two of the seven FTF core indicators; three of the core indicators (i.e., value of incremental sales, gross margins of UDP

¹ A scale-up activity under the FTF initiative of USAID.

rice farmers and individuals receiving training) were new indicators and did not have targets set in the operational plan. The remaining two (i.e., area under FDP technology and number of farmers adopting the technology) apply to the *Aman* crop and will be reported in the next quarter.

Nine custom indicators were established (under the CA) for the AAPI project . In this quarter, targets were either achieved or exceeded in four of the indicators. Progress was below target in five of the results indicators. The failures arose from the failure of the *Aus* crop due to drought. While this affected all production data, it is important to note that the farmers' use of *Guti* urea and FDP did result in a positive impact on yields and reduced fertilizer use, even though the target achievement. Details are shown in the following table. Full explanations are provided in the main text.

AAPI Results Achieved Against Targets in Quarter 8 (July-September 2012)

Result Indicators	Unit	July-September 2012								
		FTF		M&S		Total (FTF and M&S)		% of Achievement Against Target		
		Target	Actual	Target	Actual	Target	Actual	FTF	M&S	Total
FTF Core IndicatorS										
Area under FDP technology – rice	ha									
Area under FDP technology – vegetable	ha									
Rural households benefiting directly	No.	85,968	95,420	19,602	21,288	105,570	116,708	111	109	111
Value of incremental sales of rice	million US \$		3.99		0.18		4.20			
Farmers adopting FDP technology	No.									
Gross margin of rice farmers (total)	\$/ha		-8		-112		-12			
Number of jobs attributed to FTF implementation	Person/year	147	184	3	25	150	209	125	750	139
Number of individuals receiving short term training	Persons		95,478		21,273		116,751			
Custom Indicators										
Increased yield of rice	kg/ha	535	370	535	401	535	375	69	75	70
Incremental rice production	mt	74,822	48,275	14,563	1,957	89,386	50,751	64	13	57
Increased value of rice	million US \$	23.94	16.63	4.66	0.67	28.60	17.49	69	14	61
Urea saving	mt	6,993	5,506	1,361	178	8,354	5,684	79	13	68
Value of urea saved	million US \$	2.38	3.10	0.46	0.10	2.84	3.20	130	22	113
GOB saving on urea subsidy	million US \$	1.36	1.88	0.27	0.06	1.63	1.94	138	23	119
Average incremental value per hectare	US \$	210	128	210	138	210	129	61	66	62
Farmers trained	No.	85,880	95,310	19,600	21,273	105,480	116,583	111	109	111
Fertilizer briquette machines sold	No.	88	110	2	15	90	125	125	750	139

Highlights of Project Activities

The AAPI Scale-Up program required implementation of 16 activities during the quarter. The targets were met (or exceeded) in 15 activities. Trials have been reduced to allow a multidimensional approach that will address area specific technical issues. The variety and design of trials will require more work; it will result in more information to facilitate the advance of FDP technology.

Highlights of Project Technical Activities in July-September 2012

Result Indicators	July-September 2012								
	FTF		M&S		Total		% of Achievement Against Target		
	Target	Actual	Target	Actual	Target	Actual	FTF	M&S	Total
Motivational meeting with extension staff	7	17	3	7	10	24	243	233	240
Farmer training on FDP and AWD	2,148	2,383	489	532	2,637	2,915	111	109	111
Motivational meeting with early adopters	188	241	154	233	342	474	128	151	139
Farmers orientation for demos and trials	18	18	8	8	26	26	100	100	100
Field demonstrations on rice	335	408	87	144	422	552	122	166	131
Field demonstrations on vegetable		2		-		2			
Field trials on rice	27	19	9	9	36	28	70	100	78
Field trials on vegetable									
Field days	13	19	2	3	15	22	146	150	147
Crop cuts in farmers field	140	345	27	71	167	416	246	263	249
Motivational field trips	8	8	2	2	10	10	100	100	100
Stakeholders workshops	7	27	1	8	8	35	386	800	438
Award ceremony					1	1			100
Open sky show		7		5		12			
Selling briquette machines at 75% subsidized rate	88	110	2	15	90	125	125	750	139
Training of briquette producers/fertilizer dealers	5	10	2	1	7	11	200	50	157
Market information reports (<i>AAPI News Bulletin</i>)					3	3			100
National Workshop					1	1			100

Participation of Women in Project Activities

The rate of women participation has increased significantly during the first two years of the project. A 20 percent women participation rate is considered the minimum requirement; seasonal workplans have gradually raised targets (i.e., first to 25 percent then 30 percent and in the coming *Boro* season it has been set as 50 percent), with targets of 50-100 percent set for activities associated with vegetable production and home gardens. The AAPI strategy aims to generate family and community acceptance of women's participation in agriculture. To ensure women participation in AAPI project activities, the following initiatives have been taken, and the impacts are visual:

- ***AAPI increases women participation through informal meetings with the community men and women*** – AAPI is using community meetings with men and women to break

barriers to participation of women in project activities. The high cost of labor is now a burden many farming families cannot afford. In Veski village of Kumirmara block of Mothbaria upazila under Pirojpur districts, 32 women, led by Rani Begum are directly involved in setting up a 10 acre block and using *Guti* urea with the help of their husbands. They have been active now for two years. To reward their involvement, DAE provided them 32 swing baskets, 32 spade, 32 packets of rice seed (5 kg in each) and 32 packets of *Guti* urea (5 kg in each). Through this effort, labor costs for hired labor are less and with lower production costs and increased yields they are able to keep their children in school. It is serving as an example for other women to follow.

In the *Aman* season, 1,213 such blocks were established in the FTF (894) and M&S (319) districts. Three hundred and forty-seven (29 percent) are women farmer blocks.

- ***AAPI-IFDC increases women participation as successful entrepreneurs through providing briquette machines at 75 percent reduced price*** – Sima Begum is a housewife of Mahilara village under Gournadi upazila and received a briquette machine on April 25, 2009, under the USAID-funded Improved Livelihood for Sidr-Affected Rice Farmers (ILSAFARM) project. Along with her husband, she now has a license as a Bangladesh Chemical Industries Corporation (BCIC) sub-dealer and a license for sale of seeds and pesticides. She is actively engaged in motivational activities for the expansion of UDP technology. To date, she has produced and sold 622 tons of *Guti* urea through her shop. She now has a second shop, built a house and her children are studying in a very good school.

Another example is Selina Begum who is also a housewife. She received her briquette machine on May 15, 2009. As of *Aman* 2012, she has produced 709 tons of *Guti* urea briquettes. Along with her husband she also has a BCIC sub-dealership. She is active in motivational activities and each season establishes a field demonstration, holds meetings with the men and women of different blocks and conducts farmers training, all on her own initiative, providing promotional materials to the farmers at her own cost. With the growth of her business, she has shifted her house to the place of business and hired a warehouse in the Rakudia marketplace. Her children shifted from Bengali school to English medium school. Her husband also runs a grocery shop.

Not only have these changes increased family well-being, their social status has risen, both at home and in the community. Now she is the decision-maker and controls her income from sale of urea briquettes.

In FTF districts, 20 percent of women are involved in the business of urea briquette production and sale.

- ***AAPI-IFDC increases women participation in model villages*** – AAPI model villages are targets for universal adoption of UDP technology and maximum participation of women. In this quarter in Shadullapur village of Bagherpara upazila under Jessore district, 16 women established eggplant demonstrations in 16.2 sq m home garden plots. Total production ranged from 30 to 45 kg. In Bakshi village of Nazirpur upazila under Pirojpur district, 12 women established eggplant demonstrations in 16.2 sq m home garden plots. Total production ranged from 25 to 27 kg. Prior to this the homestead areas were fallow.
- ***AAPI-IFDC increases women participation by encouraging farming couples*** – After an examination of the low participation of women in demonstrations and trials and attendance at business management training, it was found that there was a family/social barrier. Through consultation with the women, community leaders and family members it was found acceptable for women to attend training if accompanied by a male family member. AAPI initiated training² for couples to increase women participation, and this has encouraged more women to become active participants.

Key Issues

Rice prices remain low and costs of production remain high. During the quarter, gross margins were estimated to be negative. It is anticipated that the low returns to rice production under the present cost:price scenario may result in farmers growing other crops that yield a better margin. With the government active in setting prices for inputs and rice prices, the balance between returns for farmers and prices for consumers becomes a critical balancing act. UDP technology providing a reduction in urea application and higher yield must be attractive to both farmers, who will increase their gross margins, and government, who will reduce the subsidy burden. It will also help maintain production.

² This does not include UDP/Alternate Wetting and Drying (AWD) farmer training as it would confound the training records.

Estimated Budget and Actual Expenditure

The AAPI project is incurring costs as planned. Following a reduced level of expenditures (which is normal during the first month of each year because of factors related to obligation of funds), the AAPI project has accelerated activities and is performing the Scale-Up Operational Plan at the planned rate. The approved budget as per the Scale-Up Plan for Year 2 was estimated at US \$7.59 million; USAID obligated the entire Year 2 budget amount. Actual expenses totaled US \$6.357 million through September 2012, equivalent to 84 percent of the obligated fund for Year 2. Some advances made against project activities such as farmers' training program, crop cuts, motivational meetings, demo plots and trials in September 2012 are yet to be adjusted.

Accelerating Agriculture Productivity Improvement (AAPI)

USAID-Bangladesh

Cooperative Agreement Number AID-388-A-10-00002

Quarterly Progress Report (July-September 2012)

Introduction

The Accelerating Agriculture Productivity Improvement (AAPI) project commenced on September 29, 2010. It is funded by the United States Agency for International Development (USAID) through a Cooperative Agreement (CA) with IFDC. The Ministry of Agriculture (MOA) through the Department of Agricultural Extension (DAE) is the principal collaborating partner. The private sector, led by the Bangladesh Fertilizer Association (BFA), and the public sector, including the Bangladesh Chemical Industries Corporation (BCIC), Bangladesh Rice Research Institute (BRRI), Bangladesh Agricultural Institute (BARI), Bangladesh Institute of Nuclear Agriculture (BINA), Bangladesh Agricultural Research Council (BARC) and non-governmental organizations (NGOs), are important stakeholders.

The project is designed to strengthen and reorient agricultural production systems in Bangladesh. The goal is to improve food security and accelerate income growth in rural areas by increasing agricultural productivity on a sustainable basis. It promotes efficient use of agricultural inputs through an integrated approach, emphasizing the use of good quality seed; judicious application of balanced fertilizer; and better water management practices. The emphasis is on technology diffusion and development of agriculture support systems to achieve sustainability. The main technology that is being supported under AAPI is fertilizer deep placement (FDP).³ FDP technology is extremely well-suited for rice production, and use in other crops is promising. AAPI also supports the extension of water use management technology referred to as Alternate Wetting and Drying (AWD) and the use of good quality seed along with FDP technology. The project supports institutional development, policy reform and public-private partnerships (PPPs) to improve performance in the fertilizer subsector.

³ FDP and urea deep placement (UDP) refer to the same basic technology.

The AAPI project is a priority agriculture sector project of the USAID Feed the Future (FTF) program in Bangladesh. In conformity with the FTF program, AAPI is engaged in:

- Increasing on-farm productivity, especially of rice crops.
- Increasing investment in market systems.
- Enhancing food security.
- Enhancing agriculture innovation capacity.

In the first year, the geographic spread of the project logically divides into two zones – Barisal Zone, with 51 upazilas in nine districts, and Mymensingh Zone, with 17 upazilas in two districts. With an AAPI Scale-Up⁴, the number of districts and upazilas has been increased to 22 and 124, respectively, from Year 2. The geographic spread of the project has now been divided into FTF districts (20 districts and 107 upazilas) and Mymensingh and Sherpur (M&S) districts (two districts and 17 upazilas).

In its first year, October 2010 to September 2011, AAPI made significant progress with 853,970 farmers directly benefiting by adopting FDP technology on 242,948 hectares (ha) of rice land and 1,657 ha under vegetable cultivation. They were rewarded with an increase of 15-16 percent (on average) in rice yields with one-third less use of urea. The good progress of the first year has continued under the project scale-up; 610,570 ha of high-yielding varieties (HYV)/hybrid were brought under FDP by 1,886,144 farmers for the 2011/12 *Boro* season. The *Aus* season did suffer from lack of rain, but 135,304 ha did come under FDP, benefiting 433,321 farmers. The *Aman* season was planted this quarter, and field monitoring officer (FMO) monitoring reports would indicate its coverage targets⁵ have been achieved.

Micro-enterprise scale entrepreneurs have invested their own funds on a cost/share basis. Through September 2012, the project had 827 fertilizer briquette machines in operation to meet farmer demand for *Guti* urea.⁶ The MOA and DAE are fully supportive of UDP technology diffusion; DAE staff are fully engaged in the target areas in providing farmer

⁴ Refer to AAPI Scale-Up Operational Plan (October 2011-March 2012) prepared in September 2011.

⁵ *Aman* season is to be reported next quarter. Its coverage target is 503,275 ha.

⁶ *Guti* urea is the large-size urea particles (usually 1.8 or 2.7 grams by weight) used in FDP. The particles are made in small-scale businesses using briquette machines purchased by the entrepreneur with a 75 percent subsidy provided by AAPI.

training on UDP technology and support with demonstrations, field days and other promotional activities.

This is the Eighth Quarterly Progress Report (QPR) of AAPI, which includes performance and results achievement under the fourth quarter of AAPI Scale-Up. A summary of activities, status of deliverables and results are provided in the overview. More detailed reports on all of these activities are provided in the following text.

Deliverables

In compliance with CA reporting requirements, three deliverables were required during the quarter (**Table 1**). As indicated, all requirements were submitted. In addition, although not a contracted deliverable, AAPI submitted 13 weekly reports on project performance during the quarter in order to facilitate USAID project oversight. In August 2012, AAPI submitted a revised monitoring and evaluation (M&E) plan to include FTF result indicators, FTF certification forms and the greenhouse gas (GHG) emission component of the project.

Table 1. List of Deliverables Through September 2012

Item	Year 1 Actual	October-December 2011	January-March 2012	April-June 2012	July-September 2012	Total Through September 2012
Annual Workplan	2				1	3
Monitoring and Evaluation Plan	1				Revision	1
Quarterly Performance Report	3	1	1	1	1	7
SF 425	3	1	1	1	1	7

Results

The results are reported against indicators and their targets specified in the CA with interpretations via the Annual Plan, the Scale-up Operational Plan and, more recently, the certification on FTF result indicators. To align with FTF reporting requirements, the results indicators in **Table 2** have been divided into FTF Core Indicators (7), as required by the FTF Program and Custom Indicators (9), being those that are project specific and required under the CA.

During the period covered by this report, the *Aus* rice crop was harvested and the *Aman* rice crop was planted. In this report, the *Aus* results of last quarter are revised against the data coming from block surveys. All production data is derived from crop cuts and sample surveys (for gross margin analysis).

This quarter is also the last quarter of Year 2. The results for Year 2 are comprised of results from *Aman* 2011, *Boro* 2012 and *Aus* 2012. However, *Aman* 2012 season activities were complete in this quarter (see **Table 11**), allowing the FTF indicators of rural households benefiting, jobs attributed and individuals receiving short-term training to be reported.

Table 2 shows 14 results indicators (five FTF and nine custom indicators) were active this quarter. Three do not have specified targets (value of incremental sales of rice and individuals receiving short-term training). Six have achieved or exceeded target. Five were below target. The production data for the *Aus* rice crop was below target. This is explained by the lack of rain. A separate report on certification of FTF result indicators, duly signed by the Chief of Party (COP) is attached with this report.

**Table 2. AAPI Results
(A) Achieved in Year 2 by Quarter**

Result Indicators	Unit	October-December 2011 (<i>Aman</i> 2011)									January-March 2012 (<i>Boro</i> 2012)								
		FTF		M&S		Total (FTF and M&S)		% of Achievement			FTF		M&S		Total (FTF and M&S)		% of Achievement		
		Target	Actual	Target	Actual	Target	Actual	FTF	M&S	Total	Target	Actual	Target	Actual	Target	Actual	FTF	M&S	Total
FTF CORE INDICATORS																			
Area under FDP technology – rice	ha	93,790	89,420	77,160	78,438	170,950	167,858	95	102	98	403,501	424,408 ^a	184,525	186,162 ^a	588,026	610,570	105	101	104
Area under FDP technology – vegetable	ha	NA	208.90	NA	91.70		300.60				NA	210	NA	113.6	NA	323.6			
Rural households benefiting directly	No.	39,657	50,232	14,863	19,770	54,520	70,002	127	133	128	61,697	52,582	23,133	18,467	84,830	71,049	85	80	84
Value of incremental sales of rice	million US \$	NA	2.5	NA	2.99	NA	5.40								-	-			
Farmers adopting FDP technology ^b	No.	183,902	319,998	151,294	294,194	335,196	614,192	174	194	183	790,767	1,322,303	361,625	563,841	1,152,392	1,886,144	167	156	164
Gross margin of UDP rice farmers	\$/ha	363	569	363	596	363	584	157	164	161									
No. of jobs attributed	Person/year	162	266	38	17	200	282	164	43	141	40	237	10	45	50	282	592	450	563
No. of individuals receiving ST training	Persons		51,551		19,842		71,393					52,946		18,474		71,420			
CUSTOM INDICATORS																			
Increased yield of rice	kg/ha	535	404	535	550	535	465	76	103	87					-	-			
Incremental rice production	mt	50,178	36,126	41,281	43,141	91,458	78,054	72	105	85					-	-			
Increased value of rice	million US \$	16.06	13.16	13.21	15.72	29.27	28.44	82	119	97					-	-			
Urea saving	mt	4,690	3,283	3,858	2,981	8,548	6,263	70	77	73					-	-			
Value of urea saved	million US \$	1.59	2.13	1.31	1.94	2.91	4.07	134	148	140					-	-			
GOB saving on urea subsidy	million US \$	1.67	1.36	1.37	1.24	3.05	2.60	81	91	85					-	-			
Average incremental value per ha	US \$	171	147	171	200	171	169	86	117	99									
Farmers trained	No.	39,560	50,073	14,840	19,760	54,400	69,833	127	133	128	61,673	52,440	23,127	18,440	84,800	70,880	85	80	84
Fertilizer briquette machines sold	No.	97	159	23	10	120	169	164	43	141	24	142	6	27	30	169	592	450	563

a. Area of FDP under rice obtained from block survey. For FTF – UDP = 424,378 ha; NPK = 30 ha; for M&S – UDP = 186,162 ha.

b. Number of farmers adopting FDP technology in *Boro* season 2011-2012 did not include vegetable farmers.

■ *Aman* ■ *Aus* ■ *Boro*

(cont'd) **AAPI Results**
(A) Achieved in Year 2 by Quarter

Result Indicators	Unit	April-June 2012 (<i>Boro</i> and <i>Aus</i> 2012)									July-September 2012 (<i>Aus</i> 2012)								
		FTF		M&S		Total (FTF and M&S)		% of Achievement			FTF		M&S		Total (FTF and M&S)		% of Achievement		
		Target	Actual	Target	Actual	Target	Actual	FTF	M&S	Total	Target	Actual	Target	Actual	Target	Actual	FTF	M&S	Total
FTF CORE INDICATORS																			
Area under FDP technology – rice	ha	139,846	130,423	27,219	4,881	167,065	135,304	93	18	81									
Area under FDP technology – vegetable	ha	NA	293.12	NA	17.75	NA	310.87												
Rural households benefiting directly	No.	26,509	32,769	8,881	6,252	35,390	39,021	124	70	110	85,968	95,420	19,602	21,288	105,570	116,708	111	109	111
Value of incremental sales of rice	million US \$		24.02		17.56		39.09					3.99		0.18		4.20			
Farmers adopting FDP technology ^b	No.	279,692	408,775	54,438	24,546	334,130	433,321	146	45	130									
Gross margin of UDP rice farmers	\$/ha	363	414	363	432	363	412	114	119	113		-8.00		-112		-12			
No. of jobs attributed	Person/year	249	162	2	20	251	182	65	-	73	147	184	3	25	150	209	125	750	139
No. of individuals receiving ST training	Persons		33,172		6,312		39,484					95,478		21,273		116,751			
CUSTOM INDICATORS																			
Increased yield of rice	kg/ha	670	632	670	595	670	619	94	89	92	535	370	535	401	535	375	69	75	70
Incremental rice production	mt	270,346	268,084	123,632	110,758	393,977	378,092	99	90	96	74,822	48,257	14,563	1,957	89,386	50,751	64	13	57
Increased value of rice	million US \$	86.51	92.38	39.56	38.17	126.07	130.29	107	96	103	23.94	16.63	4.66	0.67	28.60	17.49	69	14	61
Urea saving	mt	40,351	42,699	18,453	19,598	58,804	62,296	106	106	106	6,993	5,506	1,361	178	8,354	5,684	79	13	68
Value of urea saved	million US \$	13.72	26.28	6.27	12.06	19.99	38.34	192	192	192	2.38	3.10	0.46	0.10	2.84	3.20	130	22	113
GOB saving on urea subsidy	million US \$	7.87	16.82	3.6	7.72	11.47	24.54	214	214	214	1.36	1.88	0.27	0.06	1.63	1.94	138	23	119
Average incremental value per ha	US \$	214	218	214	205	214	213	102	96	100	210	128	210	138	210	129	61	66	62
Farmers trained	No.	26,360	32,672	8,880	6,240	35,240	38,912	124	70	110	85,880	95,310	19,600	21,273	105,480	116,583	111	109	111
Fertilizer briquette machines sold	No.	149	97	1	12	150	109	65	-	73	88	110	2	15	90	125	125	750	139

a. Area of FDP under rice obtained from block survey. For FTF – UDP = 424,378 ha; NPK = 30 ha; for M&S – UDP = 186,162 ha.

b. Farmers adopting FDP technology in Aus season did include vegetable farmers.

■ =>90% – met or exceeded target
 ■ 80%-89% – making progress
 ■ <79% – below target
■ Aman ■ Aus ■ Boro

(B) Cumulative Through September 2012

Result Indicators	Unit	Year 1 (Actual)			Year 2 (Actual)			Total Project								
		Year 1 (Actual)			Year 2 (Actual)			FTF		M&S		Total (FTF and M&S)		% of Achievement		
		FTF	M&S	Total	FTF	M&S	Total	Target	Actual	Target	Actual	Target	Actual	FTF	M&S	Total
FTF CORE INDICATORS																
Area under FDP technology – rice	ha	158,451 ^a	84,496 ^a	242,948 ^a	644,251 ^b	269,481 ^b	913,732 ^b	637,137 ^c	644,251 ^c	288,904 ^c	269,481 ^c	926,041 ^c	913,732 ^c	101	93	99
Area under FDP technology – vegetable	ha	1,399 ^a	258 ^a	1,657	712 ^b	223 ^b	935 ^b	-	712 ^c	-	223 ^c		935 ^c			
Rural households benefiting directly	No.	102,380	63,586	165,966	231,033	65,777	296,780	312,373	333,383	128,207	129,363	440,580	462,746	107	101	105
Value of incremental sales of rice	million US \$	-	-	-	30.51	20.73	48.69		30.51		20.73		48.69			
Farmers adopting FDP technology	No.	545,155 ^a	308,815 ^a	853,970	2,051,076 ^b	882,581 ^b	2,933,657 ^b	1,274,274 ^c	2,051,076 ^c	577,808 ^c	882,581 ^c	1,852,082 ^c	2,933,657 ^c	161	153	158
Gross margin of UDP rice farmers	\$/ha															
No. of jobs attributed	Person/year	202	224	426	848	107	955	701	1,050	401	331	1,102	1,381	150	83	125
No. of individuals receiving ST training	Persons	103,645	64,576	168,221	233,147	65,901	299,048		336,792		130,477		467,269			
CUSTOM INDICATORS																
Increased yield of rice	kg/ha	477	558	538	547	578	555	620	547	621	578	621	555	88	93	89
Incremental rice production	mt	80,552	46,838	127,390	352,467	155,856	506,896	484,170	433,019	229,722	202,694	713,892	635,712	89	88	89
Increased value of rice	million US \$	31.99	18.06	50.05	122.18	54.56	176.22	154.93	154.17	73.51	72.62	228.45	226.79	100	99	99
Urea saving	mt	12,116	7,245	19,361	51,488	22,756	74,244	64,061	63,604	30,876	30,001	94,937	93,605	99	97	99
Value of urea saved	million US \$	-	-	-	31.50	14.10	45.60	21.78	31.50	10.49	14.10	32.27	45.60	145	134	141
GOB saving on urea subsidy	million US \$	3.85	1.94	5.79	20.05	9.02	29.07	13.25	23.90	6.64	10.96	19.89	34.86	180	165	175
Average incremental value per ha	US \$	202	214	206	190	202	193	243	239	254	269	247	248	98	106	101
Farmers trained	No.	102,259	63,452	165,711	230,495	65,713	296,208	311,953	332,754	127,967	129,165	439,920	461,919	107	101	105
Fertilizer briquette machines sold	No.	121	134	255	508	64	572	420	629	240	198	660	827	150	83	125

- a. Coverage is calculated from block surveys for two seasons – *Boro* 2010 and *Aus* 2011.
- b. Coverage is calculated from block survey for *Aman* 2011, *Boro* 2012 and *Aus* 2012.
- c. Coverage is calculated from the block survey for *Aman* 2011, *Boro* 2012 and *Aus* 2012;

Note: In compiling this table, there have been some recalculations that have led to corrections in data that were reported in earlier quarters.

Area Under FDP Technology and Farmers Adopting the Technology

Aus 2012 – The *Aus* block survey⁷ was completed during this quarter and its data is now reported in **Table 2. Table 3 and Table 4** show 433,321 farmers adopted UDP technology on 135,304 ha of rice and 310.87 ha in other crops. Ninety-four percent of the farmers were in the FTF districts. As reported last quarter, lack of rain caused a significant fall in transplantation and the resultant UDP. In fact, the data in **Table 4** reports only 80 percent of the expected HYV/Hybrid area was planted.⁸ The drought was most severe in Mymensingh and Sherpur where only 26 percent of the expected HYV/Hybrid area was planted. The southern districts with access to tidal river water fared better. The districts in the southwest were also affected by drought. In fact, those who did plant a crop had to use irrigation.

Table 3. Farmers Using UDP Products in *Aus* Season 2012

District	Total GUTI Urea Users 2012	UDP Users in Other Crops	Total UDP Farmers	Total Male UDP Farmers	Total Female UDP Farmers	Total Farmers in the District	% of Farmers Using UDP
Bagerhat	9,237	389	9,626	7,810	1,816	165,185	5.8
Barguna	59,354	951	60,305	54,162	6,143	146,333	41.2
Barisal	21,969	-	1,969	17,676	4,293	289,637	7.6
Bhola	12,190	205	12,395	11,220	1,175	347,715	3.6
Chuadanga	31,161	27	31,188	28,832	2,356	185,092	16.8
Faridpur	622	-	622	532	90	310,055	0.2
Gopalganj	777	-	777	663	114	221,048	0.4
Jessore	37,337	44	37,381	34,448	2,933	519,607	7.2
Jhalokati	32,006	-	32,006	30,340	1,666	111,766	28.6
Jhenaidah	36,387	4	36,391	33,270	3,121	308,905	11.8
Khulna	1,679	-	1,679	1,523	156	156,251	1.1
Madaripur	277	-	277	236	41	202,939	0.1
Magura	10,342	-	10,342	9,243	1,099	188,957	5.5
Meherpur	8,353	-	8,353	7,788	565	137,258	6.1
Narail	2,567	7	2,574	2,300	274	123,980	2.1
Patuakhali	72,787	-	72,787	68,698	4,089	241,731	30.1
Pirojpur	38,939	1,392	40,331	36,547	3,784	182,906	22.1
Rajbari	571	-	571	546	25	152,435	0.4
Satkhira	28,776	-	28,776	26,262	2,514	289,530	9.9
Shariatpur	425	-	425	358	67	194,514	0.2
FTF Total	405,756	3,019	408,775	372,454	36,321	4,475,844	9.1
Mymensingh	20,569	358	20,927	18,387	2,540	887,386	2.4
Sherpur	3,619	-	3,619	3,197	422	271,291	1.3
M&S Total	24,188	358	24,546	21,584	2,962	1,158,677	2.1
Grand Total	429,944	3,377	433,321	394,038	39,283	5,634,521	7.7

Source: *Aus* 2012 block survey, AAPI-IFDC.

⁷ The block survey is a survey of sub-assistant agriculture officers (SAAOs) who are the DAE field supervisors of each and every block in the project area. The SAAOs report the data from various records collected in the course of their duty.

⁸ This is the area expected to be planted in the Scale-Up Operational Plan.

Table 3 shows 9 percent of the farmers using UDP technology were women. This needs to be compared with the national number of female headed holdings as a percentage of total holdings is 2.95 percent.⁹

Table 4. Paddy Area Covered by UDP and NPK for *Aus* Season 2012

District	Expected HYV/Hybrid Area <i>Aus</i> 2012 (ha)	Actual HYV/Hybrid Area <i>Aus</i> 2012 (ha)	% Actual HYV/Hybrid Area	Total UDP Area (ha)	% of Area Under UDP
Bagerhat	5,600	4,532	81	3,243	72
Barguna	36,800	39,960	109	33,378	84
Barisal	11,610	12,682	109	8,482	67
Bhola	25,725	22,777	89	3,705	16
Chuadanga	14,850	17,785	120	4,632	26
Faridpur	471	310	66	112	36
Gopalganj	190	489	257	105	21
Jessore	44,600	28,018	63	8,571	31
Jhalokati	14,100	14,535	103	10,042	69
Jhenaidah	24,500	19,404	79	7,616	39
Khulna	1,657	451	27	233	52
Madaripur	120	220	183	54	25
Magura	9,930	6,495	65	2,130	33
Meherpur	8,760	5,965	68	1,822	31
Narail	1,260	911	72	453	50
Patuakhali	34,800	37,297	107	28,166	76
Pirojpur	21,700	19,845	91	14,029	71
Rajbari	295	176	59	80	46
Satkhira	11,655	10,011	86	3,512	35
Shariatpur	50	103	206	58	56
FTF Total	268,673	241,965	90	130,423	54
Mymensingh	45,920	10,176	22	4,135	41
Sherpur	3,570	2,718	76	746	27
M&S Total	49,490	12,894	26	4,881	38
Grand Total	318,163	254,859	80	135,304	53

Source: *Aus* 2012 block survey, AAPI-IFDC.

Map 1 and Map 2, prepared using global positioning system (GPS), show the distribution of the 242 FDP *Aus* rice blocks¹⁰ that were established in the FTF (227) and M&S (15) districts. Sixty-one were women farmer blocks. **Appendix 1** and **Appendix 2** provide area and farmers by upazila for *Aus* 2012. **Appendix 3** and **Appendix 4** provide cumulative totals across the last three seasons.

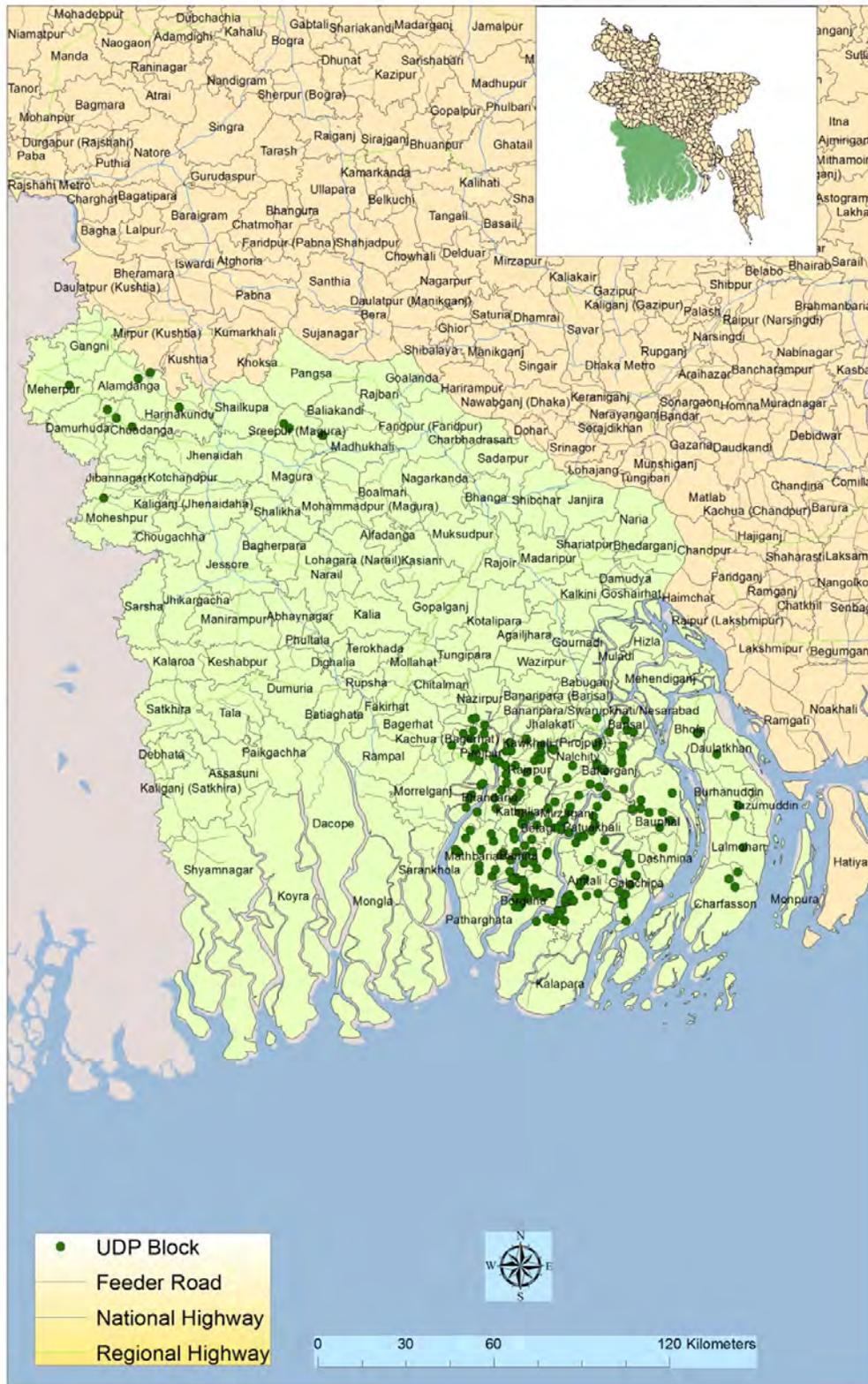
⁹ Census of Agriculture 2008 (Volume 1), page 51, Bangladesh Bureau of Statistics (BBS), November 2010.

¹⁰ An FDP block is any contiguous area of 5.0 acres or more where all farmers use FDP. If more than 51 percent of the households have women who are active in the decision-making process and a woman shares in the leadership, this is termed a woman farmer block.



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AAPI UDP Block, Aus 2012, FtF Zone

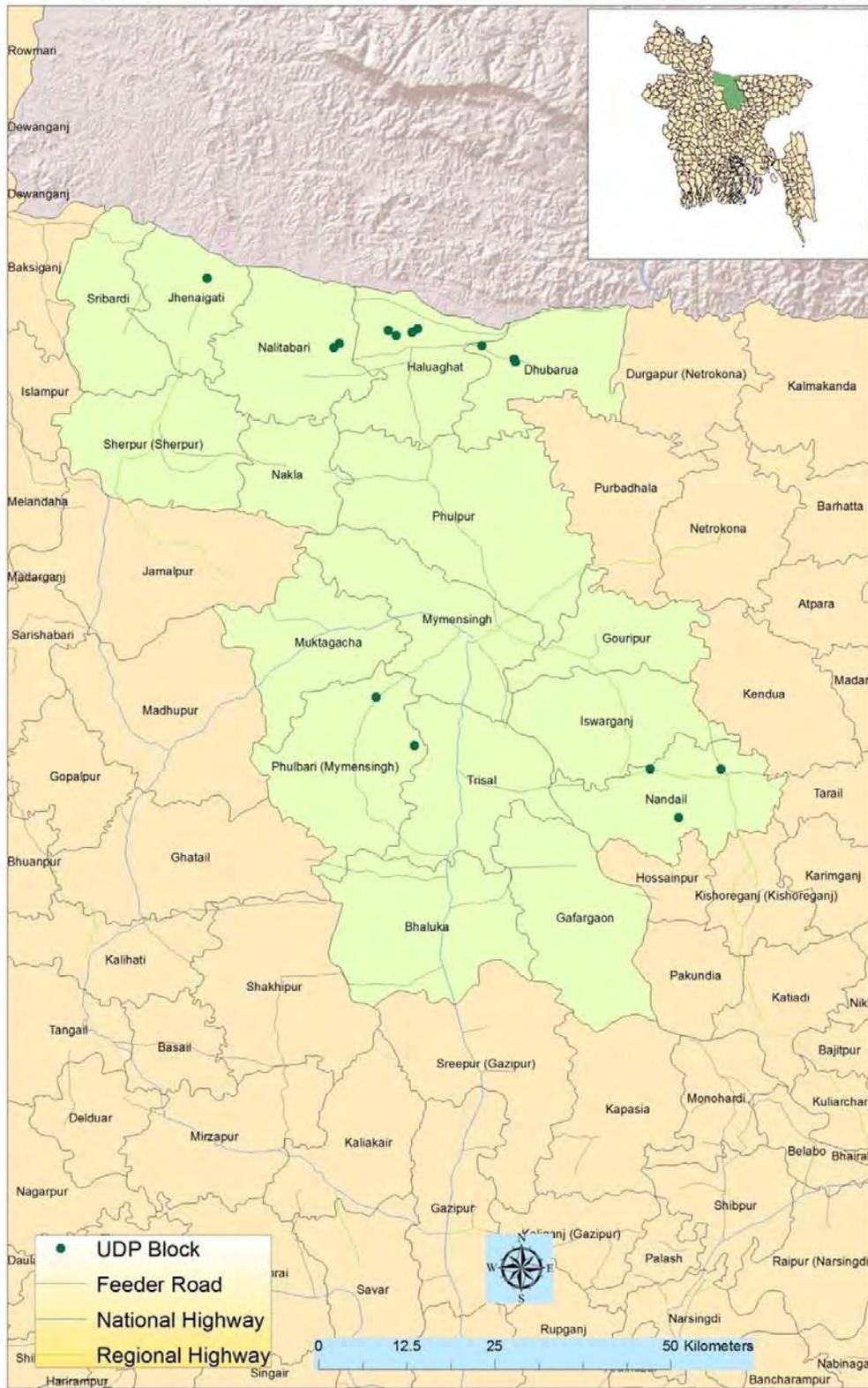


Map 1. UDP Blocks in FtF Districts – Aus 2012



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AAPI UDP Block, Aus 2012, M&S Zone



Map 2. UDP Blocks in M&S Districts – Aus 2012

The UDP coverage targets and results for the quarters in **Table 2** are for the seasons. The cumulative data add the last three seasons. **Table 5** calculates net areas after adjusting for cropping intensity by district using the Bangladesh Bureau of Statistics (BBS) reports of cropping intensity in the AAPI districts.

Table 5. Net FDP Coverage – Adjusted for Cropping Intensity

District	Gross Rice Area		Cropping Intensity %	Net Rice Area	
	Total UDP Area (ha)	Total NPK Area (ha)		Total UDP Area (ha)	Total NPK Area (ha)
A. FTF Districts					
Bagerhat	35,463	359	121	29,308	297
Barguna	43,665	647	182	23,992	355
Barisal	57,917	224	171	33,870	131
Bhola	24,334	-	208	11,699	-
Chuadanga	22,232	-	166	13,393	-
Faridpur	13,947	-	173	8,062	-
Gopalganj	41,097	-	127	32,360	-
Jessore	70,528	-	182	38,752	-
Jhalokathi	22,812	26	169	13,498	15
Jhenaidah	42,509	-	187	22,732	-
Khulna	14,726	-	127	11,595	-
Madaripur	37,503	-	155	24,196	-
Magura	19,687	-	209	9,420	-
Meherpur	12,364	-	165	7,493	-
Narail	16,774	-	171	9,809	-
Patuakhali	68,574	1,598	178	38,525	898
Pirojpur	33,720	179	143	23,581	125
Rajbari	6,886	-	187	3,682	-
Satkhira	28,216	-	151	18,686	-
Shariatpur	28,237	30	155	18,217	19
FTF Districts Total:	641,190	3,063		392,869	1,841
Mymensingh	201,171	-	183	109,930	-
Sherpur	68,310	-	194	35,211	-
Mymensingh Zone Total	269,481	-		145,141	-
Grand Total	910,671	3,063		538,010	1,841

Source: Gross areas from *Aman* 2011, *Boro* 2012 and *Aus* 2012 block surveys.
Cropping intensity from BBS Census of Agriculture, 2008, pages 40-42.

The block survey was used to estimate the average crop area per farm for *Aus* season. **Table 6** provides the data by district. The average crop area per farm is 79 decimals in the FTF districts and 50 decimals in M&S. This is compared with *Aus* 2011 when the respective areas were 74 decimals in the Barisal region¹¹ and 60 decimals in M&S. It might also be compared with 60 decimals reported by ILSAFARM for the *Aus* crop areas in 2010. The fall in M&S can be explained by the drought. In the southern districts, there remains a steady rise in areas per farm. It indicates that farmers have confidence in the technology.

¹¹ In 2011, the project only covered nine districts in the south.

Table 6. Average Plot Size per Farm in Aus Season 2012

District	Average UDP Plot Size (ha)	Average UDP Plot Size (decimal)
Bagerhat	0.35	87
Barguna	0.56	139
Barisal	0.39	95
Bhola	0.30	75
Chuadanga	0.15	37
Faridpur	0.18	44
Gopalganj	0.14	33
Jessore	0.23	57
Jhalokati	0.31	77
Jhenaidah	0.21	52
Khulna	0.14	34
Madaripur	0.20	48
Magura	0.21	51
Meherpur	0.22	54
Narail	0.18	44
Patuakhali	0.39	96
Pirojpur	0.36	89
Rajbari	0.14	35
Satkhira	0.12	30
Shariatpur	0.14	34
FTF Average	0.32	79
Mymensingh	0.20	50
Sherpur	0.21	51
M&S Average	0.20	50
AAPI Average	0.31	78

Source: Aus block survey 2012, AAPI-IFDC.

Farmer confidence in the technology is also evidenced in the high retention rate from one year to the next. When comparing the number of farmers using FDP technology in Aus 2012 with those in Aus 2011, the retention rate is over 90 percent, except in districts where the drought was severe.

Rural Households Benefited

A household is a beneficiary if it contains at least one individual who is a beneficiary. For AAPI this is defined as an individual engaged with a project activity who has already either shown benefit from the activity or has a high likelihood of gaining benefits due to his/her significant level of engagement with the project. This is calculated from the number of farmers trained and the number of rural entrepreneurs who procured the fertilizer briquette machines at a reduced rate and directly benefited from an intervention of AAPI. This quarter there were 116,708 (116,583 farmers and 125 briquette producers) households directly

benefited (83,463 male and 33,245 female). **Appendix 5** shows the households benefiting by upazila.

Value of Incremental Sales of Rice

This is a core FTF indicator. The Scale-Up Operational Plan sets targets for incremental production and value of incremental production but there was no target for value of incremental sales. The percentage sale of paddy immediately after harvest is determined within the Gross Margin Survey carried out after each season's harvest (see below). **Table 7** uses the increased value of rice (see below) and the percentage of sales to calculate the value of incremental sales for *Aus* season.

Table 7. Value of Incremental Sales from the *Aus* Harvest

	FTF	M&S	Aggregate
Increased value of rice (in million US \$)	16.63	0.67	17.49
Percentage sale of paddy immediately after harvest (%)	24%	27%	24%
Value of incremental sales of rice (in million US \$)	3.99	0.18	4.20

Note: Increased value of rice for FTF, M&S and Aggregate are averages of 416 crop cuts taken from farmer fields.

Gross Margin of Rice Farmers

One of the important core indicators of FTF is gross margin. According to the FTF definition, the gross margin is the difference between the total value of sales of the agricultural item and the cost of producing that item excluding the cost of family labor. Land rent has been included only for those farmers who paid land rent. During *Aus* 2012, AAPI conducted a sample survey¹² of the gross margin realized by participating farmers. The results are presented in **Table 8**. The financial realized gross margin per hectare is estimated at US \$ -12 from UDP plots against \$ -153 from the broadcast urea plot. This result shows the *Aus* crop has not been profitable this year, although the UDP technology did mitigate the losses. This is consistent with the media reports and the voice of the farmers who have been citing high costs of inputs and low prices of rice as disincentives to rice production beyond the family food requirement. The savings in urea and higher yields when using UDP has reduced the losses to something near breakeven.

It should be noted that the gross margin analysis is carried out by season. AAPI has completed gross margin surveys for three seasons (*Aman* 2011, *Boro* 2012 and *Aus* 2012).

¹² The survey selected 383 farmers from 51 upazilas (44 in FTF districts and seven in M&S).

The annual farm gross margin would require an annual survey to recognize the variety of cropping intensity across three seasons. Therefore, there is no available cumulative annual data for **Table 2**. Calculating the cumulative gross margin across the last three seasons and adjusting by the national cropping intensity of 168 percent, the annual figure is \$585/ha.

Table 8. Weighted Average Gross Margin for All Sample Farmers (per ha)

Item	FTF		M&S		Total	
	<i>Guti</i> Urea	Broadcast Urea	<i>Guti</i> Urea	Broadcast Urea	<i>Guti</i> Urea	Broadcast Urea
Total Return in BDT	52,755	44,508	79,560	70,560	53,264	45,009
Total Cost in BDT	53,409	56,536	88,677	87,820	54,206	57,408
Gross Margin in BDT	-654	-12,028	-9,138	-17,261	-942	-12,399
Gross Margin in US \$	-8	-148	-112	-212	-12	-153
Gross Margin (%)	-1%	-21%	-10%	-20%	-2%	-22%
Benefit Cost Ratio (BCR)	0.99	0.79	0.90	0.80	0.98	0.78

Source: Gross Margin Survey - *Aus* 2012.

Note: Percentages are rounded to the nearest one.

Number of Jobs Attributed to FTF Implementation

The number of jobs attributed to AAPI is a new indicator, introduced with the Scale-Up. It was not calculated in Year 1. In the fifth quarterly report (October-December 2011), a calculation was made that included farm labor plus the jobs created at urea briquette shops.¹³ Because this did not match the FTF definition of job creation, in Quarter 6 AAPI changed the calculation to only report on job creation by the *Guti* urea manufacturers. In QPR 6, it assumed seven jobs per briquette machine. In the first week of April 2012, a census was taken from all small businesses that had purchased a *Guti* urea machine through AAPI. There were 553 machines that were operating plus another 40 that had not started production by March 2012.¹⁴ This census was used to determine the jobs created and the disaggregation by gender.

Number of jobs was assumed to be number of full-time employees plus part-time employees. For period October 2010-September 2011, a full-time employee was one who had worked for a minimum of eight months (assuming five days per week for 50 weeks per year = 250 working days in a year), and others were considered part-time employees. The number

¹³ Table 2, QPR 5 October-December 2011, reported 7,546 jobs attributed to FTF.

¹⁴ No jobs data was obtained from these 40 new firms.

of jobs for part-time employees was calculated by dividing the total number of months worked by 12 months per year, as per FTF definition. Part-time employees were counted if they worked at least one month on a continuous basis.

As explained last quarter (QPR 7, April-June 2012), it is estimated that each business creates 1.67 jobs. This is the number now used by AAPI and the achievements in **Table 2**. In the census reported last quarter, it was found that 99 percent of the jobs are male (99 percent in M&S; 98 percent in FTF districts).

Number of Individuals Receiving Short-Term Training

This is an FTF Indicator. It was only introduced in Quarter 7 and therefore has no targets set. The data in **Table 2** for Year 1 and earlier quarters have been calculated from the composite parts. The number of individuals who have received short-term training is calculated from farmer training, training of briquette machine owners, training of government staff and NGOs (training of trainers [TOT]) and training of local mechanics.

Increased Yield of Rice

The incremental yield arising from UDP technology is derived from crop cuts in farmer fields. At the time of the *Aus* harvest, 416 crop cuts were made in farmer fields (345 in FTF and 71 in M&S). Each cut was actually two samples, one within a UDP field and one (nearby) within a broadcast urea field with the same variety and soil type. The samples were threshed, weighed and grain moisture measured. Yield is calculated as kg paddy/ha, adjusted to a moisture content of 14 percent. Paddy yield is converted to rice yield by assuming a mill out of 67 percent. Targets assumed rice yield increments of 535 kg/ha in *Aus* and *Aman* and 670 kg/ha in *Boro*. **Table 9** shows the yield increment for the HYV varieties.

Table 9. HYV Yield Calculated from Farmer Field Crop Cuts – Aus 2012

District	Paddy Yield using Guti Urea (Kg/Ha)	Paddy Yield using Prilled Urea (Kg/Ha)	Yield Difference (kg/ha)		
			Paddy	Rice	%
Bagerhat	5,012	4,523	489	328	11%
Barguna	4,427	4,085	343	229	8%
Barisal	3,616	3,218	397	266	12%
Bhola	4,343	3,685	658	441	18%
Chuadanga	5,504	4,304	1,201	805	28%
Jessore	4,635	4,056	579	388	14%
Jhalokati	4,342	3,574	768	514	21%
Jhenaidah	4,964	4,346	618	414	14%
Khulna	5,047	4,596	451	302	10%
Magura	4,849	3,906	943	632	24%
Meherpur	4,928	4,015	914	612	23%
Narail	5,635	4,680	954	639	20%
Patuakhali	4,410	3,901	510	341	13%
Pirojpur	4,357	3,905	452	303	12%
Satkhira	4,505	3,910	595	399	15%
FTF Average	4,500	3,948	552	370	14%
Mymensingh	3,432	2,846	586	393	21%
Sherpur	3,663	2,954	709	475	24%
M&S Average	3,455	2,857	598	401	21%
AAPI Average	4,318	3,758	560	375	15%
CV (%)	17.51	18.75			

Source: Farmer Field Crop Cuts, Aus 2012, AAPI-IFDC.

Note: Paddy converted to rice assuming a mill out of 67 percent.

Upazila data are averages from all crop cuts within. FTF, M&S and AAPI averages are calculated from the full data set.

All data are averages using the full set of crop cuts (i.e., weighted averages). It is this data that has been used to calculate associated indicators – incremental rice production; value of incremental sales; increased value of rice. These data might also be compared with yields by variety in demonstration plots as provided in **Table 16**. Yields increments were below target largely due to the season. **Table 1** presents the rainfall averages across 12 stations in the FTF districts compared with long-term average in Barisal. Throughout the Aus season, the rainfall was below the long-term average and in the early tillering stages of the crop it was about 40 percent of the long-term average.

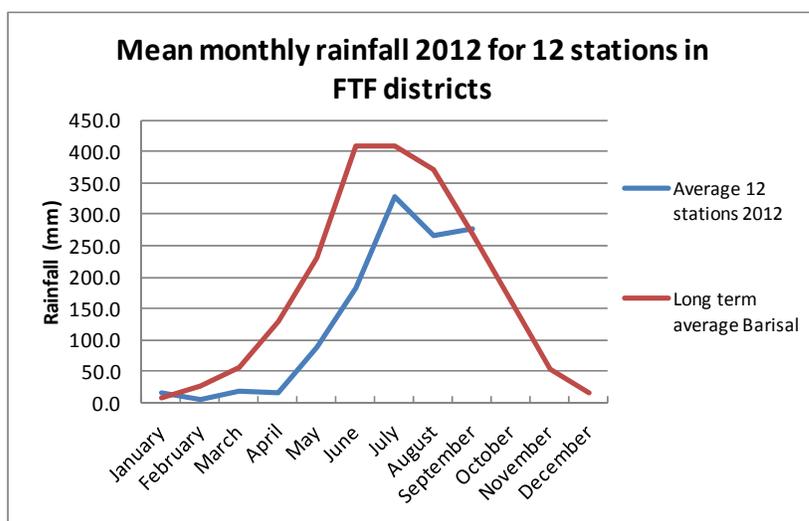


Figure 1 Average Rainfall Across 12 Stations in FTF Districts

Incremental Rice Production

Incremental rice production is a contract indicator.¹⁵ It was calculated from the weighted average yield increments measured by HYV variety crop cuts in farmer fields (see **Table 9**). In *Aus* 2012, the incremental production has been calculated to be 50,751 mt against a target of 89,386 mt. This is a reflection of the low area under UDP (81 percent of target) and the low yield (70 percent of target), all affected by the drought.

Increased Value of Rice

The increased value of rice in **Table 2** is calculated from the incremental rice production, which was derived from the increased yield of rice (see **Table 9**) calculated from weighted average crop cuts in farmer fields with HYV varieties. The target value assumed a rice price of \$320/mt. At the *Aus* harvest, the government of Bangladesh (GOB) procurement price had not changed from *Boro* season and remained \$344.61/mt.¹⁶ This was the price used to calculate the actual increased value of rice. With less rice produced, the increased value was \$17.49 million, against a target of \$28.6 million (61 percent).

Urea Savings

One of the basic tenets of UDP technology is urea savings arising from lower nitrogen losses and more efficient nitrogen uptake by the crop. Urea savings are calculated from data collected from the block survey. This is summarized by district in **Table 10**. Total savings,

¹⁵ CA p. 31: "Rice production increased by 3.32 million tons valued at US \$1.1 billion during the life of the project period."

¹⁶ Assumes government procurement price of Tk 28/kg @ exchange Tk 81.25/US \$ = \$344.61/mt.

calculated by multiplying savings per hectare by total number of hectares under UDP, is 5,684 mt against a target of 8,354 mt. The Scale-Up operational plan assumed a urea saving of 50 kg/ha. **Table 10** reports the savings per hectare by district is between 27 kg/ha in Sherpur and 88 kg/ha in Meherpur, with an average of 46 kg/ha across the whole project (47 kg/ha in FTF and 30 kg/ha in M&S). On average the urea savings with FDP vis-à-vis broadcast application of urea is 29 percent. However, as explained above, the area of UDP coverage is down due to drought, and this brings down the total urea savings to 68 percent of target.

Table 10. Block Survey Results for Urea Savings – Aus 2012

District	Guti Urea (kg/ha)	Prilled Urea (kg/ha)	Urea Saving	
			(kg/ha)	(%)
Bagerhat	109	165	56	34
Barguna	111	146	35	24
Barisal	109	149	40	27
Bhola	112	159	47	29
Chuadanga	112	164	52	32
Faridpur	111	151	39	26
Gopalganj	112	146	34	24
Jessore	115	155	39	26
Jhalokati	109	157	48	30
Jhenaidah	113	159	46	29
Khulna	112	150	38	25
Madaripur	111	159	48	30
Magura	112	152	41	27
Meherpur	112	200	88	44
Narail	111	146	35	24
Patuakhali	109	150	41	27
Pirojpur	110	154	44	28
Rajbari	112	151	39	26
Satkhira	113	161	48	30
Shariatpur	110	151	41	27
FTF Average	111	158	47	30
Mymensingh	117	149	32	22
Sherpur	113	140	27	19
M&S Average	116	146	30	21
AAPI Average	111	157	46	29
CV%	2.43	8.16		

Source: Aus 2012 block survey, AAPI-IFDC.

Value of Urea Saved

The CA targets were set against a urea procurement cost of \$340/mt. The AAPI Scale-Up operational plan used the price of the day which was US \$600/mt. The CA targets are used in **Table 2**. In this quarter, the procurement (import) cost of urea according to MOA, including in-country transport, ranged between \$550 and \$575/mt. An average \$562.5/mt was

used to calculate the value of urea saved. Therefore, while the urea saving is below target the big price differential delivers a value of urea saved as \$3.2 million against a target of \$2.84 million (113 percent).

GOB Saving on Urea Subsidy

The CA targets assumed a price of urea as \$340/mt and a dealer price of \$145,¹⁷ resulting in a subsidy of \$195/mt. Since the price increase on June 1, 2011, the government has held the dealer price of urea at Tk 18,000 (221.54)/mt.¹⁸ For this quarter, assuming an open market price of \$562.5/mt, the subsidy amounts to \$340.96/mt. Using such data **Table 2** calculates the reduction in subsidy through using *Guti* urea (as saving to GOB) in the *Aus* season to be US \$1.94 million against the target of US \$1.63 million. As for value of urea saved, the achievement was attributed to the large price differential between GOB price and market price for urea, providing a large subsidy per metric ton.

Average Incremental Value per Hectare

The average incremental value per hectare is a custom indicator. It is estimated by dividing the total incremental rice value by the total UDP area. In *Aus* season the components in its calculation are all down due to the drought.

Farmers Trained

Farmer training this quarter was for the *Aman* season. A total of 116,583 farmers completed training under the AAPI project during the quarter. **Table 13** shows 83,360 were men and 33,223 were women (28 percent). As reported last quarter, there were also 39 batches of farmer training for *Aman* farmers in the last two weeks of June. All of the farmers trained were “new recruits” with no prior experience with FDP technology.

FDP Machines in Operation

During the quarter 125 machines were sold against a target of 90. This was in preparation for the *Aman* season. The cumulative figures in **Table 2** show the project is well ahead of target (827 machines sold to September against a target of 660). The 208 machines supplied under ILSAFARM are also in operation. **Appendix 6** lists the numbers and their production by upazila.

¹⁷ Dealer price of Tk 10/kg at exchange rate of \$1 = Tk 69.

¹⁸ Dealers generally markup TK 2/kg, resulting in a farmer price of Tk 20/kg.

Activities

The project activities are reported against those listed in **Table 2** of the Second Year Annual Workplan (revised).¹⁹ The number of activities and the intensity of engagement vary by season. In this, the eighth quarter, 16 activities were active. **Table 11** shows the project has met or exceeded the target in 15 of the activities.

The FDP trials have been modified to accommodate windows of opportunity. The variety and design of trials require more work on fewer trials to address area specific technical issues. This multidimensional approach does not allow the large number of trials to be implemented as expected from the unidimensional approach in the workplans. However, more information is produced to facilitate the advance of the technology.

¹⁹ Includes Scale-Up and GHG activities.

**Table 11. AAPI Achievement of Technical Activities in Year 2
(A) By Quarter**

Activity Indicators	Unit	October-December 2011									January-March 2012								
		FTF		M&S		Total		%			FTF		M&S		Total		% of Achievement		
		T	A	T	A	T	A	FTF	M&S	Total	T	A	T	A	T	A	FTF	M&S	Total
<i>Technology Transfer</i>																			
Training of extension staff (DAE and NGO)	Batch	53	44	3	3	56	47	83	100	84	10	8	-	-	10	8	80		80
Motivational meeting with extension staff	No.	32	-	8	3	40	3	0	38	8	15	20	5	15	20	35	133	300	175
Farmer training on FDP and AWD	Batch	989	1,253	371	494	1,360	1,747	127	133	128	1,542	1,311	578	461	2,120	1,772	85	80	84
Motivational meeting with early adopters	No.		106		75		181					156		92		248			
Farmers orientation for demos and trials	Batch	12	12	4	4	16	16	100	100	100	-	4			-	4			
Field demonstrations on rice	No.		8		-		8	62	0	44		326		113		439 ^a	102	104	102
Field demonstrations on vegetable	No.	13	44	5	9	18	53				320	7	109	4	429 ^a	11			
Field trials on rice	No.		1		-		1	33	0	25		25		10		35	109	111	109
Field trials on vegetable	No.	3	12	1	3	4	15				23	1	9	-	32	1			
Field days	No.	24	30	26	22	50	52	125	85	104		1			-	1			
Crop cuts in farmers field	No.	170	172	130	127	300	299	101	98	100					-	-			
Motivational field trips	No.	31	5	10	10	41	15	16	100	37	4	9	1	2	5	11	225	200	220
Stakeholders workshops	No.	21	4	3	2	24	6	19	67	25	18	29	1	1	19	30	161	100	158
Meeting with fertilizer and seed committee	No.	10	-	2	1	12	1	0	50	8	9	-	3	3	12	3	0	100	25
Award ceremony	No.					-	-								-	-			
Open sky show	No.	4	4	4	4	8	8	100	100	100	36	72	19	15	55	87	200	79	158
<i>Improving Farmers' Access</i>																			
Selling briquette machines at 75% subsidized rate	No.	97	159	23	10	120	169	164	43	141	24	142	6	27	30	169	592	450	563
Training of briquette producers/fertilizer dealers	Batch	6	7	2		8	7	117	0	88	1	11	3	4	4	15	1100	133	375
<i>Policy Analysis and Reform</i>																			
Policy assessment	No.																		
Policy dialogues	No.					5	8	160							1	2	200		
Market information reports (AAPI News Bulletin)	No.					3	3	100							3	3	100		
Regional study tour	No.																		
<i>Building Institutional Capacity</i>																			
Training of BFA/SRDI/DAE staff	Batch														1	1	100		
<i>Development of Applicator</i>																			
Grants to universities	No.					1	1	100							-	-			
Field testing of applicators	No.														1	1	100		
National workshop	No.														-	-			

T= Target; A= Achievement

a. Target for Boro season is 447 demonstrations (rice and vegetables). Quarter 5 reported eight rice demonstrations and 58 vegetable demonstrations were established.

b. Applicator distribution.

(cont'd) **AAPI Achievement of Technical Activities in Year 2**
By Quarter (cont'd)

Result Indicators	Unit	April-June 2012									July-September 2012								
		FTF		M&S		Total		%			FTF		M&S		Total		%		
		T	A	T	A	T	A	FTF	M&S	Total	T	A	T	A	T	A	FTF	M&S	Total
<i>Technology Transfer</i>																			
Training of extension staff (DAE and NGO)	Batch	-	10	-	1	-	11					-	-	-	-	-	-		
Motivational meeting with extension staff	No.	13	13	2	4	15	17	100	200	113	7	17	3	7	10	24	243	233	240
Farmer training on FDP and AWD	Batch	659	817	222	156	881	973	124	70	110	2,148	2,383	489	532	2,637	2,915	111	109	111
Motivational Meeting with earlier adopter	No.	112	205	23	61	135	266	183	265	197	188	241	154	233	342	474	128	151	139
Farmers orientation for demonstrations and trials	Batch	7	7	2	2	9	9	100	100	100	18	18	8	8	26	26	100	100	100
Field demonstrations on rice	No.	116	161	13	25	129	186	139	192	144	335	408	87	144	422	552	122	166	131
Field demonstrations on vegetable	No.		5		5		10					2			2				
Field trials on rice	No.	10	10	4	3	14	13	100	75	93	27	19	9	9	36	28	70	100	78
Field trials on vegetable	No.		-		-		-	NA	NA	NA									
Field days	No.	40	39	13	20	53	59	98	154	111	13	19	2	3	15	22	146	150	147
Crop cuts in farmers field	No.	403	399	185	187	588	586	99	101	100	140	345	27	71	167	416	246	263	249
Motivational field trips	No.	7	15	2	4	9	19	214	200	211	8	8	2	2	10	10	100	100	100
Stakeholders workshops	No.	18	22	-	2	18	24	122		133	7	27	1	8	8	35	386	800	438
Meeting with fertilizer and seed committee	No.	10	2	2	-	12	2	20	-	17	6		3		9	-	-	-	-
Award ceremony	No.	-	-	-	-	-	-	NA	NA	NA					1	1			100
Open sky show	No.	20	4	5	4	25	8	20	80	32		7		5	-	12			
<i>Improving Farmers' Access</i>																			
Selling briquette machines at 75% subsidized rate	No.	149	97	1	12	150	109	65	1200	73	88	110	2	15	90	125	125	750	139
Training of briquette producers/fertilizer dealers	Batch	8	10	4	1	12	11	125	25	92	5	10	2	1	7	11	200	50	157
<i>Policy Analysis and Reform</i>																			
Policy assessment	No.																		
Policy dialogues	No.																		
Market information reports (AAPI News Bulletin)	No.					3	3			100					3	3			100
Regional study tour	No.																		
<i>Building Institutional Capacity</i>																			
Training of BFA/SRDI/DAE staff	Batch																		
<i>Development of Applicator</i>																			
Grants to universities	No.																		
Field testing of applicators	No.																		
National Workshop ^b	No.														1	1			100

T= Target; A= Achievement

a. Target for *Boro* season is 447 demonstrations (rice and vegetables). Quarter 5 reported eight rice demonstrations and 58 vegetable demonstrations were established.

b. Applicator distribution.

Color Codes: =>90% –met or exceeded target ■ 80-89% –making progress ■ <79% –below target. ■

(B) Cumulative Through September 2012

Result Indicators	Unit	Year 1 (Actual)			Year 2 (Actual)			AAPI Progress through September 2012									
		FTF	M&S	Total	FTF	M&S	Total	FTF		M&S		Total		%			
		Actual	Actual	Actual	Actual	Actual	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	FTF	M&S
<i>Technology Transfer</i>																	
Training of extension staff (DAE and NGO)	Batch	45	17	63	62	4	66	106	107	20	21	126	129	101	105	102	
Motivational meeting with extension staff	No.	-	-	-	50	29	79	67	50	18	29	85	79	75	161	93	
Farmer training on FDP and AWD	Batch	2,557	1,587	4,144	5,764	1,643	7,407	7,891	8,321	3,107	3,230	10,998	11,551	105	104	105	
Motivational Meeting with earlier adopter	No.	489	41	530	708	461	1,169	562	1,197	347	502	909	1,699	213	145	187	
Farmers orientation for demonstrations and trials	Batch	11	12	23	41	14	55	48	52	26	26	74	78	108	100	105	
Field demonstrations on rice	No.	499	455	954	903	282	1,185	1,218	1,402	580	737	1,798	2,139	115	127	119	
Field demonstrations on vegetable	No.	9	14	23	58	18	76		67		32		99				
Field trials on rice	No.	31	34	65	55	22	77	89	86	47	56	136	142	97	119	104	
Field trials on vegetable	No.	-	-	-	13	3	16		13		3		16				
Field days	No.	54	47	101	89	45	134	128	143	90	92	218	235	112	102	108	
Crop cuts in farmers field	No.	443	461	904	916	385	1,301	1,328	1,359	897	846	2,225	2,205	102	94	99	
Motivational field trips	No.	29	23	52	37	18	55	74	66	41	41	115	107	89	100	93	
Stakeholders workshops	No.	32	16	48	82	13	95	88	114	21	29	109	143	130	138	131	
Meeting with fertilizer and seed committee	No.	-	-	-	2	4	6	35	2	10	4	45	6	6	40	13	
Award ceremony	No.	-	-	-	-	-	1	-	-	-	-	2	1	-	-	50	
Open sky show	No.	28	30	58	87	28	115	88	115	58	58	146	173	131	100	118	
<i>Improving Farmers' Access</i>																	
Selling briquette machines at 75% subsidized rate	No.	121	134	255	508	64	572	418	629	242	198	660	827	150	82	125	
Training of briquette producers/fertilizer dealers	Batch	15	10	25	38	6	44	33	53	23	16	56	69	161	70	123	
<i>Policy Analysis and Reform</i>																	
Policy assessment	No.	-	-	1	-	-	-	-	-	-	-	1	1	-	-	100	
Policy dialogues	No.	-	-	1	-	-	10	-	-	-	-	11	11	-	-	100	
Market information reports (AAPI News Bulletin)	No.	-	-	7	-	-	9	-	-	-	-	16	16	-	-	100	
Regional study tour	No.	-	-	-	-	-	-	-	-	-	-	1	-	-	-	0	
<i>Building Institutional Capacity</i>																	
Training of BFA/SRDI/DAE staff	Batch	-	-	1	-	-	1	-	-	-	-	5	2	-	-	40	
<i>Development of Applicator</i>																	
Grants to universities	No.	-	-	3	-	-	1	-	-	-	-	5	4	-	-	80	
Field testing of applicators	No.	-	-	2	-	-	1	-	-	-	-	4	3	-	-	75	
National Workshop	No.	-	-	-	-	-	1	-	-	-	-	1	1	-	-	100	

T= Target; A= Achievement

a. Target for *Boro* season is 447 demonstrations (rice and vegetables). Quarter 5 reported eight rice demonstrations and 58 vegetable demonstrations were established.

b. Applicator distribution.

Participation of Women in Project Activities

The AAPI CA specifies a target of 20 percent participation in all project activities.²⁰ The project defines a woman participant attending a project activity as an active decision-maker in her household. The 20 percent participation rate is seen as a minimum requirement; seasonal workplans have gradually raised targets first to 25 percent, then 30 percent and in the coming *Boro* season it has been set as 50 percent, with targets of 50-100 percent set for activities associated with vegetable production and home gardens. The AAPI strategy aims to generate family and community acceptance of women's participation in agriculture. AAPI supports women leaders in the promotion of new technologies and ensures women have equal access to benefits. AAPI has initiated the whole village approach in its model village program to establish gender equity in access to resources and benefits. **Table 12** provides the percentage of female participation in 17 project activities.

Table 12. Participation of Women in Selected Project Activities

Activity	% Participation of Women						
	Total Year 1	July-September 2012			Year 2		
		Total	FTF	M&S	Total	FTF	M&S
Training of extension staff (DAE and NGO)	9	0	0	0	10	10	9
SAAO meeting	NA	11	10	13	10	10	10
Farmers' training on FDP	23	28	29	27	28	29	26
Farmers' orientation for demonstrations and trials	17	28	26	32	28	28	30
Field demonstrations (rice)	19	29	30	26	25	26	25
Field demonstrations (vegetable)	39	100	100	NA	96	95	100
Field trials (rice)	17	29	26	33	32	35	27
Field trials (vegetable)	NA	NA	NA	NA	94	100	67
Field days	28	30	32	15	29	31	23
Motivational field visits	21	29	29	31	30	31	28
Motivational (stakeholder) workshops	15	13	12	17	19	20	16
Meeting with Fertilizer and Seed Committee	NA	NA	NA	NA	1	0	2
Sale of briquette machines	13	18	19	7	20	20	19
Technical training of briquette producers/fertilizer dealers	4	4	4	NA	7	7	9
Business management training	4	15	15	14	16	16	14
Motivational meetings with experienced farmers	20	27	29	26	25	26	25
Open sky shows	13	15	16	14	15	15	16

Source: AAPI-IFDC database 2012.

NA = Not applicable for this quarter.

Table 12 shows there has been a distinct increase in women participation from Year 1 to Year 2. In this quarter, eight activities were showing a participation rate greater than 25 percent. Farmer training, demonstrations, trials and motivational field visits are now consistently around 30 percent women participation. More effort is still required for

²⁰ CA page 26, Gender Dimensions.

stakeholder workshops. In this quarter, there were many workshops held with fertilizer industry personnel (BCIC dealers and retailers) and the fertilizer industry is a male-dominated industry. Activities around DAE staff are governed by the gender distribution of the staff and this is male dominated. Open sky shows are held in the early evening. This is a time when women are busy in the house. Sale of briquette machines and the subsequent training tends to be dominated by men. Women do enter the business and they are often the best entrepreneurs. They do serve as role models and slow progress is being made with sales of briquette machines to women entrepreneurs. Getting these women to attend training has improved after a change in approach to allow women entrepreneurs to bring their husband/brother/father to training and splitting the two-day residential training into two separate days with a break in between to allow women to maintain family commitments.

Technology Transfer

Training of Extension Staff (SAAO) and NGOs – All TOTs required for the annual plan and the Scale-Up operational plan was completed last quarter. **Appendix 7** provides the annual training by upazila.

Motivational Meetings with DAE Extension Staff – The activity was introduced within the scale-up operational plan. The scale-up process has required a resurgence of commitment by DAE field staff. Motivational meetings are intended to provide the renaissance. AAPI senior staffs attend the meetings as a follow up to TOT to guide and discuss progress and problems. As reported in **Table 11 and Appendix 8**, a total of 24 meetings were held this quarter with 743 SAAOs of whom 84 were women. The activity started slowly in the first quarter of Scale-Up but has gained momentum since then.

Farmer Training on FDP and AWD Technologies – The farmer training programs are designed to improve farmer knowledge of crop management in general, with emphasis on increasing awareness and knowledge of soil fertility management and the role of FDP, AWD and use of good quality seeds. Training takes place in batches of 40 farmers trained by SAAO or NGO as the resource person. In some instances, in the absence of a trained trainer, the FMO is the resource person. The FMO is responsible for the administration, according to guidelines set by the project. This arrangement helps build the farmer training into the mainstream of DAE and NGO field programs. In this quarter the training was for the *Aman* season. As shown in **Table 13**, 28 percent of the participants were women, not necessarily

heads of household but women who are actively engaged in agriculture within the farm family.

Table 13 provides the training records since project inception. As indicated, training was provided to two thousand nine hundred and fifteen “batches” during this quarter; a total of 116,585 farmers were trained. As always, DAE was the principal partner. Eight percent of the training was conducted through local NGOs. Details of training by upazilas are provided in **Appendix 9**.

Table 13. AAPI Farmer Training Through September 2012

Quarter	Districts	Batches of Training				Number of Farmers			
		DAE	NGO	BADC	Applicator	Total	Men	Women	Total
Year 1 actual	FTF	2,447	110			2,557	77,857	24,402	102,259
	M&S	1,521	66			1,587	49,621	13,831	63,452
	Total Year 1	3,968	176			4,144	127,478	38,233	165,711
Oct-Dec 2011	FTF	1,213	39		1	1,253	36,062	14,011	50,073
	M&S	452	42			494	14,861	4,899	19,760
	Total	1,665	81		1	1,747	50,923	18,910	69,833
Jan-Mar 2012	FTF	995	208	15	93	1,311	37,251	15,189	52,440
	M&S	345	69		47	461	13,715	4,725	18,440
	Total	1,340	277	15	140	1,772	50,966	19,914	70,880
Apr-Jun 2012	FTF	785	32			817	22,909	9,763	32,672
	M&S	139	17			156	4,412	1,828	6,240
	Total	924	49			973	27,321	11,591	38,912
Jul-Sep 2012	FTF	2,265	118			2,383	67,817	27,493	95,310
	M&S	461	71			532	15,543	5,730	21,273
	Total	2,726	189			2,915	83,360	33,223	116,583
Total Year 2	FTF	5,258	397	15	94	5,764	164,039	66,456	230,495
	M&S	1,397	199	0	47	1,643	48,531	17,182	65,713
	Total Year 2	6,655	596	15	141	7,407	212,570	83,638	296,208
Total project to date	FTF	7,705	507	15	94	8,321	241,896	90,858	332,754
	M&S	2,918	265	0	47	3,230	98,152	31,013	129,165
	Total Project	10,623	772	15	141	11,551	340,048	121,871	461,919

Source: AAPI-IFDC Database.

Motivational Meetings With Early Adopters – This is not a scheduled activity in the Annual Plan, and therefore no targets are set. The experience from ILSAFARM has been instructive and follows the general extension experience for diffusion of technology into a farming population. Mobilizing and motivating farmers already using UDP technology requires continual efforts to hold farmers’ attention on the technology and its benefits. A key lesson learned from ILSAFARM was that the *Guti* urea adopters from last year required re-educating. The project uses farmer meetings as an effective way to remind farmers of the benefits that they received in the earlier season when they used *Guti* urea. It aims to renew

their commitment in the new season. In this quarter, the motivation is required for *Aman* farmers. Four hundred and seventy-four meetings were reported in the quarter with 21,643 *Aman* farmers (5,947 women [27 percent]). Details by upazila are provided in **Appendix 10**.

Field Demonstrations – In this quarter, the demonstrations for the *Aus* season were harvested and those for *Aman* season were planted. The data reported in **Table 11** are for demonstrations that have been established in the quarter. AAPI has technology results demonstrations for both rice and vegetables (and banana).

Aus Season

Table 14 provides the numbers of *Aus* season demonstrations that were harvested against those established. **Map 3** and **Map 4** show the demonstrations were concentrated in the far south where they had access to irrigation from river tides. The dry conditions in the rest of the project area prevented a good spread of demonstrations. Three *Aus* demonstrations were damaged by flood in Dumki, Patuakhali district, Jhalakati Sadar and Pirojpur Sadar.

Brinjal (eggplant) is planted year round. Harvest starts two months after planting and continues for six or seven months. In that time there are 12-15 pickings. The brinjal crops reported as harvested in **Table 14** have completed picking. They were established between January and March 2012. Those listed as being planted will continue to be harvested in later quarters.

Table 14. Field Demonstrations Managed in *Aus* 2012 Season

Type of Demonstration	Total Target	Number of Demonstrations Managed in <i>Aus</i> season (July-September)					
		AAPI Total		FTF Districts		M&S Districts	
		Established	Harvested	Established	Harvested	Established	Harvested
UDP in rice	129(26)	186(48)	183(47)	161(42)	158(41)	25(6)	25(6)

Type of Demonstration	FTF Districts				M&S Districts				Total			
	Planted	Harvested			Planted	Harvested			Planted	Harvested		
		Jan-Mar	Apr-Jun	July-Sept		Jan-Mar	Apr-Jun	July-Sept		Jan-Mar	Apr-Jun	July-Sept
Eggplant (brinjal)	19(18)*	3(1)	9(6)	6(6)	8(8)*	-	2(2)	1(1)	27(26)*	3(1)	11(8)	7(7)

Source: AAPI-IFDC database.

Note: Figures within parentheses indicate number of women farmers leading the demonstration.

* Plantings in January through September.



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AAPI UDP Trial and Demo Plots Aus 2012, FtF Zone

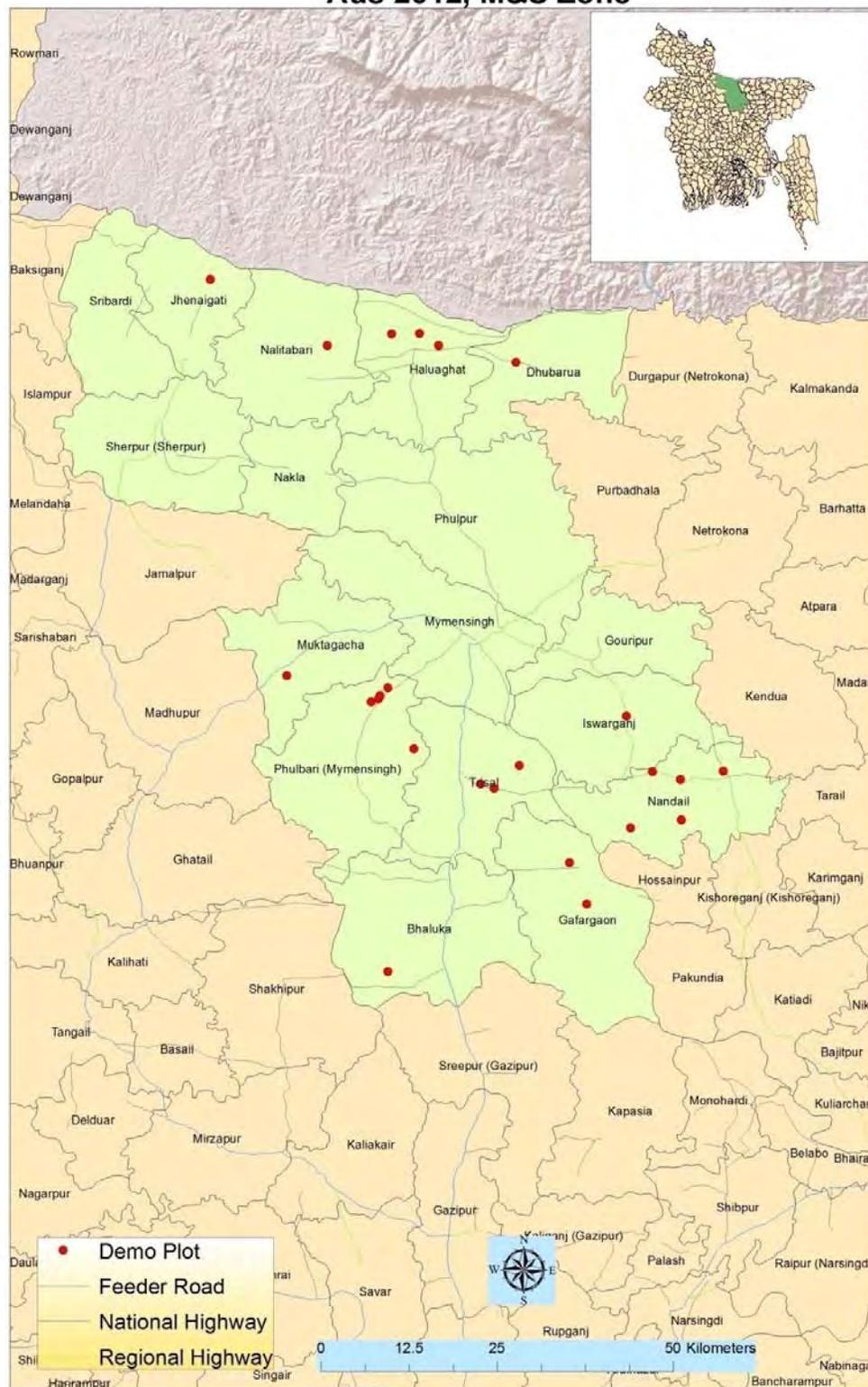


Map 3. Location of UDP Demonstrations and Trials Established During Aus 2012 in FtF Districts



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AAPI UDP Demo Plots Aus 2012, M&S Zone



Map 4. Location of UDP Demonstrations and Trials Established During Aus 2012 in M&S Districts

Results of UDP Rice Demonstrations – **Table 15** lists the varieties planted in demonstrations. It was intended to plant fewer varieties, but seedlings were lost when local flooding from tidal water and heavy rain inundated the seed bed. Farmers had no choice but to plant whatever varieties were available. **Table 16** provides the crop cut results by variety for 161 demonstrations. The remaining 22 demonstrations were of varieties with insufficient number for analysis. The 16 percent yield increase from UDP is consistent with the crop cut data from farmers' field (**Table 9**).

Table 15. Varieties Planted in Aus Demonstrations

Variety	No. of Aus & UDP Demo Established
BINA dhan- 8	1
Biplob	1
BR-14	4
BR-20	2
BR-21	1
BR-26	29
BRRi dhan-27	42
BRRi dhan-28	6
BRRi dhan-42	1
BRRi dhan-43	10
BRRi dhan-47	1
BRRi dhan-48	80
BRRi dhan-50	1
Bijack	1
Bybird	2
Jamaibabo	1

Table 16. Effect of N-Fertilizer Applied as Broadcast Urea or UDP on the Grain Yield (kg/ha) of Different Rice Varieties Grown in Aus 2012 (Demo)

Cultivars (Varieties)	No. of Demonstrations	Yield (kg/ha)				Yield Difference	
		UDP (Guti Urea)		Broadcast Urea		(kg/ha)	(%)
		Average	Coefficient of Variation	Average	Coefficient of Variation		
BR 26	29	4,540	19.25	3,718	18.69	822	22
BRRi dhan-27	42	4,464	14.77	3,858	16.23	606	16
BRRi dhan-43	10	3,927	20.75	3,373	20.64	554	16
BRRi dhan-48	80	5,203	12.38	4,573	15.32	630	14

Note: 22 demonstrations were of other varieties.

Table 16 shows that BRRi dhan-48 variety produced the highest yield when using UDP (5,203 kg/ha), followed by BR-26 (4,540 kg/ha), BRRi dhan-27 (4,464 kg/ha) and BRRi dhan-43 was the lowest yielding (3,927 kg/ha). A similar order of grain production was

also observed with broadcast application of urea. In term of yield difference between the *Guti* urea and broadcast urea, the maximum difference was observed with BR-26 followed by BRR dhan-48, BRR dhan-27 and BRR dhan-43.

The demonstration data was also used to look at the influence of nitrogen fertilizer application on such parameters as crop duration, fertilizer use and cost. **Table 17** shows there were significantly higher amounts of N fertilizer (55 kg/ha) applied as broadcast urea; also significantly higher cost was incurred when N fertilizer was applied as broadcast urea. It is showing that the deep placement of urea will reduce the fertilizer cost substantially (Tk 889/ha), which is a financial benefit for the rice farmers; the application of N-Fertilizer using UDP significantly increases the yield of paddy over the broadcast application (662 kg/ha). This can be compared with 560 kg/ha (for HYV varieties) recorded from crop cuts in farmer’s field (**Table 9**). **Appendix 11** provides the yield data by upazila.

Table 17. The Influence of N Fertilizer Application Method on Fertilizer Used, Cost of Fertilizer and Grain Yield of Rice *Aus* 2012 Demos

Events	Fertilizer Used Average	Fertilizer Cost Average	Yield Average
	(kg/ha)	(Tk./ha)	(kg/ha)
UDP (<i>Guti</i> urea)	113	2,567	4,752
Broadcast urea	168	3,452	4,089
Difference	55	(889)	662
CV	1.32	4.36	18.8
LSD (at alpha 05)	.38	26.96	170.83

Note: Price of fertilizer: Prilled urea: 20.16 Tk/kg
Guti urea: 22.48 Tk/kg

Results of Vegetable Demonstrations – Eggplant (Brinjal) was the only vegetable crop in production in this quarter. Harvest occurs as several pickings. Data are collected by the farmer at each picking and reported to the FMO, who monitors the progress of the harvest. The final results are presented in **Table 18**. As indicated, with 6 demonstrations completed in the FTF districts, the eggplant yield difference with *Guti* urea versus broadcast application of urea was 4,277 kg per ha; a 20% yield improvement with *Guti* urea. **Appendix 12** provides the detail for each demonstration.

Table 18. Average Yields of Vegetable Demonstrations That Were Completely Harvested July-September 2012

FTF Districts

Crop	No. of Demos	Guti Urea Yield (kg/ha)	Broadcast Urea Yield (kg/ha)	Yield Difference (kg/ha)
Eggplant	6	25,675	21,398	4,277

Mymensingh and Sherpur Districts

Crop	No. of Demos	Guti Urea Yield (kg/ha)	Broadcast Urea Yield (kg/ha)	Yield Difference (kg/ha)
Eggplant	1	10,423	8,991	1,433

Associated with these yield differences were savings on urea. **Table 19** compares UDP with broadcast urea.

Table 19. Urea Savings in Vegetable Demonstrations

Crop	UDP	Broadcast Urea	Urea Savings	
	(kg/ha)	(kg/ha)	(kg/ha)	%
FTF Districts				
Brinjal	213.66	268.74	55.081	20.5%
M&S Districts				
Brinjal	260.09	301.34	41.25	13.7%

Guti urea increased yield by 20 percent with urea saving of 20 percent in the FTF districts. In the M&S districts, only one demonstration was harvested during the period and yield was poor due to disease infestation.

Aman Season

Table 20 reports there have been 524 field demonstrations established for *Aman* season, well above target, through the quarter. Of these, 522 were UDP demonstrations for *Aman* season. Only two were brinjal demonstrations. The wet season is not conducive to vegetable production. **Appendix 13** and **Appendix 14** provide the lists of demonstrations by upazila for the season and the year. **Map 3** and **Map 4** show their distribution.

Table 20. Demonstrations for Aman Season 2012

Demonstration	Target	Established		
		FTF	M&S	Total
UDP (Guti urea)	422	408(122)	144(37)	522(159)
Brinjal (eggplant)	8	2(2)		2(2)
Total	430	410(124)	144(37)	524(161)

Number in parenthesis indicates number of demonstrations where a woman farmer is leading the demonstration.

Field Trials – Like the demonstrations, in this quarter the trials for the *Aus* season were harvested and those for *Aman* season were planted. **Table 21** lists the *Aus* season trials. It shows AAPI has trials for both rice and vegetables. **Map 3** shows their distribution.

Aus Season

QPR 7 (April-June 2012) explained, from *Aus* season, the project had ceased to conduct standard NPK trials. There has been adequate data collected through ILSAFARM and AAPI Year 1 to demonstrate the benefits of NPK deep placement. The NARs (BIRRI and BARI) are now running independent verification in their own field trials on station and in farmer fields before submitting the results to the national fertilizer committee for their approval of the technology, allowing its rollout in an extension campaign.

AAPI trials are now to address specific technical problems identified by farmers and extension workers. These are to be replicated trials, with considerable additional work required in design, establishment and management (hence fewer trials). In *Aus* season, they were designed to look at the effects of UDP in dibble seeded rice crops as practiced in Bhola and to look at FDP in soils deficient in phosphorus and potassium. The reconciliation of trial targets, established and harvested, are presented in **Table 21**; all were on the rice crop. **Appendix 15** provides the treatment details. In trials within the same AEZ, the NPK formula in T3 and T4 was the same across different locations.

Table 21. Reconciliation of *Aus* Season Trials – Targets, Established and Harvested

Type of Trial	Total Target	Number of Trials Managed in <i>Aus</i> Season (July-September)					
		AAPI Total		FTF Districts		M&S Districts	
		Established	Harvested	Established	Harvested	Established	Harvested
Dibble Planting	14	1	1	1	1		
NPK Omission – non-saline soil		2(1)	2(1)	2(1)	2(1)		
NPK Omission – saline soil		2(2)	2(2)	2(2)	2(2)		
NPK Omission – Old Brahmaputra Flood Pl.						2 trials planned but not established due to drought	
Applicator*		8(3)	8(3)	5(3)	5(3)	3	3
Total	14	13(6)	13(6)	10(6)	10(6)	3	3

Source: AAPI-IFDC database.

Note: Figures within parentheses indicate number of women farmers leading the demonstration.

* The applicator performance was reported in QPR 7. The harvest is reported in this quarter.

Results of Rice Trials – Five replicated trials were harvested against a target of seven. Three (60 percent) were with women farmers.²¹ **Appendix 16** provides the results by upazila. Two trials were planned for M&S districts but could not establish due to scarcity of water.

Dibble Seeded Rice Trial – Conducted in Bhola sadar upazila under Bhola district. The results reported in **Table 22** indicate deep placement treatments (T₂, T₃ and T₄) produced taller plants, with more tillers and panicles and higher yields than that of broadcast urea even though the nutrient dose of the broadcast urea treatment (T₁) was the highest. Of the fertilizer deep placed treatments with different days after seedling emergence, deep placement at 30 days after seedling emergence produced the highest yield and yield parameters over others (T₂ and T₃) although the difference was not statistically significant. The results indicated that in dibble seeded rice, 30 days after seedling emergence is the appropriate time of fertilizer deep placement.

Table 22. Effect of Dibble Planting With UDP on Plant Height, Tiller, Panicle and Grain Yield of Aus Rice in FTF Districts (Bhola Sadar, Bhola)

Treatment ^a	Plant Height	Tiller	Panicles	Grain Yield
	(cm)	(No./m ²)	(No./m ²)	(kg/ha)
T ₁	104	214	208	4,133
T ₂	108	236	222	4,230
T ₃	108	253	247	4,248
T ₄	112	289	279	4,775
CV (%)	3.13	10.51	10.19	9.58
LSD (.05)	5.21	40.13	37.46	641.68

a. Treatments in AEZ 18.

Nutrient (N P K) Omission Trials – These were conducted on P deficient saline and non-saline soils in different AEZ. Treatments, described in **Appendix 15** varied according to agro-ecological zone (AEZ).

²¹ A trial is counted as a woman farmer if a female member of the household is the active person in managing the trial with the project.

Table 23. Effect of NPK Omission on Grain Yield, Plant Height, Tiller and Panicle for Aus in FTF Districts

Patuakhali Sadar: non-saline, AEZ 13

Treatment	Plant Height	Tiller	Panicles	Grain Yield
	(cm)	(No./m ²)	(No./m ²)	(mt/ha)
T ₁	81	229	210	2497
T ₂	95	264	252	4387
T ₃	98	380	368	4730
T ₄	99	298	294	5297
T ₅	102	375	362	5060
T ₆	95	274	274	4763
CV (%)	2.18	9.67	9.11	8.80
LSD (.05)	3.70	52.19	47.53	697.46

Morrelgonj, Bagerhat: saline, AEZ 13

Treatment	Plant Height	Tiller	Panicles	Grain Yield
	(cm)	(No./m ²)	(No./m ²)	(mt/ha)
T ₁	119	137	134	2013
T ₂	128	238	235	3627
T ₃	134	251	248	3733
T ₄	139	302	300	4103
T ₅	136	315	313	4360
T ₆	122	257	253	3777
CV (%)	2.79	2.95	3.28	3.75
LSD (.05)	6.43	13.12	14.42	240.18

Sharsha, Jessore: non-saline, AEZ 11

Treatment	Plant Height	Tiller	Panicles	Grain Yield
	(cm)	(No./m ²)	(No./m ²)	(mt/ha)
T ₁	113	387	324	3963
T ₂	117	367	314	4467
T ₃	113	363	310	4547
T ₄	113	362	317	4910
T ₅	116	392	334	5043
T ₆	116	376	301	4407
CV (%)	1.99	6.01	5.78	7.25
LSD (.05)	4.06	40.06	32.57	587.37

The results of **Table 23** indicate that N is the major limiting nutrient. Omission of P and K did not significantly reduce the yield. All the deep placement treatments (T₃, T₄, T₅) were superior. There was no statistical difference between the 2.40 and 3.40 gram NPK briquette although at Patuakhali the 2.4 gram was sufficient. This indicates farmers will save money with a lower dose of fertilizers needed for Patuakhali.

Results of Applicator Trial – Applicator trials were designed to test performance and results when *Guti* urea was applied using new models of applicator. Eight trials were completed, four included the BARI applicator and four did not.

Table 24 Results of Applicator Trials

4 Treatments

Method of Application	Speed of Operation (km/hr)	<i>Guti</i> Urea Application Rate (kg/ha)	Time Required for <i>Guti</i> Urea Application (hr/ha)	<i>Guti</i> Urea Application Cost (Tk/ha)	Grain Yield (kg/ha)
IFDC Single row	2.66	108	16.67	725	4,144
IFDC Double row	2.02	112	11.11	442	3,973
IFDC-BAU applicator	1.94	120	11.11	474	3,755
Hand placement	-	112	33.33	1,206	4,309
CV (%)	14.85	8.71	16.00	22.28	29.19
LSD (0.05)	0.52	15	50	244	1,819

3 Treatments

Method of Application	Speed of Operation (km/hr)	Guti Urea Application Rate (kg/ha)	Effective Field Capacity (hr/ha)	Guti Urea Application Cost (Tk/ha)	Grain Yield (kg/ha)
IFDC Single row	2.51	99	14.28	638	4,085
IFDC Double row	1.88	101	9	412	4,097
Hand placement	-	116	33.33	1327	4,197
CV (%)	26.59	15.60	40.44	25.84	37.68
LSD (0.05)	1.00	26	20	327	2,487

The results show the operation speed (km/hr) of the single row applicator was higher than other applicators although the double row double rows had lowest hours per hectare. The recommended application was 112 kg/ha. The double row applicator and hand placement achieved this. There was a considerable variation in the three treatment trials. This was due to row spacing of crop. Application cost by the double row was lowest. Single row had a higher cost and hand placement application costs were highest.

In terms of grain yield, hand placement produced the highest yield followed by the single row and then the double row applicator. It may be concluded that the use of an applicator reduced *Guti* urea application time and cost with competitive grain yield.

Aman Season

Table 25 reports 15 *Aman* season fertilizer trials and 13 applicator trials were established through the quarter against a target of 29. One fertilizer trial was planned for Jhenaidah district but not established due to drought. Details by upazila for the quarter and the year are provided in **Appendix 18**.

Table 25. FDP Rice Trials for *Aman* Season 2012

Type of Trials	Total Target	Number of Trials		
		FTF	M&S	Total
Non-replicated FDP trial	16*	7(3)	2(1)	9(4)
Replicated seed quality x FDP trial		2(1)	1(1)	3(2)
Replicated variety x FDP trial		2	1	3
Applicator trials	13	8(1)	5(1)	13(2)
Total	29	19(5)	9(3)	28(8)

* One trial planned for Maheshpur under Jhenaidah district but could not be establish due to scarcity of water.

For *Aman* season the rice trials examined the NPK treatments as non-replicated trials while the replicated trials looked at seed quality/FDP interaction and variety/FDP interaction. The applicator trials continued to examine the performance of new improvements in the single and double row types as well as a new injector type. Results are showing application rates by different methods were close to recommended dose (112 kg/ha). Operation speed of the single row applicator (2.67 km/hr) was significantly higher than other method (2.34 km/hr). *Guti* urea application time by the injector applicator was significantly higher than for the single row and double row applicators. There was no significant difference of time between single row and double row applicators. *Guti* urea application cost by single row and double row applicator were significantly lower than for the injector applicator and hand placement. *Guti* urea application cost by double row applicator was lowest (Tk 410/ha and Tk 439/ha) and injector applicator was highest (Tk 1,744 per ha) compared to other methods.

Table 26. Field Performance of Applicators during *T. Aman*, 2012

4 Treatments

Method of Application	Speed of Operation (km/hr)	<i>Guti</i> Urea Application Rate (kg/ha)	<i>Guti</i> Urea Application Time (hr/ha)	<i>Guti</i> Urea Application Cost (Tk/ha)
IFDC single row	2.67	111	16.67	646
IFDC double row	2.34	114	12.5	410
IFDC injector applicator	-	107	50	1,744
Hand placement	-	107	25	1,046
CV (%)	6.82	14.31	51.53	24.62
LSD (0.05)	0.17	15	33.33	227

3 Treatments

Method of Application	Speed of Operation (km/hr)	<i>Guti</i> Urea Application Rate (kg/ha)	Effective Field Capacity (hr/ha)	<i>Guti</i> Urea Application Cost (Tk/ha)
IFDC Single row	2.49	107	16.67	613
IFDC Double row	2.13	110	11.11	439
Hand placement	-	112	25	838
CV (%)	5.83	17.52	8.70	9.58
LSD (0.05)	0.31	38	100	121

Orientation for *Aman* Season Demonstrations and Trials – Table 27 provides the dates and locations orientation training events for rice demonstrations and trials for *Aman* season. There is no target set for this activity, numbers and locations are determined to ensure

every farmer selected for a demonstration or trial will receive the orientation training with his/her FMO.

Table 27. Orientation Training for Demonstration and Trial Farmers During July-September 2012

Districts	Upazila	Date	Male	Female	Total
Bagerhat	Bagerhat Sadar	02-07-12	21	7	28
Barguna	Barguna Sadar	02-07-12	18	5	23
Barisal	Barisal Sadar	19-07-12	25	22	47
Barisal	Barisal Sadar	05-07-12	31	10	41
Bhola	Burhanuddin	11-07-12	33	9	42
Chuadanga	Chuadanga Sadar	22-07-12	32	6	38
Faridpur	Faridpur Sadar	19-07-12	24	6	30
Jessore	Jessore Sadar	04-07-12	18	7	25
Jessore	Jessore Sadar	12-07-12	31	26	57
Jessore	Jessore Sadar	03-07-12	32	11	43
Jhenaidah	Jhenaidah Sadar	10-07-12	24	4	28
Jhenaidah	Jhenaidah Sadar	04-07-12	16	4	20
Khulna	Phultala	02-07-12	13	5	18
Magura	Magura Sadar	11-07-12	25	7	32
Mymensingh	Bhaluka	15-07-12	19	5	24
Mymensingh	Ishwarganj	17-07-12	31	8	39
Mymensingh	Muktagachha	28-06-12	21	27	48
Mymensingh	Mymensingh Sadar	15-07-12	9	9	18
Mymensingh	Mymensingh Sadar	16-07-12	34	9	43
Mymensingh	Phulpur	17-07-12	30	8	38
Narail	Narail Sadar	03-07-12	25	8	33
Patuakhali	Patuakhali Sadar	04-07-12	27	9	36
Patuakhali	Patuakhali Sadar	03-07-12	37	10	47
Satkhira	Satkhira Sadar	05-07-12	34	9	43
Sherpur	Nakla	27-06-12	18	18	36
Sherpur	Sherpur Sadar	16-07-12	32	8	40
	Total		660	257	917

Field Days – In this quarter, there were 22 field days held against a target of 15 (**Table 28**). Considering the season and its lack of rain this is an excellent achievement, to have 22 demonstrations that were worthy of field days. Two thousand four hundred and eighty-one farmers attended the field days. Seven hundred thirty-two (30%) were female. On an average 113 farmers (33 women) attended each field day. **Appendix 19** provides the full listing for the quarter and the year. The participants mainly observed the method and results of UDP technology in the particular demonstration or trial. They also shared their experiences through question and answer with demonstration and trial farmers.

Table 28. Number and Types of Field Days Held During *Aus* 2012 Harvest

Districts	UDP Demo	Trial	Total
FTF districts	17	2	19
M&S districts	3		3
Total	20	2	22

Crop Cuts in Farmers Fields – Crop cuts in farmer fields are part of the impact assessment monitoring. The Monitoring and Evaluation Plan requires 100 crop cuts in farmer fields in each season. Each site is chosen with and without UDP on the same day of harvest. Data is collected on yield, grain moisture, variety, seed source, fertilizer practice, pest and disease management, irrigation management and labor inputs. At the time of *Aus* harvest there were 416 crop cuts against a target of 167. The yield results are reported in **Table 9**.

Motivational Field Visits – Motivational field trips are cross visits for farmers in a new area, accompanied by their SAAO and FMO, to visit and exchange views with those in areas that can show the benefits of the technology. Normally, about 40 farmers, men and women, along with the SAAO and upazila agriculture officer (UAO) are taken from an area that is new to FDP technology to an area where FDP technology is widely adopted. Therefore, the visits can occur only when there is something to show and learn. In this quarter, field trips to motivate *Aman* farmers ran through August-September. *Aman* farmers were taken to see the results of *Aus* crops. By the end of the quarter, 10 trips had been completed against a target of 10. Four hundred and seventy six (140 [29 percent] women) traveled on field trips. **Appendix 20** provides detail by upazila.

Motivational Meetings and Campaign/Workshop – Motivational meetings are part of the campaign to mobilize the private sector, media and local government officials to increase their awareness of the benefits of FDP and AWD technology and to solicit their support to promote the technology. The activity is managed within an upazila as a stakeholders workshop with community and religious leaders, NGOs, leaders of local organizations and Integrated Pest Management/Integrated Crop Management (IPM/ICM) clubs, government departments, banks, fertilizer dealers, briquette shop owners and educational institutions. In this quarter the meetings with seed and fertilizer committees (see below) were replaced by workshops for those in the fertilizer industry (BCIC dealers, sub-dealers and retailers). This accounted for a sharp rise in the number of workshops. Thirty-five

stakeholder's workshops were held this quarter against a target of eight. There were 1,674 people attending the workshops (220 [13 percent] were women). The low participation of women is attributed to the male dominance in the numbers of BCIC dealers, sub-dealers and retailers. **Appendix 21** gives the detailed data by upazila and district.

Motivational Meeting with Fertilizer and Seed Monitoring Committee – This was an activity introduced as part of the AAPI Scale-Up. It was designed to solicit the cooperation of members of district and upazila Seed and Fertilizer Monitoring Committees to promote UDP coverage. They were pursued for two quarters and proved to be difficult forums to meet. The activity has been replaced with stakeholder workshops targeting the broader fertilizer industry (BCIC dealers, sub-dealers and retailers).

Improving Farmers' Access

The AAPI project incorporates market-oriented concepts in addressing both supply and demand factors as related to FDP technology diffusion. On the supply side, the project seeks to establish a private sector network of suppliers for FDP products. This is the key to affording farmers convenient access. Because of the risk involved in introducing a new FDP technology, the project incorporates an incentive (as a subsidy) to encourage private dealer investment. As shown in **Table 11**, the project has two activities to improve farmers' access to FDP products; selling briquette machines at a 75 percent reduced rate,²² and training the buyers (briquette producers) in the technical and business management aspects of *Guti* production.

Selling Briquette Machines at 75 Percent Reduced Price – A standard machine is sold with two compressors to allow production of a 1.8 g urea briquette for *Aus* and *Aman* season and a 2.7 g briquette for *Boro* season. The price is Tk 167,200 (US \$2,058) for a diesel-powered machine and Tk 158,400 for an electric-powered machine, for which the buyer pays either Tk 41,800 or Tk 39,600.

This quarter saw the sale of 125 machines against a target of 90. The cumulative number of machines in operation is 827 against a target of 660. **Map 5 and Map 6** are showing location of urea briquette machines in the FTF and M&S districts, respectively.

²² As per CA, the subsidy will reduce to 50% from October 2012.

Table 29 provides information on the machines in operation across the project and production of urea and NPK briquettes.²³ Of the 125 machines installed this quarter, 22 (18 percent) were for women entrepreneurs. **Appendix 6** provides details by upazila including sale of fertilizer briquette machines.

Table 29. Urea and NPK *Guti* Production Across the AAPI Project Area

Districts	Total Year 1			July-September 2012			Total Year 2			Total AAPI		
	No. Mach	Production		No. Mach	Production		No. Mach	Production		No. Mach	Production	
		Urea	NPK		Urea	NPK		Urea	NPK		Urea	NPK
		(mt)	(mt)		(mt)	(mt)		(mt)	(mt)		(mt)	(mt)
FTF	121	32,556	1,026	110	50,136	10	508	137,320	11	629	168,035	1,037
M&S	134	23,348		15	15,922	-	64	48,187	-	198	71,533	-
Total	255	55,904	1,026	125	66,058	10	572	185,507	11	827	241,311	1,037

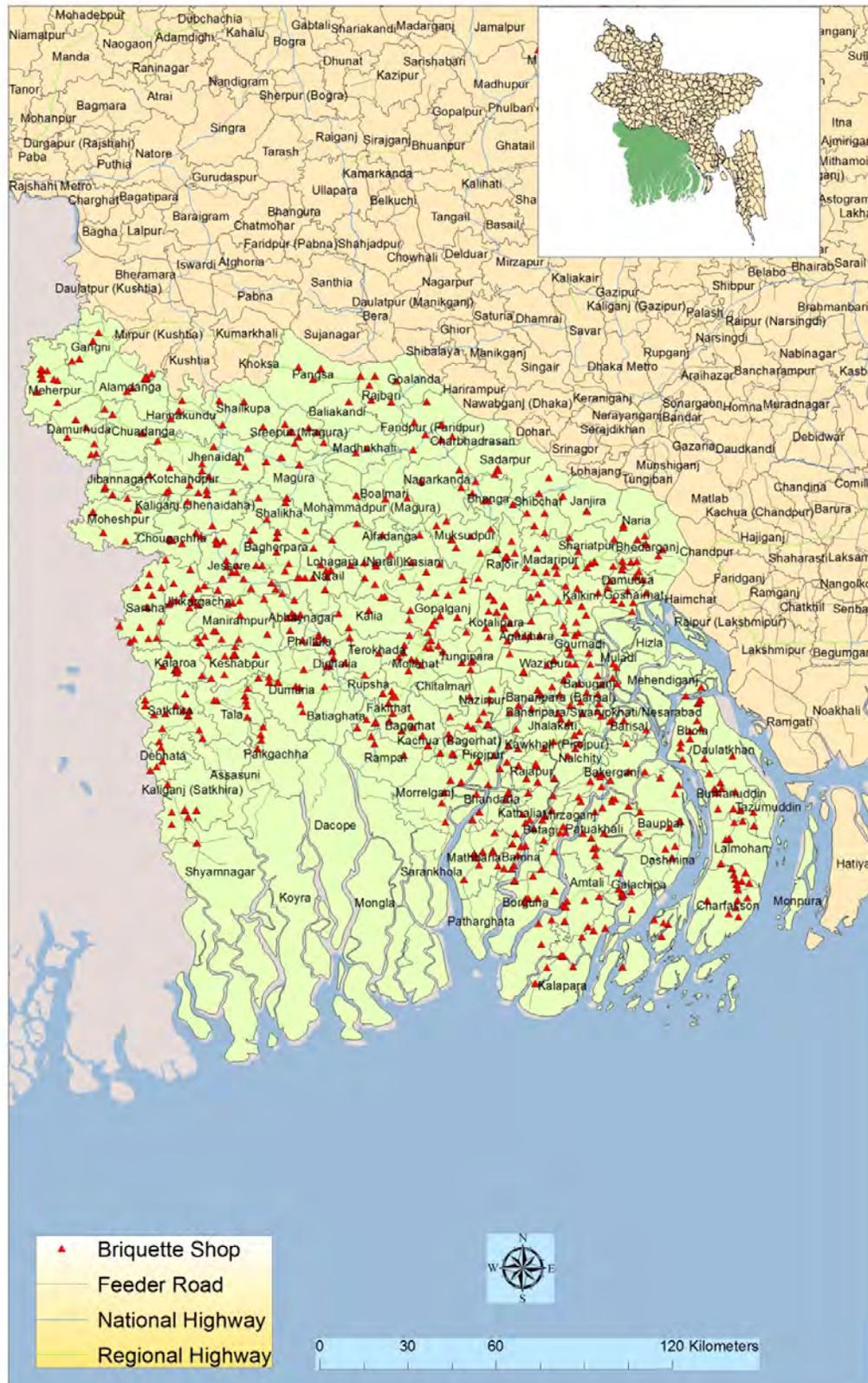
²³ The project does not actively promote NPK briquette production, but some producers were trained during ILSAFARM and remain active due to local demand for the product. It is also produced for research purposes.



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AAPI

Urea Briquette Shop, FtF Zone

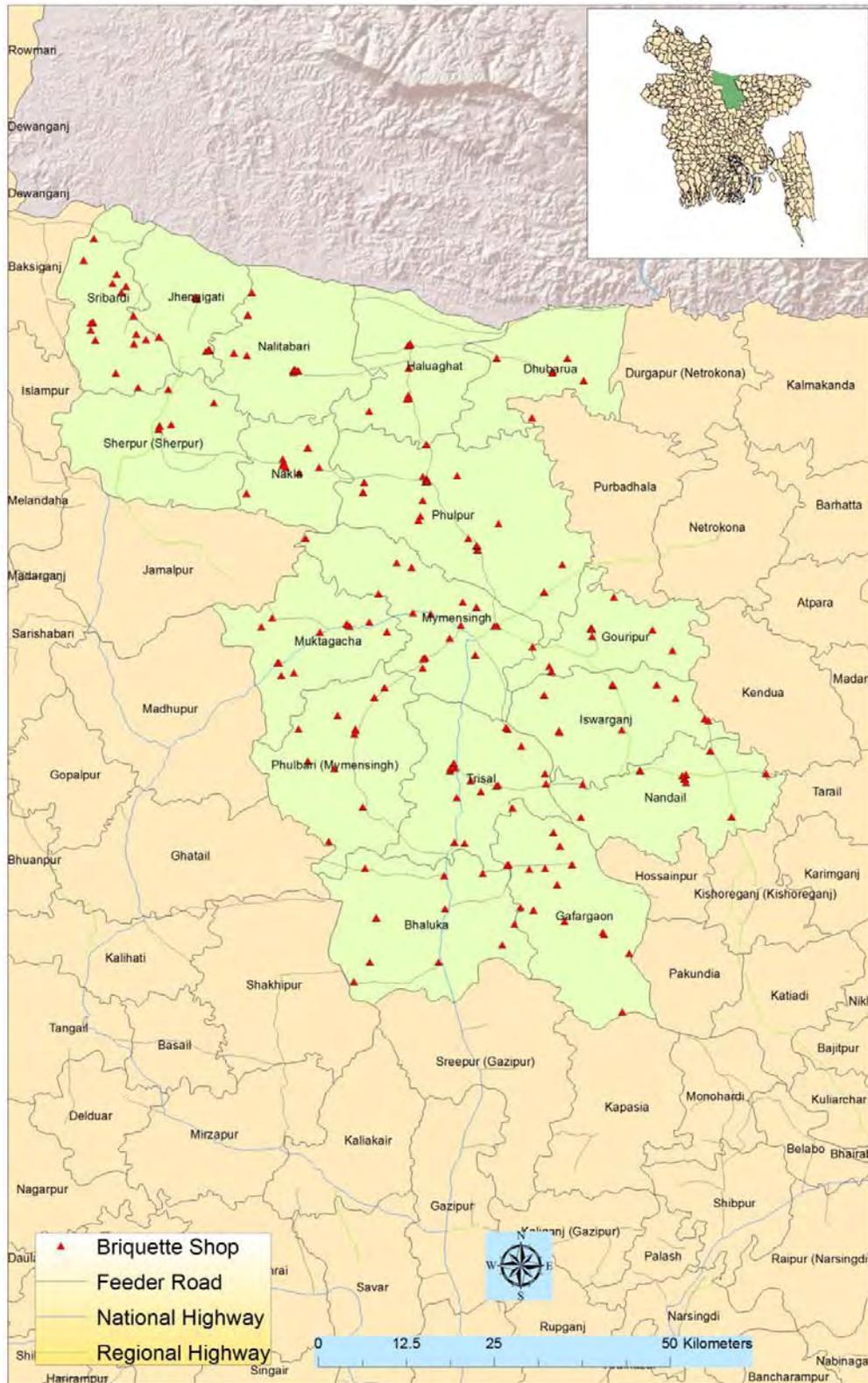


Map 5. Location of Briquette Machines in FtF Districts



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AAPI Urea Briquette Shop, M&S Zone



Map 6. Location of Briquette Machines in M&S Districts

Training of Briquette Producers/Local Mechanic/Fertilizer Dealers – The training programs are divided into two parts: technical training on production and machine operation and maintenance; and business management and accounting training. Technical training is a one-day course with 25 owners and 25 machine operators. The business management and accounting training is run across two days and allows women entrepreneurs to bring their husband or brother as a companion.

To create a service industry for the repairs and maintenance of the briquette machines, the project is training a cadre of local mechanics to provide a sustainable, commercial support system. This involves building a capacity within local workshops where local mechanics can service and maintain all machines in their area on a fee for service basis.

Table 30 shows that 292 entrepreneurs participated in the technical²⁴ (5 percent women) and business management training (15 percent women). **Appendix 22** and **Appendix 23** provide the local mechanics training. **Appendix 24** provides the details technical and business management and accounting training.

Table 30. Training of Briquette Producers and Local Mechanics, July-September 2012

	FTF Districts			M&S Districts		
	Batches	Participants		Batches	Participants	
	No.	Male	Female	No.	Male	Female
Technical	4	132	7			
Business Management and Accounting	4	88	15	1	18	3
Local Mechanics	2	29				
Total	10	249	22	1	18	3

Providing Direct Technical Assistance to Briquette Producers – The technical assistance involves troubleshooting machinery problems, one on one revisions of books and accounts and general motivation of entrepreneurs to promote the technology.

Training and Demonstrations Managed by Briquette Producers – The entrepreneurs owning a briquette machine are encouraged to establish their own promotional campaign within their business plan. **Table 31** shows the farmer training for their customers and field demonstrations established by shop owners. This is a very good sign of their commitment to advertise/promote the technology.

²⁴ Technical/mechanical training is essentially a male activity.

Table 31. Farmer Training and Field Demonstrations Managed by Briquette Shop Owners

Item	FTF				M&S			
	Batch	Male	Female	Total	Batch	Male	Female	Total
Farmer Training	69	2,015	759	2,774	37	1,151	316	1,467
Demonstrations		50	18	68		26	11	37

Sharing Information and Ideas

Farmers’ Awareness Building – To complement technology-transfer activities that raise awareness, the AAPI project holds open sky shows that entertain as well as teach. It is a method of extension that can reach a large number of target beneficiaries in a short period of time. The open sky show on UDP shows several popular drama series about UDP technology. It is generally held in a village bazaar, an open space in front of the school, *Madrasha* or union *Parishad*. An open air show is more of a dry-season activity.

Open Sky Show

Open sky shows play an important role in creating community awareness towards the promotion of UDP technology. During this reporting quarter, 12 open sky shows were arranged at different locations in the project area. During these open sky shows 3,644 farmers were present including 551 women (15 percent). This is a reasonable turnout for women considering the open sky shows are arranged just after sunset in the rural areas. At this time, women are less inclined to join the show because of their involvement in household cooking and other activities. **Appendix 25** provides the details data by upazila and district.

Printing and Distribution of Promotional Material – Materials listed in **Appendix 26** are used in various activities such as stakeholder workshops, motivational tours, farmers training, demonstrations, trials, field days and public handouts. Materials were also distributed to representatives of IPM/ICM clubs and community leaders.

Media Coverage – The project invites members of the electronic and print media to all activities. Local journalists, photographers and cameramen attend many of the workshops and field days, and the events are reported on local channels and in newspapers. **Appendix 27** provides a list of the media publicity for the quarter.

Award Ceremony – Each year the project acknowledges those who have excelled in performance within the project in ceremonies attended by high officials. In this quarter, two award ceremonies were hosted by the project – one in Barisal on July 9 and one in Mymensingh on July 18. The awards were given on the basis of activities during three crop seasons – *Boro*, *Aus* and *Aman* 2011 for nine districts in Barisal and two districts in Mymensingh (before Scale-up). **Table 32** lists the award categories and numbers of recipients.

Table 32. Numbers Receiving Awards Recognizing Excellent Performance in 2011

Category	Barisal	Mymensingh
Farmers	306	102
SAAO (Sub Assistant Agriculture Officers)	51	17
UAO (Upazila Agriculture Officers)	9	2
Briquette Producer	9	2
NGO	3	2
District	3	

Policy Analysis and Reform

The project continued to publish the monthly *AAPI News Bulletin*. Each month 2,000 copies are distributed in Bangla and 2,000 in English. The distribution includes all project stakeholders.

Policy Assessment and Dialogue – There was no policy assessment or policy dialogue planned for this quarter.

Building Institutional Capacity

FDP technologies are being taught in all ATIs in fertilizer application methods, chapter of the 4th module. The DAE Training Division is also interested to include use of applicators and FDP in non-rice crops. The curriculum modification committee is finalizing the modification of the curriculum and is now up to the 3rd module. The 4th module will start from January 2013. By November they will have finalized the update of the curriculum for the 4th module with FDP technology.

Development of an Applicator

There are a number of fronts in the development of the applicator. The push type is now being tested in the field trial program and the results reported in **Table 24** and **Table 26**.

The project is also collaborating with Indian engineers who are developing a mechanical applicator. In this quarter the injector applicator was modified to introduce auto spring loading mechanisms. This has now gone into the commercial manufacturing process. AAPI is working with PRAN-RFL to produce a light weight plastic model that is affordable to even the poorest farmers.

On Sunday, August 5, the project was honored by the attendance of the Honorable Minister for Agriculture Mrs. Matia Chowdhury, MP at a workshop on UDP Applicators. One hundred and ninety-three people attended and the Minister distributed an injector-type applicator to 50 farmers from Gopalganj, Barisal, Jessore, Mymensingh and Sherpur. In her speech the Minister urged IFDC to introduce a farmer-friendly balanced fertilizer package similar to urea supergranules (known in Bangladesh as '*Guti Urea*'). Mr. Richard Greene, Mission Director, USAID was the Special Guest and Mr. Monzur Hossain, Secretary, Ministry of Agriculture was Chairperson at the workshop.

Environmental Impact

Climate Change Integration Pilot Award

In February, USAID approved a Climate Change Integration Pilot component that will fund research to quantify N losses and build capacity in two institutions in Bangladesh; they are BRRI and Bangladesh Agriculture University (BAU). The program addendum was signed on September 25, 2012. This enables the activity to proceed. The project will be implemented in two phases. Phase I will quantify the N losses and build capacity within BRRI and BARI. Phase II will measure the effect of enhanced technologies on N emissions and yield.

Prior to fund obligation the project has established field trials and collection of water and agronomic data has proceeded with funding from the AAPI budget. These results are reported.

Greenhouse Gas Emission Trial at Bangladesh Rice Research Institute

Two field experiments were established in June 2012 at the BRRI farm, Gazipur, one under AWD condition and the other one under continuous water supply (CWS) condition. The experimental soil status is presented in **Table 33**.

Table 33. Soil Parameters of Experimental Sites at BRRI, Gazipur

Soil Parameters	Initial Soil Value	
	Expt. 1	Expt. 2
Soil pH	6.22	6.52
Org. C (%)	1.75	1.65
Total N (%)	0.17	0.16
Av. P (ppm)	16	17
Exch. K (meq/100 g)	0.25	0.20
NH ₄ -N (ppm)	10	11.04
NO ₃ -N	1.5	1.85
Soil Texture	Clay-loam	Clay-loam

The experimental design was RCB with six replications having eight treatments in both conditions. Thirty-day-old seedlings of BRRI dhan-27 were transplanted in both the experiments. All P, K and 1/3 urea-N were applied at the time of transplanting in respective treatments. USG (UDP) and NPK briquettes were placed in respective treatments on June 14, 2012, in both the experiments. First 1/3 urea topdressing was applied on June 28, 2012. On the same day perforated PVC pipe (10 cm diameter) was placed in experiment 1 to measure wetting and drying cycle of the experiment. The length of PVC pipe was 25 cm long with the lower 15 cm perforated. The water level was measured every alternate day. Irrigation was given when the water level went down to 15 cm from soil surface. Water NH₄-N was determined during basal and USG placement in both the experiments.

The figures in **Appendix 28** (BRRI Data) indicate the higher quantity of NH₄-N in flood water collected from the plots where urea was applied as broadcast in both basal and topdress situations compared with those of USG and NPK briquette deep placement irrespective of N rates and water regimes (**Appendix 28** BRRI Data; Fig. 1-8). Higher NH₄-N content in flood water when urea was applied as broadcast method assumes higher loss of N indicating the lower efficacy of N source to increase rice yield.

Grain yield increased significantly with N sources and its rates over the N-control treatment in both continuous standing water (CSW) and alternate wetting and drying (AWD) condition (**Table 34**). The yield increase was more with USG and NPK briquette than the equivalent urea N rate in both situations. USG-N₇₈ and NPK briquette-N₇₈ gave maximum yield but beyond this rate, irrespective of sources, there was no higher yield. In contrast, the yield performance of broadcast urea at this rate or higher rates produced less yields. It is

concluded that 78 kg N either from USG or NPK briquette is optimum in *Aus* season for obtaining maximum yield of BRR1 dhan-27.

Table 34. Effect of N Source and Rates on the Yield of BRR1 dhan-27 During *Aus* 2012

Treatment	Panicle/m ²		Grain Yield (t/ha)		Yield Increase Over Control (t/ha)	
	CSW	AWD	CSW	AWD	CSW	AWD
N-control	141	129	4.58	4.17	-	-
USG-N52	169	169	4.89	4.97	0.26	0.80
USG-N78	173	177	5.09	5.04	0.51	0.87
Urea-N78	171	157	4.67	4.62	0.09	0.45
Urea-N104	168	160	5.03	4.71	0.45	0.54
NPK briq51	177	175	5.11	5.02	0.53	0.85
Urea-N120	172	172	4.96	5.02	0.38	0.85
NPK briq78	199	189	5.0	5.04	0.42	0.87
Lsd (5%)	15	12	0.5	0.30	-	-
CV (%)	7.4	6.2	5.0	8.8	-	-

Greenhouse Gas Emission Trial at Bangladesh Agricultural University

A study was carried out at the Soil Science Field laboratory of Bangladesh Agricultural University, Mymensingh during the *Aus* season of 2012 to see the effects of prilled urea, USG and NPK briquette on ammonium concentration in rice field water, yield and N uptake by BRR1 dhan-27 under continuous standing water and reduced irrigated conditions. There were eight treatments with three replications. The experiment was laid out in randomized block design. The unit plot size was 6 m x 4 m. The fertilizers were applied as per **Table 35**. All the treatments except T6 and T7 received 16 kg P and 42 kg K/ha from TSP and MoP, respectively. Sulfur was applied to all plots at the rate of 10 kg/ha from gypsum. Rice seedlings for the continuous standing water experiment were transplanted on June 6, 2012, while for reduced irrigated condition transplanted on June 7, 2012. Plant spacing in both trials was 20 cm x 20 cm. USG, NPK briquette and first split of prilled urea were applied after seven days of transplanting. The second and third splits of prilled urea were applied after 30 and 45 days of transplanting. Before application of N fertilizers, the water in the rice plots was drained out. Prilled urea was applied to the fields and mixed with the soils. The USG and NPK briquettes were placed at 8-10 cm depth between four hills at alternate rows. In case of the experiment with continuous standing water, water was added from the nearby deep tube well to maintain at least 5-6 cm standing water. In case of reduced irrigated condition, the field was supposed to irrigate after three to five days of depletion water from the field but practically it was not always feasible due to frequent rains. Water samples from all plots were collected in acid washed plastic bottles. The depth of standing

water and temperature of the water were recorded. The collected water samples were brought to the laboratory for measuring ammonium concentration. Thirty hills (3 hills x 10 hills) were harvested at panicle initiation and heading stages to record total biomass and total N in shoot. The crop was harvested between August 28 and September 2, 2012, depending on the treatments. The grain and straw yields were recorded. The grain and straw samples are being processed for total N determination.

Table 35. Treatment Description for GCCI-T Aus Rice Trial at Bangladesh Agriculture University

Treat. No.	Description	N Rate (kg/ha)	P Rate (kg/ha)	K Rate (kg/ha)	Basal /deep placed N (kg/ha)	1 st Top-Dress N (kg/ha)	2 nd Top-Dress N (kg/ha)
T1	Check	0	16 ^a	42 ^b	0	0	0
T2	USG (one-1.8 g briq)	52	16 ^a	42 ^b	52	0	0
T3	USG (two-1.8 g briq)	104	16 ^a	42 ^b	104	0	0
T4	Urea	78	16 ^a	42 ^b	26	26	26
T5	Urea	120	16 ^a	42 ^b	40	40	40
T6	NPK (one-3.4 g briq)	51	13 ^c	32 ^c	51	0	0
T7	USG (one-2.7 g briq)	78	16 ^a	42 ^b	78	0	0
T8	NPK (two-2.4 g briq)	78	16 ^d	42 ^d	78	0	0

^aApplied as TSP.

^bApplied as MOP (KCl).

^c P and K is applied as NPK briquette (Treatment 6).

^d P and K is applied as NPK briquette (Treatment 8).

Experiment With Continuous Standing Water – The ammonium – N concentration in water of prilled urea treated plots (T4 and T5) varied widely at all sampling times (**Appendix 28** BAU Data; Fig. 1) but the ammonium concentrations in other treatments did not vary widely. In all the three samplings, the highest ammonium concentration of water of T5 treatment was observed on day 2 after application of prilled urea and then steadily decreased with time. The treatment T4 showed slightly lower concentration of ammonium than the T5 treatment. The USG treated plots (T2, T3 and T7) and NPK *Guti* treated plots (T6 and T8) had much lower concentration of ammonium in floodwater. The ammonium concentration in 3rd sampling was lower than the 1st and 2nd samplings.

The different fertilizer treatments had significant effects on grain yield of BRRi dhan-27 rice (**Table 36**). The grain yield varied from 3.50 t/ha to 4.93 t/ha across the treatments. The treatment with USG supplying 52 kg N/ha showed statistically higher grain yield compared to 78 and 120 kg N/ha from prilled urea. The yields obtained with 52, 78 and 104 kg N/ha from USG along with 16 kg P + 42 kg K/ha were statistically identical. The highest

grain yield of 4.93 t/ha was observed in T₈ treatment [NPK briquette N₇₈P₁₃K₃₂] and was statistically identical to that observed in T₂ treatment (78 kg N/ha from USG +16 kg P+42 kg K/ha).

Table 36. Effect of Prilled Urea, *Guti* Urea and NPK Briquettes on Grain Yield of T *Aus* Rice (cv. BRR1 dhan-27)

Treat. No.	Description	Grain Yield (t/ha)	
		Continuous Standing Water	Reduced Irrigated Condition
T1	Check [N ₀ P ₁₆ K ₄₂]	3.50 e	3.66 d
T2	USG (one-1.8 g briq) [N ₅₂ P ₁₆ K ₄₂]	4.73 ab	4.87 abc
T3	USG (two-1.8 g briq) [N ₁₀₄ P ₁₆ K ₄₂]	4.57 bc	4.77 bc
T4	Urea [N ₇₈ P ₁₆ K ₄₂]	4.36 cd	4.53 c
T5	Urea[N ₁₂₀ P ₁₆ K ₄₂]	4.10 d	4.43 c
T6	NPK (one-3.4 g briq) [N ₅₁ P ₁₃ K ₃₂]	4.60 bc	5.00 ab
T7	USG (one-2.7 g briq) [N ₇₈ P ₁₆ K ₄₂]	4.33 cd	4.80 bc
T8	NPK (two-2.4 g briq) [N ₇₈ P ₁₃ K ₃₂]	4.93 a	5.26 a
CV (%)		6.18	8.26

Experiment with Reduced Water Conditions – The prilled urea treated plots (T₄ and T₅) showed much higher concentration of ammonium-N in water compared to USG and NPK *Guti* treated plots (**Appendix 28** BAU data, Figure 2). The treatment with 120 kg N/ha from prilled urea (T₅) showed higher ammonium concentration than those with 78 kg N/ha from urea (T₄). In both the treatments (T₄ and T₅), the highest concentration of ammonium was observed at day 2 and then decreased with time. By day 6 the concentration of ammonium in all treatments became almost similar. The urea briquettes treated plots (T₂, T₃ and T₇) and NPK briquettes treated plots (T₆ and T₈) had much lower concentration of ammonium-N in floodwater than that of prilled urea broadcast plots.

The grain yields of BRR1 dhan-27 ranged from 3.66 t/ha in T1 treatment to 5.26 t/ha in T8 treatment (**Table 36**). The highest grain yield obtained in T8 treatment [NPK briquette N₇₈P₁₃K₃₂] was statistically identical to those found in T2 and T6 treatments. The grain yields obtained in treatments with 52, 78 and 104 kg N/ha from urea briquettes were statistically identical. The grain yields found in the treatments with 78 and 120 kg N/ha from

urea showed lower grain yields compared to USG treated plots but they were statistically identical. The lowest grain yield of 3.66 t/ha was observed in T1 (NOP16K42) treatment.

Greenhouse Gas Emission Trials for *Aman* season

Following the harvest of the *Aus* season trials reported above, each site was prepared for similar trials for *Aman* season.

Sl. No.	Location	Experiments	Date of Transplanting
1.	BRRRI Research Farm, Gazipur	Green House Gas Trial under Fully Irrigated condition	5.9.12
2.	BRRRI Research Farm, Gazipur	Green House Gas Trial under Reduced Irrigated condition	5.9.12
3.	BAU Research Farm Mymensingh	Green House Gas Trial under Fully Irrigated condition	8.9.12
4.	BAU Research Farm Mymensingh	Green House Gas Trial under Reduced Irrigated condition	8.9.12

Development of Model Villages

Table 37 shows the 13 villages identified as candidates as model villages. Participatory Rural Appraisal (PRA) has been completed in seven villages and reports prepared for four.

Table 37. List of Villages Identified as Candidate Model Villages

SL #	Name	Union	Upazila	District	Approximate Households	Approx. Cultivable Land	Progress	Proposed Date of Submission of PRA Report
1.	Bakshi	Shekhmatia	Nazirpur	Pirojpur	230	94 ha	PRA complete and reported	
2.	Shadullahpur	Raypur	Bagharpara	Jessore	155	61 ha	PRA complete and reported	
3.	Uttar Basuralga	Chandrakona	Nakla	Sherpur	288	155 ha	PRA complete & draft report submitted	
4.	Gobindabari ratibati	Dulla	Muktagacha	Mymensingh	155	61 ha	PRA complete and draft report submitted	
5.	Paschim Sharikkhali	Kalikapur	Patuakhali sadar	Patuakhali	227	52 ha	PRA complete	November 15, 2012
6.	Masidpur	Jatrapur	Bagherhat sadar	Bagherhat	278	71 ha	PRA complete	November 25, 2012
7.	Dakhin Joynagar	Joynagar	Kalaroa	Satkhira	221	90 ha	PRA complete	December 06, 2012
							Plan for PRA	
8.	Motbaria	atlia	Dumuria	Khulna	250	150 ha	Dec. 17-21, 2012	Dec. 31, 2012
9.	Chockdosh	Kachia	Borhanuddin	Bhola	400	141 ha	Jan. 6-9, 2013	Jan 21, 2013
10.	Krishnapur	Kasundi	Magura sadar	Magura	200	145 ha	Jan. 28-31, 2013	Feb. 14, 2013
11.	Baropakia	Niamatpur	Kaliganj	Jhenaidah	250-300	120 ha	Feb. 25-28, 2013	Mar. 15, 2013
12.	Banderdoha	sankarchadra	Chuadanga sadar	Chuadanga	200-250	75-80ha	Mar. 25-28, 2013	April 21, 2013
13.	Sanuhar		Wazirpur	Barisal	200-250	75 ha	May 27-30, 2013	June 17, 2013

Cropping pattern and homestead vegetable garden demonstrations have been established in Bakshi, Sadullahpur villages, Bachuralga and Gabindabari as described in **Table 38**.

Table 38. Demonstrations Established in Four Model Villages**Bakshi Village**

Type of Demonstration	Cropping Pattern	Crop Established	Number of Demos
Cropping pattern	Knolkhol- <i>T. Aus-T. Aman</i>	<i>T. Aus-T. Aman</i>	6
Cropping pattern	Maize- <i>T. Aus-T. Aman</i>	<i>T. Aus-T. Aman</i>	6
Cropping pattern	Potato- <i>Boro-T. Aman</i>	<i>T. Aman</i>	6
Cropping pattern	Mustard- <i>Boro-T. Aman</i>	<i>T. Aman</i>	6
Homestead Garden	Cabbage/Cauliflower/Tomato-Eggplant	Eggplant	12

Sadullahpur Village

Type of Demonstration	Cropping Pattern	Crop Established	Number of Demos
Cropping pattern	Cabbage- <i>T. Aus-T. Aman</i>	<i>T. Aus-T. Aman*</i>	6
Cropping pattern	Tomato- <i>T. Aus-T. Aman</i>	<i>T. Aus-T. Aman*</i>	6
Cropping pattern	Eggplant- <i>T. Aus-T. Aman</i>	<i>T. Aman</i>	6
Cropping pattern	<i>Boro-T. Aman</i>	<i>T. Aman</i>	6
Homestead Garden	Cabbage/Cauliflower/Tomato-Eggplant	Eggplant	16

* After harvest of *T Aus*, cooperator farmers have to establish *Aman* crop then they will go for cabbage and tomato. Due to long drought and scarcity of water, *T Aus* transplantation was late. Cooperator farmers apprehending after harvest of *Aman*, cabbage and tomato establishment will be late and the market price will low. So, farmers dropped *Aman* crop for establishment of cabbage and tomato.

Bachuralga Village

Type of Demonstration	Cropping Pattern	Crop Established	Number of Demos
Cropping pattern	Cabbage- <i>Boro-T. Aman</i>	<i>T. Aman</i>	6
Cropping pattern	Cauliflower- <i>Boro-T. Aman</i>	<i>T. Aman</i>	6
Cropping pattern	Mustard- <i>Boro-T. Aman</i>	<i>T. Aman</i>	6

Gabindabari Ratibari Village

Type of Demonstration	Cropping Pattern	Crop Established	Number of Demos
Cropping pattern	Cabbage- <i>Boro-T. Aman</i>	<i>T. Aman</i>	6
Cropping pattern	Cauliflower- <i>Boro-T. Aman</i>	<i>T. Aman</i>	6
Cropping pattern	Tomato- <i>Boro-T. Aman</i>	<i>T. Aman</i>	6
Cropping pattern	Mustard- <i>Boro-T. Aman</i>	<i>T. Aman</i>	6

As reported last quarter, demonstrations were established for *Aus* season in Bakshi and Sadullahpur villages. The results are reported in **Table 39** and **Table 40**.

Table 39. Crop Yields from Demonstrations Established in Bakshi Village**Grain Yield of T Aus Demonstrations in the Model Village, Bakshi**

Type of Demo	Cropping Pattern	Crop	No. of Demos	Average Grain Yield (kg/ha)		Yield Increment (%)
				Guti Urea	Prilled Urea	
Cropping pattern	Knolkhol- <i>T. Aus</i> - <i>T. Aman</i>	<i>T. Aus</i>	6	7008	5967	17.44
Cropping pattern	Maize- <i>T. Aus</i> - <i>T. Aman</i>	<i>T. Aus</i>	6	6770	5730	18.16

Fruit Yield of Eggplant Demonstrations in the Model Village, Bakshi

Type of Demo	Cropping Pattern	Crop	No. of Demos	Average Fruit Yield (kg/5.4 m ²)*		Yield Increment (%)
				Guti Urea	Prilled Urea	
Homestead Garden	Cabbage/Cauliflower/ Tomato-Eggplant	Eggplant	12	10.40	9.29	11.93

* 5.4 m² means one bed

In Bakshi village urea briquettes increased yield by 17 percent in *T. Aus* within the Knolkhol-*T. Aus*-*T. Aman* cropping pattern and 18 percent within the Maize-*T. Aus*-*T. Aman* cropping pattern. After harvest of *T. Aus*, *T. Aman* was established with the variety of BINA dhan-7 in the same plots. In the homestead gardens, urea briquettes increased yields by 12 percent in eggplant home garden demonstrations.

Table 40. Crop Yields from Demonstrations Established in Sadullahpur Village**Grain Yield of T Aus Demonstrations in the Model Village, Sadullahpur**

Type of Demo	Cropping Pattern	Crop	No. of Demos	Average Grain yield (kg/ha)		Yield Increment (%)
				Guti Urea	Prilled Urea	
Cropping pattern	Cabbage- <i>T. Aus</i> - <i>T. Aman</i>	<i>T. Aus</i>	6	5,097	4,449	14.56
Cropping pattern	Tomato- <i>T. Aus</i> - <i>T. Aman</i>	<i>T. Aus</i>	6	4,853	4,251	14.17

Fruit Yield of Eggplant Demonstrations in the Model Village, Sadullahpur

Type of Demo	Cropping Pattern	Crop	No. of Demos	Average Fruit yield (kg/5.4 m ²)*		Yield Increment (%)
				Guti Urea	Prilled Urea	
Homestead Garden	Cabbage/Cauliflower/ Tomato-Eggplant	Eggplant	16	10.07	8.33	20.95

* 5.4 m² means one bed

In Sadullahpur village, urea briquettes increased yield by 15 percent in *T. Aus* under Cabbage-*T. Aus*-*T. Aman* cropping pattern and 14 percent under Tomato-*T. Aus*-*T. Aman* cropping pattern. After harvest of *T. Aus*, *T. Aman* was not established due to late transplantation of *T. Aus*. This is a decision made in consultation with the farmers who saw a late plantation of *Aman* will delay the vegetable crop. They would prefer to catch the market for an early vegetable crop. In the homestead gardens, urea briquettes increased yield by 21 percent.

Collaboration with Development Partners

Collaboration with the National Agriculture Research Systems (NARS): IFDC has signed memorandum of understanding (MOU) with BRRI, BARI and BINA to share technical assistance and facilities of IFDC and the institutional human resource network of the NARS. This has led to trials being undertaken by BRRI and BARI to investigate the performance of NPK briquettes in rice and vegetable crops with a view to have the technology approved by National Fertilizer Standardization Committee (NFSC).

The data are still being analyzed and will be reported next quarter.

Zinc Core Urea Trials: IFDC is working with the International Zinc Association, Johns Hopkins University and the ICDDR-B to examine the effect of agronomic biofortification on rice fertilized with zinc-enriched fertilizer. These trials are designed to measure the increase in zinc (Zn) content in rice grain, while simultaneously increasing agricultural productivity and economic returns for smallholder farmers. It is expected that enrichment of grains with Zn is maximized when plants are supplied with sufficient nutrients, especially nitrogen.²⁵ Increasing N application also promotes iron (Fe) accumulation in grains. It is hypothesized that a positive correlation between grain concentrations of Zn and Fe in relation to N will be fully optimized through the use of UDP. This will have a positive impact on human health and nutrition by increasing Zn content in the diet and on soil health through improved nutrient management and balanced fertilization.

²⁵ Kutman et al., 2010.

The results of the field trial established in *Boro* season 2012 were reported last quarter²⁶. For *Aus* season a similar trial was planted, this time in Chauadanga Sadar. Soil is calcareous Ganges floodplain, AEZ 11; crop variety was BRRIdhan 27; seedling age was 30 days; date of transplanting was June 6; date of harvest was August 30. Soil analysis²⁷ showed very low levels of zinc (0.31 ppm). After harvest, grain samples were sent to ICDDR-B laboratory for Zn analysis. The trial was a replicated field trial with eight treatments:

T1	Urea briquette (1.8 g briq)
T2*	Urea briquette -Zn 1.3% (1.8 g briq)
T3*	Urea briquette -Zn 2.5% (1.8 g briq)
T4	Urea briquette -Zn 5% (1.8 g briq)
T5	Urea briquette (1.8g briq) + ZnSO ₄ (2.5%)
T6*	Urea 52 with Zn core (2.5%)
T7*	Urea85 with Zn core (2.5%)
T8	Urea85 + Zn sulfate (2.5%)

* These treatments used zinc core urea²⁸ either made into a briquette (T2 and T3) or broadcast (T6 and T7).

Table 41 shows the expected responses to deep placement. Broadcast zinc core urea at 52 kg N/ha (T6) has the lowest yield. Urea deep placement at 52 kg/ha (T1-5) gives higher yields than broadcast urea treatments at 85 kg/ha (T7 and T8). Highest yields came from the UDP treatments with zinc applied as zinc sulfate, either mixed with urea to make a briquette (T4) or broadcast (T5). From a productivity point of view there was no significant effect of Zn application through Zn core urea over applying Zn as zinc sulfate.

²⁶ AAPI QPR 7, April-June 2012: pp. 60-61.

²⁷ Soil zinc analyzed by SRDI laboratory.

²⁸ Zinc core urea is a urea granule manufactured using a zinc seed core.

Table 41. Effect of Zinc-Enriched Urea Fertilizer on Grain Yield (tons/hectare) of Modern Rice Variety BRRI dhan-27 at 14 Percent Moisture for Aus 2012 at Charmail, Chuadanga

Treatment	R1	R2	R3	Mean
T1	4.28	4.55	3.60	4.14 abc
T2	4.68	4.58	4.58	4.61 b
T3	4.41	4.37	4.90	4.56 ab
T4	5.00	4.76	4.51	4.76 d
T5	4.87	5.05	4.55	4.82 d
T6	3.37	3.67	3.62	3.55 e
T7	3.82	4.16	4.55	4.18 ab
T8	3.82	4.61	3.63	4.02 ae
Mean				4.33
CV %				7.67
LSD (0.05)				0.57

Note: Mean yields with same letters are not statistically different.

Key Issues

The *Aus* and *Aman* seasons have been impacted by drought, and in normal circumstances it might be predicted that farmers will look to the *Boro* season to compensate for their losses. However in *Boro* 2012 rice prices were low and input costs were high. There is no sign that this will change in 2013.

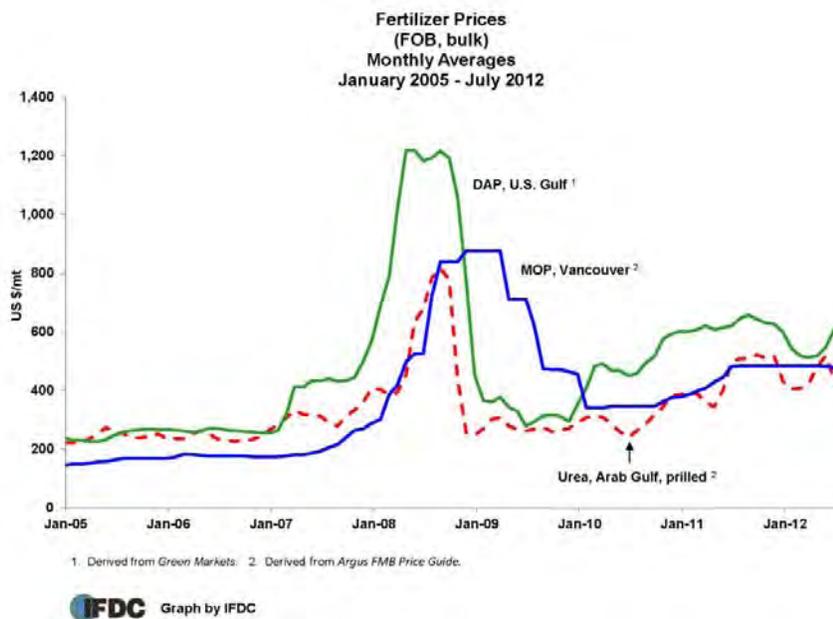


Figure 2 shows the trend in fertilizer prices over the last 7 years. For urea, while there are peaks and troughs, the trend is upwards with a saw tooth rise since 2010. In August 2012 the urea price was US \$400-\$420/mt.

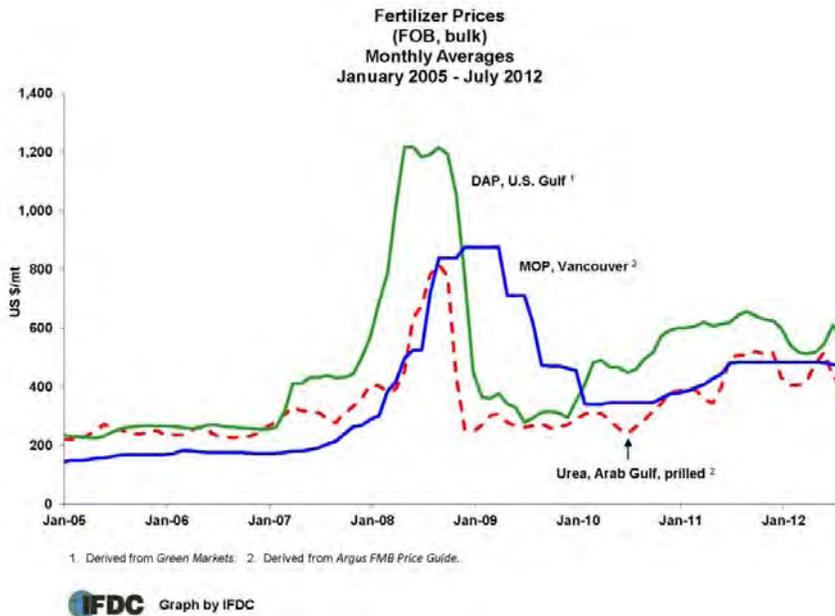


Figure 2. Trend in Fertilizer Prices 2005 to 2012

A high international fertilizer price will present a conundrum for the government. If it holds the urea price for farmers to the 2012 price, it will be faced with a bigger subsidy burden. If it raises the urea price for farmers a likely scenario will be for the farmers to cut production. At the end of *Boro* 2012, there were concerns that high input costs and low rice prices would have a negative impact on production in coming years as farmers would not be interested in cultivating rice above their needs for home consumption. This will lead to a shortage in the market, pushing rice prices up. If production declines and prices increase, this will hurt the urban poor.

The offer of UDP technology providing a reduction in urea application and higher yield must be attractive to both farmers, who will increase their gross margins and government who will reduce the subsidy burden. It will also help maintain production.

Estimated Budget and Actual Expenditure

The AAPI project is incurring costs as planned. Following a reduced level of expenditures (which is normal during the first month of each year because of factors related to obligation of funds), the AAPI project has accelerated activities and is performing the Scale-Up Operational Plan at the planned rate. The approved budget as per the Scale-Up Plan for Year 2 was estimated at US \$7.59 million; USAID obligated the entire Year 2 budget amount. Actual expenses totaled US \$6.357 million through September 2012, equivalent to 84 percent of the obligated fund for Year 2. Some advances made against project activities such as farmers' training program, crop cuts, motivational meetings, demo plots and trials in September 2012 are yet to be adjusted. Details by line item are provided in **Table 42**.

Table 42. Financial Achievement against Estimated Budget in US \$

Line Item	Actual Expense in Year 1	Annual Budget for Year 2	Actual Expenses in Year 2 Through September 2012	Percent Achieved
Personnel, fringe benefits and allowances	709,655	1,499,400	1,243,349	83
Travel and transportation	247,474	992,400	475,697	48
Procurement (equipment/supplies/contracts/grants)	890,498	1,222,397	903,212	74
Training	907,271	1,322,900	1,594,264	121
Other direct costs	468,754	752,800	709,032	94
Total direct costs	3,223,652	5,789,897	4,925,554	85
Overhead	940,564	1,797,700	1,431,354	80
Total USAID amount	4,164,216	7,587,597	6,356,908	84

Note: Figures are rounded to the nearest one.

Appendix 1. Area Under *Guti* Urea or NPK by Upazila – Aus 2012 Season Block Survey

District	Upazila	Total HYV/Hybrid Area Aus 2012 (Ha)	UDP Target for Aus 2012 (Ha) *	Total UDP Area (Ha)	Total	% of Area Under UDP	% of Target Area Under FDP	UDP in Other Crops (Ha)
A. FTF Districts								
Bagerhat	Sadar	6	75	4	4	67	5	-
	Fakirhat	111	150	40	40	36	27	2.5
	Kachua	1,825	1,210	1,080	1,080	59	89	2.2
	Mollahat	90	75	25	25	28	33	1.8
	Morrelganj	2,500	2,250	2,094	2,094	84	93	16.0
	Rampal	-	-	-	-	0	0	-
Sub-Total:		4,532	3,760	3,243	3,243	72	86	22.5
Barguna	Amtali	12,450	8,100	9,965	9,965	80	123	-
	Bamna	4,800	3,503	4,140	4,140	86	118	33.5
	Sadar	14,499	10,260	12,748	12,748	88	124	-
	Betagi	8,211	5,738	6,525	6,525	79	114	48.5
Sub-Total:		39,960	27,601	33,378	33,378	84	121	82.0
Barisal	Agailjhara	425	220	180	180	42	82	-
	Babuganj	384	300	195	195	51	65	-
	Bakerganj	7,000	5,325	5,417	5,417	77	102	-
	Banaripara	125	45	60	60	48	133	-
	Sadar	4,000	1,760	2,331	2,331	58	132	-
	Gaurnadi	149	75	100	100	67	133	-
	Muladi	520	165	140	140	27	85	-
	Wazirpur	79	38	59	59	75	155	-
Sub-Total:		12,682	7,928	8,482	8,482	67	107	-
Bhola	Sadar	6,265	2,835	1,150	1,150	18	41	-
	Burhanuddin	5,600	2,646	1,165	1,165	21	44	4.5
	Char Fasson	5,490	1,575	710	710	13	45	21.0
	Daulatkhan	2,285	634	230	230	10	36	-
	Lalmohan	2,373	840	252	252	11	30	-
	Tazumuddin	764	474	198	198	26	42	-
Sub-Total:		22,777	9,004	3,705	3,705	16	41	25.5
Chuadanga	Alamdanga	3,500	455	800	800	23	176	-
	Sadar	5,570	1,768	702	702	13	40	0.6
	Damurhuda	5,465	1,750	2,025	2,025	37	116	-
	Jibannagar	3,250	1,225	1,105	1,105	34	90	-
Sub-Total:		17,785	5,198	4,632	4,632	26	89	0.6
Faridpur	Alfadanga	27	37	8	8	30	22	-
	Bhanga	12	4	5	5	42	125	-
	Boalmari	20	7	7	7	35	100	-
	Sadar	122	48	35	35	29	73	-
	Madhukhali	64	46	32	32	50	70	-
	Nagarkanda	48	16	19	19	40	119	-
	Sadarpur	8	5	3	3	38	60	-
	Saltha	9	2	3	3	35	150	-
Sub-Total:		310	165	112	112	36	68	-
Gopalganj	Sadar	178	55	54	54	30	98	-
	Kashiani	52	6	2	2	4	33	-
	Kotalipara	40	6	14	14	35	233	-
	Muksudpur	-	6	-	-	0	-	-
	Tungipara	219	33	35	35	16	106	-
Sub-Total:		489	106	105	105	21	99	-

District	Upazila	Total HYV/Hybrid Area Aus 2012 (Ha)	UDP Target for Aus 2012 (Ha) *	Total UDP Area (Ha)	Total	% of Area Under UDP	% of Target Area Under FDP	UDP in Other Crops (Ha)
Jessore	Abhaynagar	3,105	910	426	426	14	47	1.6
	Bagherpara	1,230	455	380	380	31	84	-
	Chaugachha	1,980	455	615	615	31	135	-
	Sadar	2,633	1,190	951	951	36	80	-
	Jhikargachha	1,707	2,100	405	405	24	19	-
	Keshabpur	3,265	1,540	1,418	1,418	43	92	5.0
	Manirampur	6,680	3,955	1,262	1,262	19	32	-
	Sharsha	7,418	5,005	3,114	3,114	42	62	-
Sub-Total:		28,018	15,610	8,571	8,571	31	55	6.6
Jhalakati	Sadar	3,774	2,475	1,892	1,892	50	76	-
	Kathalia	4,500	1,925	2,900	2,900	64	151	-
	Nalchity	2,165	1,800	2,119	2,119	98		-
	Rajapur	4,096	2,695	3,131	3,131	76	116	-
Sub-Total:		14,535	8,895	10,042	10,042	69	113	-
Jhenaidah	Harinakunda	737	210	305	305	41	145	-
	Sadar	1,000	105	448	448	45	427	-
	Kaliganj	811	280	435	435	54	155	0.8
	Kotchandpur	3,680	1,190	1,350	1,350	37	113	-
	Maheshpur	6,636	3,815	2,145	2,145	32	56	-
	Shaikupa	6,540	2,975	2,933	2,933	45	99	-
Sub-Total:		19,404	8,575	7,616	7,616	39	89	0.8
Khulna	Dighalia	18	4	18	18	100	450	-
	Dumuria	263	250	115	115	44	46	-
	Paikgachha	91	37	44	44	48	119	-
	Phultala	60	282	40	40	67	14	-
	Terokhada	19	7	16	16	84	229	-
Sub-Total:		451	580	233	233	52	40	-
Madaripur	Kalkini	45	8	18	18	40	225	-
	Sadar	35	60	7	7	20	12	-
	Rajoir	50	15	8	8	16	53	-
	Shibchar	90	8	21	21	23	263	-
Sub-Total:		220	91	54	54	25	59	-
Magura	Sadar	2,900	1,628	205	205	7	13	-
	Mohammadpur	87	168	35	35	40	21	-
	Shalikhha	2,194	945	870	870	40	92	-
	Sreepur	1,315	735	1,020	1,020	78	139	-
Sub-Total:		6,495	3,476	2,130	2,130	33	61	-
Meherpur	Gangni	1,005	1,033	225	225	22	22	-
	Sadar	3,750	1,453	1,092	1,092	29	75	-
	Mujibnagar	1,210	581	505	505	42	87	-
Sub-Total:		5,965	3,067	1,822	1,822	31	59	-
Narail	Kalia	126	210	63	63	50	30	-
	Lohagara	45	21	20	20	44	95	1.1
	Sadar	740	210	370	370	50	176	-
Sub-Total:		911	441	453	453	50	103	1.1
Patuakhali	Bauphal	10,000	7,500	8,635	8,635	86	115	-
	Dasmina	2,410	1,650	2,042	2,042	85	124	-
	Dumki	1,240	825	925	925	75	112	-
	Galachipa	13,342	7,875	8,451	8,451	63	107	-
	Kalapara	415	605	392	392	94	65	-
	Mirzaganj	5,500	4,050	4,381	4,381	80	108	-
	Sadar	4,390	2,775	3,340	3,340	76	120	-
Sub-Total:		37,297	25,280	28,166	28,166	76	111	-

District	Upazila	Total HYV/Hybrid Area Aus 2012 (Ha)	UDP Target for Aus 2012 (Ha) *	Total UDP Area (Ha)	Total	% of Area Under UDP	% of Target Area Under FDP	UDP in Other Crops (Ha)
Pirojpur	Bhandaria	1,820	3,675	1,500	1,500	82	41	36.3
	Kawkhali	2,839	2,850	1,812	1,812	64	64	-
	Mathbaria	5,710	3,900	3,710	3,710	65	95	75.6
	Nazirpur	1,372	825	1,350	1,350	98	164	42.0
	Nesarabad	600	330	322	322	54	98	0.3
	Sadar	4,762	2,925	3,247	3,247	68	111	-
Zianagor	2,742	1,350	2,088	2,088	76	155	-	
Sub-Total:		19,845	15,855	14,029	14,029	71	88	154.1
Rajbari	Baliakandi	35	16	8	8	23	50	-
	Kalukhali	30	5	10	10	33	200	-
	Pangsha	29	9	20	20	70	222	-
	Sadar	82	74	42	42	51	57	-
Sub-Total:		176	104	80	80	46	77	-
Satkhira	Debhata	410	214	148	148	36	69	-
	Kalaroa	2,982	1,265	1,200	1,200	40	95	-
	Kaliganj	680	662	259	259	38	39	-
	Sadar	3,834	1,311	1,150	1,150	30	88	-
	Tala	2,105	628	755	755	36	120	-
Sub-Total:		10,011	4,080	3,512	3,512	35	86	-
Shariatpur	Bhedarganj	24	-	14	14	58	0	-
	Damudya	43	15	21	21	49	140	-
	Gosairhat	8	8	4	4	50	50	-
	Naria	10	8	7	7	70	88	-
	Sadar	12	8	7	7	58	88	-
	Zanjira	7	-	5	5	77	0	-
Sub-Total:		103	39	58	58	56	149	-
FTF Districts Total:		2,41,965	1,39,855	1,30,423	1,30,423	54	93	293.1
B. M&S Districts								
Mymensingh	Bhaluka	180	110	10	10	6	9	-
	Dhobaura	1,196	935	360	360	30	39	-
	Gaffargaon	454	4,180	60	60	13	1	-
	Gauripur	-	6	-	-	0	-	-
	Haluaghat	2,500	3,575	750	750	30	21	-
	Ishwarganj	555	550	50	50	9	9	-
	Muktagachha	110	990	10	10	9	1	1.5
	Sadar	20	1,375	10	10	50	1	4.0
	Nandail	2,351	3,630	1,250	1,250	53	34	-
	Phulbari	2,520	4,400	1,520	1,520	60	35	12.3
	Phulpur	3	6	3	3	100	50	-
Trishal	287	5,500	112	112	39	2	-	
Sub-Total:		10,176	25,257	4,135	4,135	41	16	17.8
Sherpur	Jhenaigati	685	770	110	110	16	14	-
	Nakla	38	39	16	16	42	41	-
	Nalitabari	850	660	515	515	61	78	-
	Sadar	1,050	440	95	95	9	22	-
	Sreebardi	95	55	10	10	11	18	-
Sub-Total:		2,718	1,964	746	746	27	38	-
M&S Total		12,894	27,221	4,881	4,881	38	18	17.8
Grand Total		2,54,859	1,67,076	1,35,304	1,35,304	53	81	310.9

Source: AAPI Block Survey, Aus 2012

UDP Target for Aus from AAPI Scale-Up Operational Plan

Appendix 2. Farmers Using FDP Products in Aus Season 2012 by Upazila

District	Upazila	Total Gutti Urea Users	Repeat Users of Gutti Urea	New Gutti Urea Users	Total NPK Users	Repeat Users of NPK	New NPK Users	FDP Users in Other Crops	Total FDP Farmers	Total Male FDP Farmers	Total Female FDP Farmers	Total Farmer in the Upazila	% of Farmers Using FDP
A. FTF Districts													
Bagerhat	Bagerhat Sadar	21	18	3	-	-	-	-	21	21	-	30,519	0.1
	Fakirhat	225	225	-	-	-	-	32	257	235	22	22,195	1.2
	Kachua	3,174	2,269	905	-	-	-	15	3,189	2,725	464	17,601	18.1
	Mollahat	160	160	-	-	-	-	23	183	164	19	21,865	0.8
	Morrelganj	5,657	5,518	139	-	-	-	319	5,976	4,665	1,311	49,135	12.2
	Rampal	-	-	-	-	-	-	-	-	-	-	23,870	-
Sub-Total		9,237	8,190	1,047	-	-	-	389	9,626	7,810	1,816	165,185	5.8
Barguna	Amtali	20,769	16,399	4,370	-	-	-	-	20,769	18,730	2,039	71,618	29.0
	Bamna	7,810	7,295	515	-	-	-	393	8,203	7,549	654	11,214	73.1
	Barguna Sadar	18,780	16,430	2,350	-	-	-	-	18,780	16,391	2,389	42,987	43.7
	Betagi	11,995	11,090	905	-	-	-	558	12,553	11,492	1,061	20,514	61.2
Sub-Total		59,354	51,214	8,140	-	-	-	951	60,305	54,162	6,143	146,333	41.2
Barisal	Agailjhara	770	259	511	-	-	-	-	770	681	89	26,668	2.9
	Babuganj	926	791	135	-	-	-	-	926	765	161	25,003	3.7
	Bakerganj	11,013	6,720	4,293	-	-	-	-	11,013	8,946	2,067	53,341	20.6
	Banaripara	511	477	34	-	-	-	-	511	486	25	29,128	1.8
	Barisal Sadar	6,486	4,806	1,680	-	-	-	-	6,486	4,814	1,672	37,005	17.5
	Gaurnadi	1,130	641	489	-	-	-	-	1,130	1,019	111	33,455	3.4
	Muladi	532	262	270	-	-	-	-	532	426	106	35,598	1.5
	Wazirpur	601	475	126	-	-	-	-	601	539	62	49,439	1.2
Sub-Total		21,969	14,431	7,538	-	-	-	-	21,969	17,676	4,293	289,637	7.6
Bhola	Bhola Sadar	4,032	-	4,032	-	-	-	-	4,032	3,675	357	71,430	5.6
	Burhanuddin	3,500	-	3,500	-	-	-	81	3,581	3,431	150	61,642	5.8
	Char Fasson	2,435	-	2,435	-	-	-	124	2,559	2,229	330	83,633	3.1
	Daulatkhan	718	-	718	-	-	-	-	718	635	83	39,601	1.8
	Lalmohan	825	-	825	-	-	-	-	825	697	128	69,102	1.2
	Tazumuddin	680	-	680	-	-	-	-	680	553	127	22,307	3.0
Sub-Total		12,190	-	12,190	-	-	-	205	12,395	11,220	1,175	347,715	3.6

District	Upazila	Total Gutti Urea Users	Repeat Users of Gutti Urea	New Gutti Urea Users	Total NPK Users	Repeat Users of NPK	New NPK Users	FDP Users in Other Crops	Total FDP Farmers	Total Male FDP Farmers	Total Female FDP Farmers	Total Farmer in the Upazila	% of Farmers Using FDP
Chuadanga	Alamdanga	3,641	-	3,641	-	-	-	-	3,641	3,254	387	81,917	4.4
	Chuadanga Sadar	4,067	8	4,059	-	-	-	27	4,094	3,687	407	47,680	8.6
	Damurhuda	8,350	-	8,350	-	-	-	-	8,350	6,950	1,400	23,230	35.9
	Jibannagar	15,103	-	15,103	-	-	-	-	15,103	14,941	162	32,265	46.8
Sub-Total		31,161	8	31,153	-	-	-	27	31,188	28,832	2,356	185,092	16.8
Faridpur	Alfadanga	80	-	80	-	-	-	-	80	63	17	20,528	0.4
	Bhanga	19	-	19	-	-	-	-	19	16	3	31,573	0.1
	Boalmari	42	-	42	-	-	-	-	42	33	9	42,244	0.1
	Faridpur Sadar	192	-	192	-	-	-	-	192	170	22	58,901	0.3
	Madhukhali	149	-	149	-	-	-	-	149	130	19	38,626	0.4
	Nagarkanda	51	-	51	-	-	-	-	51	45	6	25,637	0.2
	Sadarpur	34	-	34	-	-	-	-	34	32	2	37,518	0.1
Saltha	55	-	55	-	-	-	-	55	43	12	55,028	0.1	
Sub-Total		622	-	622	-	-	-	-	622	532	90	310,055	0.2
Gopalganj	Gopalganj Sadar	339	247	92	-	-	-	-	339	279	60	56,795	0.6
	Kashiani	10	-	10	-	-	-	-	10	9	1	39,079	0.0
	Kotalipara	179	157	22	-	-	-	-	179	151	28	51,998	0.3
	Muksudpur	-	-	-	-	-	-	-	-	-	-	54,860	-
	Tungipara	249	184	65	-	-	-	-	249	224	25	18,316	1.4
Sub-Total		777	588	189	-	-	-	-	777	663	114	221,048	0.4
Jessore	Abhaynagar	2,590	215	2,375	-	-	-	24	2,614	2,464	150	40,820	6.4
	Bagherpara	2,077	-	2,077	-	-	-	-	2,077	2,004	73	42,273	4.9
	Chaugachha	4,058	-	4,058	-	-	-	-	4,058	3,858	200	63,062	6.4
	Jessore Sadar	4,741	-	4,741	-	-	-	-	4,741	4,379	362	79,830	5.9
	Jhikargachha	1,974	23	1,951	-	-	-	-	1,974	1,845	129	56,958	3.5
	Keshabpur	6,894	473	6,421	-	-	-	20	6,914	6,440	474	60,078	11.5
	Manirampur	6,006	267	5,739	-	-	-	-	6,006	5,595	411	1,13,027	5.3
Sharsha	8,997	3	8,994	-	-	-	-	8,997	7,863	1,134	63,559	14.2	
Sub-Total		37,337	981	36,356	-	-	-	44	37,381	34,448	2,933	519,607	7.2
Jhalakati	Jhalakati Sadar	7,633	7,154	479	-	-	-	-	7,633	7,162	471	36,229	21.1
	Kathalia	7,436	4,316	3,120	-	-	-	-	7,436	7,280	156	20,911	35.6
	Nalchity	7,872	6,825	1,047	-	-	-	-	7,872	7,254	618	30,047	26.2
	Rajapur	9,065	6,490	2,575	-	-	-	-	9,065	8,644	421	24,579	36.9
Sub-Total		32,006	24,785	7,221	-	-	-	-	32,006	30,340	1,666	111,766	28.6

District	Upazila	Total Gutti Urea Users	Repeat Users of Gutti Urea	New Gutti Urea Users	Total NPK Users	Repeat Users of NPK	New NPK Users	FDP Users in Other Crops	Total FDP Farmers	Total Male FDP Farmers	Total Female FDP Farmers	Total Farmer in the Upazila	% of Farmers Using FDP
Jhenaidah	Harinakunda	1,577	-	1,577	-	-	-	-	1,577	1,406	171	42,638	3.7
	Jhenaidah Sadar	2,177	-	2,177	-	-	-	-	2,177	1,919	258	72,144	3.0
	Kaliganj	1,719	-	1,719	-	-	-	4	1,723	1,493	230	52,431	3.3
	Kotchandpur	5,610	-	5,610	-	-	-	-	5,610	4,540	1,070	16,180	34.7
	Maheshpur	10,306	-	10,306	-	-	-	-	10,306	9,905	401	49,278	20.9
	Shailkupa	14,998	-	14,998	-	-	-	-	14,998	14,007	991	76,234	19.7
Sub-Total		36,387	-	36,387	-	-	-	4	36,391	33,270	3,121	308,905	11.8
Khulna	Dighalia	114	-	114	-	-	-	-	114	114	-	17,345	0.7
	Dumuria	831	44	787	-	-	-	-	831	777	54	62,205	1.3
	Paikgachha	279	11	268	-	-	-	-	279	223	56	44,070	0.6
	Phultala	312	-	312	-	-	-	-	312	272	40	13,206	2.4
	Terokhada	143	-	143	-	-	-	-	143	137	6	19,425	0.7
Sub-Total		1,679	55	1,624	-	-	-	-	1,679	1,523	156	156,251	1.1
Madaripur	Kalkini	91	71	20	-	-	-	-	91	69	22	54,333	0.2
	Madaripur Sadar	52	47	5	-	-	-	-	52	50	2	61,134	0.1
	Rajoir	51	48	3	-	-	-	-	51	44	7	34,360	0.1
	Shibchar	83	27	56	-	-	-	-	83	73	10	53,112	0.2
Sub-Total		277	193	84	-	-	-	-	277	236	41	202,939	0.1
Magura	Magura Sadar	1,291	-	1,291	-	-	-	-	1,291	1,117	174	58,239	2.2
	Mohammadpur	230	1	229	-	-	-	-	230	180	50	31,280	0.7
	Shalikha	4,221	-	4,221	-	-	-	-	4,221	3,532	689	62,134	6.8
	Sreepur	4,600	-	4,600	-	-	-	-	4,600	4,414	186	37,304	12.3
Sub-Total		10,342	1	10,341	-	-	-	-	10,342	9,243	1,099	188,957	5.5
Meherpur	Gangni	1,042	-	1,042	-	-	-	-	1,042	883	159	60,710	1.7
	Meherpur Sadar	5,009	-	5,009	-	-	-	-	5,009	4,744	265	52,619	9.5
	Mujibnagar	2,302	-	2,302	-	-	-	-	2,302	2,161	141	23,929	9.6
Sub-Total		8,353	-	8,353	-	-	-	-	8,353	7,788	565	137,258	6.1
Narail	Kalia	441	-	441	-	-	-	-	441	368	73	47,228	0.9
	Lohagara	206	34	172	-	-	-	7	213	190	23	32,879	0.6
	Narail Sadar	1,920	-	1,920	-	-	-	-	1,920	1,742	178	43,873	4.4
Sub-Total		2,567	34	2,533	-	-	-	7	2,574	2,300	274	123,980	2.1

District	Upazila	Total Gutti Urea Users	Repeat Users of Gutti Urea	New Gutti Urea Users	Total NPK Users	Repeat Users of NPK	New NPK Users	FDP Users in Other Crops	Total FDP Farmers	Total Male FDP Farmers	Total Female FDP Farmers	Total Farmer in the Upazila	% of Farmers Using FDP
Patuakhali	Bauphal	22,753	19,258	3,495	-	-	-	-	22,753	21,783	970	54,294	41.9
	Dasmina	3,861	2,268	1,593	-	-	-	-	3,861	3,590	271	20,029	19.3
	Dumki	4,053	3,262	791	-	-	-	-	4,053	3,919	134	17,301	23.4
	Galachipa	23,501	19,975	3,526	-	-	-	-	23,501	22,170	1,331	63,439	37.0
	Kalapara	1,146	641	505	-	-	-	-	1,146	955	191	31,460	3.6
	Mirzaganj	10,195	8,080	2,115	-	-	-	-	10,195	9,648	547	16,400	62.2
	Patuakhali Sadar	7,278	6,118	1,160	-	-	-	-	7,278	6,633	645	38,808	18.8
Sub-Total		72,787	59,602	13,185	-	-	-	-	72,787	68,698	4,089	241,731	30.1
Pirojpur	Bhandaria	4,822	3,826	996	-	-	-	346	5,168	4,818	350	27,054	19.1
	Kawkhali	4,844	4,378	466	-	-	-	-	4,844	4,598	246	7,661	63.2
	Mathbaria	10,906	8,296	2,610	-	-	-	879	11,785	11,319	466	47,790	24.7
	Nazirpur	4,547	2,055	2,492	-	-	-	160	4,707	4,511	196	36,371	12.9
	Nesarabad	1,270	1,004	266	-	-	-	7	1,277	1,078	199	28,063	4.6
	Pirojpur Sadar	7,806	5,221	2,585	-	-	-	-	7,806	6,099	1,707	25,725	30.3
	Zianagor	4,744	2,461	2,283	-	-	-	-	4,744	4,124	620	10,242	46.3
Sub-Total		38,939	27,241	11,698	-	-	-	1,392	40,331	36,547	3,784	182,906	22.1
Rajbari	Baliakandi	96	12	84	-	-	-	-	96	86	10	35,709	0.3
	Kalukhali	52	-	52	-	-	-	-	52	52	-	27,312	0.2
	Pangsha	200	16	184	-	-	-	-	200	189	11	43,441	0.5
	Rajbari Sadar	223	-	223	-	-	-	-	223	219	4	45,973	0.5
Sub-Total		571	28	543	-	-	-	-	571	546	25	152,435	0.4
Satkhira	Debhata	1,399	-	1,399	-	-	-	-	1,399	1,293	106	17,967	7.8
	Kalaroa	5,200	235	4,965	-	-	-	-	5,200	4,815	385	48,103	10.8
	Kaliganj	1,131	-	1,131	-	-	-	-	1,131	963	168	44,467	2.5
	Satkhira Sadar	14,950	-	14,950	-	-	-	-	14,950	13,563	1,387	89,515	16.7
	Tala	6,096	-	6,096	-	-	-	-	6,096	5,628	468	89,478	6.8
Sub-Total		28,776	235	28,541	-	-	-	-	28,776	26,262	2,514	289,530	9.9
Shariatpur	Bhedarganj	98	50	48	-	-	-	-	98	71	27	57,939	0.2
	Damudya	113	88	25	-	-	-	-	113	101	12	18,764	0.6
	Gosairhat	32	28	4	-	-	-	-	32	31	1	25,880	0.1
	Naria	88	80	8	-	-	-	-	88	76	12	26,142	0.3
	Shariatpur Sadar	67	65	2	-	-	-	-	67	57	10	33,281	0.2
	Zanjira	27	25	2	-	-	-	-	27	22	5	32,508	0.1
Sub-Total		425	336	89	-	-	-	-	425	358	67	194,514	0.2
FTF Districts		405,756	187,922	217,834	-	-	-	3,019	408,775	372,454	36,321	4,475,844	9.1

District	Upazila	Total Gutti Urea Users	Repeat Users of Gutti Urea	New Gutti Urea Users	Total NPK Users	Repeat Users of NPK	New NPK Users	FDP Users in Other Crops	Total FDP Farmers	Total Male FDP Farmers	Total Female FDP Farmers	Total Farmer in the Upazila	% of Farmers Using FDP
B. Mymensingh and Sherpur Districts													
Mymensingh	Bhaluka	60	23	37	-	-	-	-	60	53	7	65,637	0.1
	Dhobaura	1,800	1,050	750	-	-	-	-	1,800	1,546	254	48,422	3.7
	Gaffargaon	600	450	150	-	-	-	-	600	474	126	83,550	0.7
	Gauripur	-	-	-	-	-	-	-	-	-	-	58,028	-
	Haluaghat	2,150	830	1,320	-	-	-	-	2,150	1,963	187	60,123	3.6
	Ishwarganj	301	180	121	-	-	-	-	301	233	68	71,244	0.4
	Muktagachha	32	32	-	-	-	-	16	48	43	5	67,898	0.1
	Mymensingh Sadar	28	28	-	-	-	-	34	62	55	7	99,489	0.1
	Nandail	7,595	4,020	3,575	-	-	-	-	7,595	6,891	704	69,515	10.9
	Phulbari	7,640	6,600	1,040	-	-	-	308	7,948	6,812	1,136	67,035	11.9
Phulpur	18	-	18	-	-	-	-	18	15	3	1,23,215	0.0	
Trishal	345	320	25	-	-	-	-	345	302	43	73,230	0.5	
Sub-Total		20,569	13,533	7,036	-	-	-	358	20,927	18,387	2,540	887,386	2.4
Sherpur	Jhenaigati	550	390	160	-	-	-	-	550	480	70	31,650	1.7
	Nakla	106	97	9	-	-	-	-	106	102	4	38,576	0.3
	Nalitabari	1,965	1,385	580	-	-	-	-	1,965	1,838	127	52,363	3.8
	Sherpur Sadar	950	700	250	-	-	-	-	950	734	216	84,143	1.1
	Sreebardi	48	31	17	-	-	-	-	48	43	5	64,559	0.1
Sub-Total		3,619	2,603	1,016	-	-	-	-	3,619	3,197	422	2,71,291	1.3
Total M&S		24,188	16,136	8,052	-	-	-	358	24,546	21,584	2,962	1,158,677	2.1
Grand Total		429,944	204,058	225,886	-	-	-	3,377	433,321	394,038	39,283	5,634,521	7.7

Appendix 3. Area Under *Guti* Urea and NPK by Upazila – Aman 2011, Boro and Aus Seasons 2012

District	Upazila	Aman 2011			Boro 2012			Aus 2012			Gross Rice Area	
		Total HYV/ Hybrid Aman Area (ha)	Total UDP Area (Ha)	Total NPK Area (Ha)	Total HYV/ Hybrid Boro Area (ha)	Total UDP Area (Ha)	Total NPK Area (Ha)	* Total HYV/ Hybrid Aus Area (ha)	Total UDP Area (Ha)	Total NPK Area (Ha)	Total UDP Area (Ha)	Total NPK Area (Ha)
A. FTF Zone												
Bagerhat	Sadar	4,430	3,120	25	7,220	4,972	-	6	4		8,096	25
	Fakirhat	4,330	2,182	164	6,446	4,375	-	111	40		6,597	164
	Kachua	3,775	1,177	-	5,385	2,398	-	1,825	1,080		4,655	-
	Mollahat	2,076	940	59	8,524	6,355	-	90	25		7,320	59
	Morrelganj	5,200	2,815	111	2,200	1,885	-	2,500	2,094		6,794	111
	Rampal	855	198	-	2,435	1,803	-	-	-		2,001	-
Sub Total:		20,666	10,432	359	32,210	21,788	-	4,532	3,243	-	35,463	359
Barguna	Amtali	12,895	5,195	305	235	203	-	12,450	9,965		15,363	305
	Bamna	1,350	650	40	16	15	-	4,800	4,140		4,805	40
	Sadar	6,411	2,964	227	338	230	-	14,499	12,748		15,942	227
	Betagi	2,200	1,020	75	10	10	-	8,211	6,525		7,555	75
Sub Total:		22,856	9,829	647	599	458	-	39,960	33,378	-	43,665	647
Barisal	Agailjhara	195	35	-	10,031	5,810	-	425	180		6,025	-
	Babuganj	7,650	3,590	145	1,786	1,482	-	384	195		5,267	145
	Bakerganj	10,099	4,663	78	1,055	712	-	7,000	5,417		10,792	78
	Banaripara	485	441	1	6,337	4,360	-	125	60		4,861	1
	Sadar	8,795	2,137	-	6,000	3,705	-	4,000	2,331		8,173	-
	Gaurnadi	2,440	907	-	6,772	5,795	-	149	100		6,802	-
	Muladi	4,860	1,105	-	3,372	2,158	-	520	140		3,403	-
	Wazirpur	2,298	1,350	-	14,661	11,185	-	79	59		12,594	-
Sub Total:		36,822	14,228	224	50,014	35,207	-	12,682	8,482	-	57,917	224
Bhola	Sadar				9,976	2,700	-	6,265	1,150		3,850	-
	Burhanuddin				11,288	4,612	-	5,600	1,165		5,777	-
	Char Fasson				19,550	7,660	-	5,490	710		8,370	-
	Daulatkhan				3,382	1,600	-	2,285	230		1,830	-
	Lalmohan				10,354	2,900	-	2,373	252		3,152	-
	Tazumuddin				2,351	1,157	-	764	198		1,355	-
Sub Total:		-	-	-	56,901	20,629	-	22,777	3,705	-	24,334	-

District	Upazila	Aman 2011			Boro 2012			Aus 2012			Gross Rice Area	
		Total HYV/ Hybrid Aman Area (ha)	Total UDP Area (Ha)	Total NPK Area (Ha)	Total HYV/ Hybrid Boro Area (ha)	Total UDP Area (Ha)	Total NPK Area (Ha)	* Total HYV/ Hybrid Aus Area (ha)	Total UDP Area (Ha)	Total NPK Area (Ha)	Total UDP Area (Ha)	Total NPK Area (Ha)
Chuadanga	Alamdanga				17,085	7,020	-	3,500	800		7,820	-
	Sadar				7,907	3,680	-	5,570	702		4,382	-
	Damurhuda				9,620	4,020	-	5,465	2,025		6,045	-
	Jibannagar				6,875	2,880	-	3,250	1,105		3,985	-
Sub Total:		-	-	-	41,487	17,600	-	17,785	4,632	-	22,232	-
Faridpur	Alfadanga				3,519	1,380	-	27	8		1,388	-
	Bhanga				5,381	2,220	-	12	5		2,225	-
	Boalmari				5,333	1,984	-	20	7		1,991	-
	Sadar				5,847	2,506	-	122	35		2,541	-
	Madhukhali				3,416	1,535	-	64	32		1,567	-
	Nagarkanda				3,992	1,650	-	48	19		1,669	-
	Sadarpur				3,019	1,360	-	8	3		1,363	-
	Saltha				2,785	1,200	-	9	3		1,203	-
Sub Total:		-	-	-	33,293	13,835	-	310	112	-	13,947	-
Gopalganj	Gopalganj Sadar	1,336	365	-	19,284	8,805	-	178	54		9,224	-
	Kashiani	451	200	-	13,749	7,049	-	52	2		7,251	-
	Kotalipara	257	40	-	23,227	11,863	-	40	14		11,917	-
	Muksudpur	1,850	375	-	15,480	7,500	-	-	-		7,875	-
	Tungipara	700	195	-	8,800	4,600	-	219	35		4,830	-
Sub Total:	4,594	1,175	-	80,540	39,817	-	489	105	-	41,097	-	
Jessore	Abhaynagar				14,986	5,762	-	3,105	426		6,188	-
	Bagherpara				15,200	6,110	-	1,230	380		6,490	-
	Chaugachha				14,270	5,203	-	1,980	615		5,818	-
	Sadar				27,631	10,956	-	2,633	951		11,907	-
	Jhikargachha				18,109	7,244	-	1,707	405		7,649	-
	Keshabpur				16,279	6,255	-	3,265	1,418		7,673	-
	Manirampur				30,028	10,721	-	6,680	1,262		11,983	-
	Sharsha				22,529	9,706	-	7,418	3,114		12,820	-
Sub Total:		-	-	-	1,59,032	61,957	-	28,018	8,571	-	70,528	-

District	Upazila	Aman 2011			Boro 2012			Aus 2012			Gross Rice Area	
		Total HYV/ Hybrid Aman Area (ha)	Total UDP Area (Ha)	Total NPK Area (Ha)	Total HYV/ Hybrid Boro Area (ha)	Total UDP Area (Ha)	Total NPK Area (Ha)	* Total HYV/ Hybrid Aus Area (ha)	Total UDP Area (Ha)	Total NPK Area (Ha)	Total UDP Area (Ha)	Total NPK Area (Ha)
Jhalakati	Sadar	2,950	1,510	26	5,429	4,305	-	3,774	1,892		7,707	26
	Kathalia	1,550	525	-	136	120	-	4,500	2,900		3,545	-
	Nalchity	3,000	1,800	-	3,809	3,275	-	2,165	2,119		7,194	-
	Rajapur	3,250	1,080	-	185	155	-	4,096	3,131		4,366	-
Sub Total:		10,750	4,915	26	9,559	7,855	-	14,535	10,042	-	22,812	26
Jhenaidah	Harinakunda				10,680	3,370	-	737	305		3,675	-
	Sadar				24,339	9,486	-	1,000	448		9,934	-
	Kaliganj				17,705	6,255	-	811	435		6,690	-
	Kotchandpur				6,775	2,660	-	3,680	1,350		4,010	-
	Maheshpur				24,350	8,525	-	6,636	2,145		10,670	-
	Shaikupa				12,201	4,597	-	6,540	2,933		7,530	-
Sub Total:		-	-	-	96,050	34,893	-	19,404	7,616	-	42,509	-
Khulna	Dighalia				4,045	2,621	-	18	18		2,639	-
	Dumuria				19,150	7,659	-	263	115		7,774	-
	Paikgachha				1,875	663	-	91	44		707	-
	Phultala				4,765	1,925	-	60	40		1,965	-
	Terokhada				6,365	1,625	-	19	16		1,641	-
Sub Total:		-	-	-	36,200	14,493	-	451	233	-	14,726	-
Madaripur	Kalkini	260	96	-	13,468	11,200	-	45	18		11,314	-
	Sadar	362	115	-	13,140	10,712	-	35	7		10,834	-
	Rajoir	601	150	-	11,061	9,521	-	50	8		9,679	-
	Shibchar	795	155	-	6,920	5,500	-	90	21		5,676	-
Sub Total:		2,018	516	-	44,589	36,933	-	220	54	-	37,503	-
Magura	Sadar				21,364	8,200	-	2,900	205		8,405	-
	Mohammadpur				5,346	2,130	-	87	35		2,165	-
	Shalikha				14,400	5,803	-	2,194	870		6,673	-
	Sreepur				3,420	1,424	-	1,315	1,020		2,444	-
Sub Total:		-	-	-	44,530	17,557	-	6,495	2,130	-	19,687	-
Meherpur	Gangni				10,444	4,212	-	1,005	225		4,437	-
	Sadar				11,091	4,495	-	3,750	1,092		5,587	-
	Mujibnagar				4,850	1,835	-	1,210	505		2,340	-
Sub Total:		-	-	-	26,385	10,542	-	5,965	1,822	-	12,364	-

District	Upazila	Aman 2011			Boro 2012			Aus 2012			Gross Rice Area	
		Total HYV/ Hybrid Aman Area (ha)	Total UDP Area (Ha)	Total NPK Area (Ha)	Total HYV/ Hybrid Boro Area (ha)	Total UDP Area (Ha)	Total NPK Area (Ha)	* Total HYV/ Hybrid Aus Area (ha)	Total UDP Area (Ha)	Total NPK Area (Ha)	Total UDP Area (Ha)	Total NPK Area (Ha)
Narail	Kalia				15,064	5,922	-	126	63		5,985	-
	Lohagara				7,715	2,932	-	45	20		2,952	-
	Sadar				21,575	7,467	-	740	370		7,837	-
Sub Total:		-	-	-	44,354	16,321	-	911	453	-	16,774	-
Patuakhali	Bauphal	15,200	7,695	692	1,380	1,326	-	10,000	8,635		17,656	692
	Dasmina	7,990	2,321	-	88	52	-	2,410	2,042		4,415	-
	Dumki	3,220	1,968	191	450	402	-	1,240	925		3,295	191
	Galachipa	30,048	13,480	490	1,235	745	-	13,342	8,451		22,676	490
	Kalapara	26,225	7,929	-	282	181	-	415	392		8,502	-
	Mirzaganj	1,400	772	61	50	46	-	5,500	4,381		5,199	61
	Sadar	7,260	3,405	164	93	86	-	4,390	3,340		6,831	164
Sub Total:		91,343	37,570	1,598	3,578	2,838	-	37,297	28,166	-	68,574	1,598
Pirojpur	Bhandaria	1,250	580	18	132	109	-	1,820	1,500		2,189	18
	Kawkhali	480	276	31	30	27	-	2,839	1,812		2,115	31
	Mathbaria	5,470	3,150	23	1,800	1,440	-	5,710	3,710		8,300	23
	Nazirpur	2,205	835	-	11,913	6,600	-	1,372	1,350		8,785	-
	Nesarabad	648	265	-	3,486	2,209	-	600	322		2,796	-
	Sadar	1,813	1,112	69	3,179	2,033	-	4,762	3,247		6,392	69
	Zianagor	1,910	945	38	124	111	-	2,742	2,088		3,144	38
Sub Total:		13,776	7,163	179	20,663	12,528	-	19,845	14,029	-	33,720	179
Rajbari	Baliakandi				2,715	1,220	-	35	8		1,228	-
	Kalukhali				3,185	1,300	-	30	10		1,310	-
	Pangsha				3,906	1,336	-	29	20		1,356	-
	Sadar				6,615	2,950	-	82	42		2,992	-
Sub Total:		-	-	-	16,420	6,806	-	176	80	-	6,886	-
Satkhira	Debhata				6,250	2,505	-	410	148		2,653	-
	Kalaroa				12,475	4,906	-	2,982	1,200		6,106	-
	Kaliganj				5,720	2,120	-	680	259		2,379	-
	Sadar				24,800	8,664	-	3,834	1,150		9,814	-
	Tala				19,011	6,509	-	2,105	755		7,264	-
Sub Total:		-	-	-	68,256	24,704	-	10,011	3,512	-	28,216	-

District	Upazila	Aman 2011			Boro 2012			Aus 2012			Gross Rice Area	
		Total HYV/ Hybrid Aman Area (ha)	Total UDP Area (Ha)	Total NPK Area (Ha)	Total HYV/ Hybrid Boro Area (ha)	Total UDP Area (Ha)	Total NPK Area (Ha)	* Total HYV/ Hybrid Aus Area (ha)	Total UDP Area (Ha)	Total NPK Area (Ha)	Total UDP Area (Ha)	Total NPK Area (Ha)
Shariatpur	Bhedarganj	60	28	-	5,537	4,365	-	24	14		4,407	-
	Damudya	700	420	-	4,810	4,055	-	43	21		4,496	-
	Gosairhat	60	45	-	5,651	4,760	-	8	4		4,809	-
	Naria	70	32	-	6,068	4,930	-	10	7		4,969	-
	Sadar	59	20	-	7,015	6,248	30	12	7		6,275	30
	Zanjira	40	16	-	3,271	3,260	-	7	5		3,281	-
Sub Total:		989	561	-	32,352	27,618	30	103	58	-	28,237	30
FtF Zone Total		2,03,813	86,389	3,033	8,97,011	4,24,378	30	2,41,965	1,30,423	-	6,41,190	3,063
B. Mymensingh Zone												
Mymensingh	Bhaluka	19,125	4,980		18,402	9,955	-	180	10		14,945	-
	Dhobaura	5,700	2,180		11,994	6,135	-	1,196	360		8,675	-
	Gaffargaon	15,375	3,895		24,445	12,673	-	454	60		16,628	-
	Gauripur	13,967	2,278		21,674	9,723	-	-	-		12,001	-
	Haluaghat	13,396	4,050		21,327	10,080	-	2,500	750		14,880	-
	Ishwarganj	20,676	6,832		21,885	10,754	-	555	50		17,636	-
	Muktagachha	18,127	6,725		17,627	9,914	-	110	10		16,649	-
	Sadar	16,159	3,310		20,470	10,810	-	20	10		14,130	-
	Nandail	19,500	6,215		19,762	11,020	-	2,351	1,250		18,485	-
	Phulbari	13,235	4,502		21,040	12,367	-	2,520	1,520		18,389	-
Phulpur	35,905	12,803		45,807	20,049	-	3	3		32,855	-	
Trishal	11,517	3,169		22,030	12,617	-	287	112		15,898	-	
Sub Total:		2,02,682	60,939	-	2,66,463	1,36,097	-	10,176	4,135	-	2,01,171	-
Sherpur	Jhenaigati	9,000	1,835		12,130	6,990	-	685	110		8,935	-
	Nakla	8,160	3,733		13,565	8,310	-	38	16		12,059	-
	Nalitabari	12,625	4,517		22,338	12,395	-	850	515		17,427	-
	Sherpur Sadar	14,108	4,410		27,130	12,780	-	1,050	95		17,285	-
	Sreebardi	8,515	3,004		18,838	9,590	-	95	10		12,604	-
Sub Total:		52,408	17,499	-	94,001	50,065	-	2,718	746	-	68,310	-
M&S Total		2,55,090	78,438	-	3,60,464	1,86,162	-	12,894	4,881	-	2,69,481	-
Grand Total:		4,58,903	1,64,827	3,033	12,57,475	6,10,540	30	2,54,859	1,35,304	-	9,10,671	3,063

* Aus HYV/Hybrid area from block survey.

Appendix 4. Farmers Using FDP Products in Aman 2011, Boro and Aus Seasons 2012 by Upazila

District	Upazila	FDP Farmers											
		Aman, 11 (Rice and Vegetable)			Boro, 12 (Rice and Vegetable)			Aus, 12 (Rice and Vegetable)			Total (Rice and Vegetable) Across 3 Seasons		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
A. FtF districts													
Bagerhat	Bagerhat Sadar	8,845	441	9,286	11,585	705	12,290	21	-	21	20,451	1,146	21,597
	Fakirhat	6,992	1,064	8,056	12,097	534	12,631	235	22	257	19,324	1,620	20,944
	Kachua	4,001	301	4,302	6,034	207	6,241	2,725	464	3,189	12,760	972	13,732
	Mollahat	3,110	586	3,696	16,895	599	17,494	164	19	183	20,169	1,204	21,373
	Morrelganj	8,289	1,143	9,432	4,419	307	4,726	4,665	1,311	5,976	17,373	2,761	20,134
	Rampal	636	54	690	4,221	423	4,644	-	-	-	4,857	477	5,334
Sub Total:		31,873	3,589	35,462	55,251	2,775	58,026	7,810	1,816	9,626	94,934	8,180	103,114
Barguna	Amtali	17,574	2,896	20,470	277	78	355	18,730	2,039	20,769	36,581	5,013	41,594
	Bamna	2,795	305	3,100	78	-	78	7,549	654	8,203	10,422	959	11,381
	Barguna Sadar	10,395	2,336	12,731	282	68	350	16,391	2,389	18,780	27,068	4,793	31,861
	Betagi	2,915	461	3,376	53	-	53	11,492	1,061	12,553	14,460	1,522	15,982
Sub Total:		33,679	5,998	39,677	690	146	836	54,162	6,143	60,305	88,531	12,287	100,818
Barisal	Agailjhara	194	31	225	13,107	268	13,375	681	89	770	13,982	388	14,370
	Babuganj	11,933	1,186	13,119	5,169	431	5,600	765	161	926	17,867	1,778	19,645
	Bakerganj	14,120	976	15,096	2,480	275	2,755	8,946	2,067	11,013	25,546	3,318	28,864
	Banaripara	1,631	178	1,809	10,418	162	10,580	486	25	511	12,535	365	12,900
	Barisal Sadar	7,773	411	8,184	3,634	631	4,265	4,814	1,672	6,486	16,221	2,714	18,935
	Gaurnadi	4,260	218	4,478	13,963	199	14,162	1,019	111	1,130	19,242	528	19,770
	Muladi	3,875	596	4,471	5,518	637	6,155	426	106	532	9,819	1,339	11,158
	Wazirpur	5,060	340	5,400	20,643	1,015	21,658	539	62	601	26,242	1,417	27,659
Sub Total:		48,846	3,936	52,782	74,932	3,618	78,550	17,676	4,293	21,969	141,454	11,847	153,301
Bhola	Bhola Sadar			-	9,196	952	10,148	3,675	357	4,032	12,871	1,309	14,180
	Burhanuddin			-	15,584	1,573	17,157	3,431	150	3,581	19,015	1,723	20,738
	Char Fasson			-	25,367	1,507	26,874	2,229	330	2,559	27,596	1,837	29,433
	Daulatkhan			-	7,071	324	7,395	635	83	718	7,706	407	8,113
	Lalmohan			-	12,256	444	12,700	697	128	825	12,953	572	13,525
	Tazumuddin			-	4,450	286	4,736	553	127	680	5,003	413	5,416
Sub Total:		-	-	-	73,924	5,086	79,010	11,220	1,175	12,395	85,144	6,261	91,405

District	Upazila	FDP Farmers											
		Aman, 11 (Rice and Vegetable)			Boro, 12 (Rice and Vegetable)			Aus, 12 (Rice and Vegetable)			Total (Rice and Vegetable) Across 3 Seasons		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Chuadanga	Alamdanga			-	21,293	1,171	22,464	3,254	387	3,641	24,547	1,558	26,105
	Chuadanga Sadar			-	14,779	885	15,664	3,687	407	4,094	18,466	1,292	19,758
	Damurhuda			-	16,530	1,560	18,090	6,950	1,400	8,350	23,480	2,960	26,440
	Jibannagar			-	12,304	396	12,700	14,941	162	15,103	27,245	558	27,803
Sub Total:		-	-	-	64,906	4,012	68,918	28,832	2,356	31,188	93,738	6,368	100,106
Faridpur	Alfadanga			-	5,166	554	5,720	63	17	80	5,229	571	5,800
	Bhanga			-	6,721	779	7,500	16	3	19	6,737	782	7,519
	Boalmari			-	7,084	1,068	8,152	33	9	42	7,117	1,077	8,194
	Faridpur Sadar			-	10,926	651	11,577	170	22	192	11,096	673	11,769
	Madhukhali			-	7,010	444	7,454	130	19	149	7,140	463	7,603
	Nagarkanda			-	5,516	640	6,156	45	6	51	5,561	646	6,207
	Sadarpur			-	4,151	335	4,486	32	2	34	4,183	337	4,520
	Saltha			-	7,789	393	8,182	43	12	55	7,832	405	8,237
Sub Total:		-	-	-	54,363	4,864	59,227	532	90	622	54,895	4,954	59,849
Gopalganj	Gopalganj Sadar	1,732	438	2,170	20,716	3,614	24,330	279	60	339	22,727	4,112	26,839
	Kashiani	595	105	700	13,428	723	14,151	9	1	10	14,032	829	14,861
	Kotalipara	215	55	270	18,998	3,155	22,153	151	28	179	19,364	3,238	22,602
	Muksudpur	1,258	177	1,435	14,883	1,678	16,561	-	-	-	16,141	1,855	17,996
	Tungipara	810	165	975	7,740	2,182	9,922	224	25	249	8,774	2,372	11,146
Sub Total:		4,610	940	5,550	75,765	11,352	87,117	663	114	777	81,038	12,406	93,444
Jessore	Abhaynagar			-	18,421	614	19,035	2,464	150	2,614	20,885	764	21,649
	Bagherpara			-	23,239	226	23,465	2,004	73	2,077	25,243	299	25,542
	Chaugachha			-	21,187	2,336	23,523	3,858	200	4,058	25,045	2,536	27,581
	Jessore Sadar			-	31,640	912	32,552	4,379	362	4,741	36,019	1,274	37,293
	Jhikargachha			-	19,584	936	20,520	1,845	129	1,974	21,429	1,065	22,494
	Keshabpur			-	21,320	790	22,110	6,440	474	6,914	27,760	1,264	29,024
	Manirampur			-	34,377	5,267	39,644	5,595	411	6,006	39,972	5,678	45,650
	Sharsha			-	17,998	2,059	20,057	7,863	1,134	8,997	25,861	3,193	29,054
Sub Total:		-	-	-	1,87,766	13,140	200,906	34,448	2,933	37,381	222,214	16,073	238,287
Jhalakati	Jhalakati Sadar	5,548	602	6,150	13,771	942	14,713	7,162	471	7,633	26,481	2,015	28,496
	Kathalia	1,831	219	2,050	571	121	692	7,280	156	7,436	9,682	496	10,178
	Nalchity	6,746	692	7,438	8,608	502	9,110	7,254	618	7,872	22,608	1,812	24,420
	Rajapur	4,436	464	4,900	395	72	467	8,644	421	9,065	13,475	957	14,432
Sub Total:		18,561	1,977	20,538	23,345	1,637	24,982	30,340	1,666	32,006	72,246	5,280	77,526

District	Upazila	FDP Farmers											
		Aman, 11 (Rice and Vegetable)			Boro, 12 (Rice and Vegetable)			Aus, 12 (Rice and Vegetable)			Total (Rice and Vegetable) Across 3 Seasons		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Jhenaidah	Harinakunda			-	13,338	1,490	14,828	1,406	171	1,577	14,744	1,661	16,405
	Jhenaidah Sadar			-	25,300	4,872	30,172	1,919	258	2,177	27,219	5,130	32,349
	Kaliganj			-	19,468	689	20,157	1,493	230	1,723	20,961	919	21,880
	Kotchandpur			-	8,960	920	9,880	4,540	1,070	5,610	13,500	1,990	15,490
	Maheshpur			-	21,676	544	22,220	9,905	401	10,306	31,581	945	32,526
	Shailkupa			-	18,140	561	18,701	14,007	991	14,998	32,147	1,552	33,699
Sub Total:		-	-	-	1,06,882	9,076	115,958	33,270	3,121	36,391	140,152	12,197	152,349
Khulna	Dighalia			-	7,802	418	8,220	114	-	114	7,916	418	8,334
	Dumuria			-	28,880	1,133	30,013	777	54	831	29,657	1,187	30,844
	Paikgachha			-	2,345	172	2,517	223	56	279	2,568	228	2,796
	Phultala			-	5,185	315	5,500	272	40	312	5,457	355	5,812
	Terokhada			-	4,715	370	5,085	137	6	143	4,852	376	5,228
Sub Total:		-	-	-	48,927	2,408	51,335	1,523	156	1,679	50,450	2,564	53,014
Madaripur	Kalkini	616	152	768	18,378	3,179	21,557	69	22	91	19,063	3,353	22,416
	Madaripur Sadar	569	156	725	24,477	2,550	27,027	50	2	52	25,096	2,708	27,804
	Rajoir	868	187	1,055	19,815	1,333	21,148	44	7	51	20,727	1,527	22,254
	Shibchar	999	241	1,240	11,599	1,389	12,988	73	10	83	12,671	1,640	14,311
Sub Total:		3,052	736	3,788	74,269	8,451	82,720	236	41	277	77,557	9,228	86,785
Magura	Magura Sadar			-	21,831	2,887	24,718	1,117	174	1,291	22,948	3,061	26,009
	Mohammadpur			-	8,253	521	8,774	180	50	230	8,433	571	9,004
	Shalikhha			-	21,787	1,419	23,206	3,532	689	4,221	25,319	2,108	27,427
	Sreepur			-	4,076	188	4,264	4,414	186	4,600	8,490	374	8,864
Sub Total:		-	-	-	55,947	5,015	60,962	9,243	1,099	10,342	65,190	6,114	71,304
Meherpur	Gangni			-	16,117	833	16,950	883	159	1,042	17,000	992	17,992
	Meherpur Sadar			-	17,570	3,135	20,705	4,744	265	5,009	22,314	3,400	25,714
	Mujibnagar			-	7,481	250	7,731	2,161	141	2,302	9,642	391	10,033
Sub Total:		-	-	-	41,168	4,218	45,386	7,788	565	8,353	48,956	4,783	53,739
Narail	Kalia			-	21,258	2,422	23,680	368	73	441	21,626	2,495	24,121
	Lohagara			-	7,607	1,778	9,385	190	23	213	7,797	1,801	9,598
	Narail Sadar			-	25,683	2,758	28,441	1,742	178	1,920	27,425	2,936	30,361
Sub Total:		-	-	-	54,548	6,958	61,506	2,300	274	2,574	56,848	7,232	64,080

District	Upazila	FDP Farmers											
		Aman, 11 (Rice and Vegetable)			Boro, 12 (Rice and Vegetable)			Aus, 12 (Rice and Vegetable)			Total (Rice and Vegetable) Across 3 Seasons		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Patuakhali	Bauphal	27,430	1,412	28,842	3,510	333	3,843	21,783	970	22,753	52,723	2,715	55,438
	Dasmina	7,188	718	7,906	173	34	207	3,590	271	3,861	10,951	1,023	11,974
	Dumki	7,605	339	7,944	817	93	910	3,919	134	4,053	12,341	566	12,907
	Galachipa	45,923	2,500	48,423	1,500	264	1,764	22,170	1,331	23,501	69,593	4,095	73,688
	Kalapara	12,681	912	13,593	497	31	528	955	191	1,146	14,133	1,134	15,267
	Mirzaganj	3,219	621	3,840	211	20	231	9,648	547	10,195	13,078	1,188	14,266
	Patuakhali Sadar	14,055	2,092	16,147	301	34	335	6,633	645	7,278	20,989	2,771	23,760
Sub Total:		118,101	8,594	126,695	7,009	809	7,818	68,698	4,089	72,787	193,808	13,492	207,300
Pirojpur	Bhandaria	3,924	284	4,208	803	54	857	4,818	350	5,168	9,545	688	10,233
	Kawkhali	1,600	218	1,818	89	8	97	4,598	246	4,844	6,287	472	6,759
	Mathbaria	11,505	671	12,176	3,878	142	4,020	11,319	466	11,785	26,702	1,279	27,981
	Nazirpur	4,012	303	4,315	12,898	429	13,327	4,511	196	4,707	21,421	928	22,349
	Nesarabad	1,241	295	1,536	4,739	449	5,188	1,078	199	1,277	7,058	943	8,001
	Pirojpur Sadar	5,252	366	5,618	7,169	1,077	8,246	6,099	1,707	7,806	18,520	3,150	21,670
	Zianagor	3,401	170	3,571	286	57	343	4,124	620	4,744	7,811	847	8,658
Sub Total:		30,935	2,307	33,242	29,862	2,216	32,078	36,547	3,784	40,331	97,344	8,307	105,651
Rajbari	Baliakandi			-	3,070	155	3,225	86	10	96	3,156	165	3,321
	Kalukhali			-	4,955	310	5,265	52	-	52	5,007	310	5,317
	Pangsha			-	4,208	207	4,415	189	11	200	4,397	218	4,615
	Rajbari Sadar			-	7,871	449	8,320	219	4	223	8,090	453	8,543
Sub Total:		-	-	-	20,104	1,121	21,225	546	25	571	20,650	1,146	21,796
Satkhira	Debhata			-	5,053	747	5,800	1,293	106	1,399	6,346	853	7,199
	Kalaroa			-	19,130	528	19,658	4,815	385	5,200	23,945	913	24,858
	Kaliganj			-	6,853	967	7,820	963	168	1,131	7,816	1,135	8,951
	Satkhira Sadar			-	36,956	3,765	40,721	13,563	1,387	14,950	50,519	5,152	55,671
	Tala			-	27,057	2,252	29,309	5,628	468	6,096	32,685	2,720	35,405
Sub Total:		-	-	-	95,049	8,259	103,308	26,262	2,514	28,776	121,311	10,773	132,084

District	Upazila	FDP Farmers											
		Aman, 11 (Rice and Vegetable)			Boro, 12 (Rice and Vegetable)			Aus, 12 (Rice and Vegetable)			Total (Rice and Vegetable) Across 3 Seasons		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Shariatpur	Bhedarganj	113	35	148	12,782	2,135	14,917	71	27	98	12,966	2,197	15,163
	Damudya	1,362	53	1,415	9,711	2,133	11,844	101	12	113	11,174	2,198	13,372
	Gosairhat	285	23	308	10,341	3,580	13,921	31	1	32	10,657	3,604	14,261
	Naria	159	46	205	13,307	2,408	15,715	76	12	88	13,542	2,466	16,008
	Shariatpur Sadar	94	8	102	16,584	1,904	18,488	57	10	67	16,735	1,922	18,657
	Zanjira	83	3	86	6,709	841	7,550	22	5	27	6,814	849	7,663
Sub Total:		2,096	168	2,264	69,434	13,001	82,435	358	67	425	71,888	13,236	85,124
FtF zone Total		291,753	28,245	319,998	1,214,141	108,162	1,322,303	372,454	36,321	408,775	1,878,348	172,728	2,051,076
B. Mymensingh Zone													
Mymensingh	Bhaluka	15,790	1,635	17,425	27,340	2,164	29,504	53	7	60	43,183	3,806	46,989
	Dhobaura	5,150	1,685	6,835	20,660	6,110	26,770	1,546	254	1,800	27,356	8,049	35,405
	Gaffargaon	17,653	533	18,186	26,929	4,400	31,329	474	126	600	45,056	5,059	50,115
	Gauripur	6,570	455	7,025	16,451	767	17,218	-	-	-	23,021	1,222	24,243
	Haluaghat	14,596	2,273	16,869	35,302	1,512	36,814	1,963	187	2,150	51,861	3,972	55,833
	Ishwarganj	18,979	2,504	21,483	18,822	742	19,564	233	68	301	38,034	3,314	41,348
	Muktagachha	18,025	511	18,536	22,997	1,515	24,512	43	5	48	41,065	2,031	43,096
	Sadar	13,758	2,672	16,430	29,492	3,860	33,352	55	7	62	43,305	6,539	49,844
	Nandail	20,757	518	21,275	36,405	3,705	40,110	6,891	704	7,595	64,053	4,927	68,980
	Phulbari	18,787	2,618	21,405	32,423	4,936	37,359	6,812	1,136	7,948	58,022	8,690	66,712
	Phulpur	39,577	364	39,941	40,615	7,855	48,470	15	3	18	80,207	8,222	88,429
	Trishal	13,870	2,790	16,660	20,693	7,176	27,869	302	43	345	34,865	10,009	44,874
Sub Total:		203,512	18,558	222,070	328,129	44,742	372,871	18,387	2,540	20,927	550,028	65,840	615,868
Sherpur	Jhenaigati	6,853	623	7,476	20,903	247	21,150	480	70	550	28,236	940	29,176
	Nakla	13,632	1,221	14,853	24,299	2,696	26,995	102	4	106	38,033	3,921	41,954
	Nalitabari	16,849	1,099	17,948	34,987	996	35,983	1,838	127	1,965	53,674	2,222	55,896
	Sherpur Sadar	17,645	1,951	19,596	73,808	2,254	76,062	734	216	950	92,187	4,421	96,608
	Sreebardi	11,724	527	12,251	29,950	830	30,780	43	5	48	41,717	1,362	43,079
Sub Total:		66,703	5,421	72,124	1,83,947	7,023	1,90,970	3,197	422	3,619	2,53,847	12,866	2,66,713
Mymensingh Zone Total		270,215	23,979	294,194	512,076	51,765	563,841	21,584	2,962	24,546	803,875	78,706	882,581
Grand-Total:		561,968	52,224	614,192	17,26,217	159,927	1,886,144	394,038	39,283	433,321	2,682,223	251,434	2,933,657

Appendix 5. Rural Household Benefiting Directly Through September 2012

District	Upazila	Number Attending Training This Quarter		Number Attending Training Through September 2012		Briquette Machines Sold With Subsidy				Rural Households Benefiting			
		July-Sept. 12		Through Sept. 2012		July-Sept. 12		Through Sept. 2012		July-Sept. 12		Through Sept. 2012	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
A. FtF districts													
Bagerhat	Sadar	82	38	2,124	634	-	-	2	1	82	38	2,126	635
	Fakirhat	274	86	2,415	665	-	-	2	1	274	86	2,417	666
	Kachua	256	104	1,950	810	-	-	5	1	256	104	1,955	811
	Mollahat	134	66	2,159	521	-	-	-	2	134	66	2,159	523
	Morrelganj	94	26	2,009	671	-	-	2	-	94	26	2,011	671
	Rampal	59	21	846	314	-	-	2	-	59	21	848	314
Sub Total:		899	341	11503	3,615	0	0	13	5	899	341	11,516	3,620
Barguna	Amtali	905	495	4,699	1,901	-	1	2	1	905	496	4,701	1,902
	Bamna	106	14	1,249	470	-	-	-	-	106	14	1,249	470
	Sadar	357	163	3,996	1,684	-	-	3	-	357	163	3,999	1,684
	Betagi	151	9	1,872	725	-	-	-	-	151	9	1,872	725
Sub Total:		1,519	681	11816	4,780	0	1	5	1	1,519	682	11,821	4,781
Barisal	Agailjhara	32	8	1,897	503	-	-	6	1	32	8	1,903	504
	Babuganj	492	188	2,733	787	-	-	2	-	492	188	2,735	787
	Bakerganj	771	147	4,670	1,001	-	-	1	1	771	147	4,671	1,002
	Banaripara			1,498	222	-	-	1	-	-	-	1,499	222
	Sadar	691	227	4,026	925	-	-	5	2	691	227	4,031	927
	Gaurnadi	259	21	2,565	275	-	-	2	-	259	21	2,567	275
	Muladi	377	142	2,142	737	-	-	4	-	377	142	2,146	737
	Wazirpur	239	41	3,762	758	-	-	3	-	239	41	3,765	758
Sub Total:		2,861	774	23,293	5,208	0	0	24	4	2,861	774	23,317	5,212
Bhola	Sadar	1,557	643	2,901	1,099	4	1	12	2	1,561	644	2,913	1,101
	Burhanuddin	1,025	455	2,282	998	-	-	8	3	1,025	455	2,290	1,001
	Char Fasson	2,633	887	4,485	1,675	9	3	15	5	2,642	890	4,500	1,680
	Daulatkhan	357	123	875	285	-	1	2	2	357	124	877	287
	Lalmohan	860	340	1,971	709	3	-	9	1	863	340	1,980	710
	Tazumuddin	344	136	643	277	-	-	3	1	344	136	646	278
Sub Total:		6,776	2,584	13,157	5,043	16	5	49	14	6,792	2,589	13,206	5,057

District	Upazila	Number Attending Training This Quarter		Number Attending Training Through September 2012		Briquette Machines Sold With Subsidy				Rural Households Benefiting			
		July-Sept. 12		Through Sept. 2012		July-Sept. 12		Through Sept. 2012		July-Sept. 12		Through Sept. 2012	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Chuadanga	Alamdanga	1,691	709	3,474	1,366	2	1	8	2	1,693	710	3,482	1,368
	Sadar	822	338	2,199	761	2	-	6	-	824	338	2,205	761
	Damurhuda	940	380	2,186	894	1	-	5	1	941	380	2,191	895
	Jibannagar	779	221	1,819	501	-	-	3	-	779	221	1,822	501
Sub Total:		4,232	1,648	9,678	3,522	5	1	22	3	4,237	1,649	9,700	3,525
Faridpur	Alfadanga	199	41	506	134	2	-	3	-	201	41	509	134
	Bhanga	209	71	775	265	-	-	4	-	209	71	779	265
	Boalmari	447	153	949	371	1	-	3	2	448	153	952	373
	Sadar	601	239	1,259	501	-	-	5	3	601	239	1,264	504
	Madhukhali	412	108	794	206	1	-	3	-	413	108	797	206
	Nagarkanda	200	80	583	257	-	-	2	-	200	80	585	257
	Sadarpur	161	79	473	207	1	-	3	1	162	79	476	208
	Saltha	80	240	361	319	1	-	2	-	81	240	363	319
Sub Total:		2,309	1,011	5,700	2,260	6	0	25	6	2,315	1,011	5,725	2,266
Gopalganj	Sadar	87	29	3,224	1,524	1	1	8	5	88	30	3,232	1,529
	Kashiani	30	10	2,427	773	-	-	6	-	30	10	2,433	773
	Kotalipara	31	9	3,188	1,852	2	1	14	4	33	10	3,202	1,856
	Muksudpur	26	14	2,271	1,129	1	-	8	1	27	14	2,279	1,130
	Tungipara	97	23	1,958	842	-	-	8	-	97	23	1,966	842
Sub Total:		271	85	13,068	6,120	4	2	44	10	275	87	13,112	6,130
Jessore	Abhaynagar	755	325	2,265	935	3	-	8	1	758	325	2,273	936
	Bagherpara	1,546	534	3,010	990	2	-	11	1	1,548	534	3,021	991
	Chaugachha	1,246	434	2,681	919	1	-	6	-	1,247	434	2,687	919
	Sadar	2,397	1,003	5,428	2,092	3	1	14	5	2,400	1,004	5,442	2,097
	Jhikargachha	1,598	762	3,473	1,647	-	1	8	4	1,598	763	3,481	1,651
	Keshabpur	772	348	2,519	1,041	-	-	9	3	772	348	2,528	1,044
	Manirampur	1,913	847	5,251	2,549	1	-	8	4	1,914	847	5,259	2,553
	Sharsha	1,417	823	4,295	2,345	1	1	12	5	1,418	824	4,307	2,350
Sub Total:		11,644	5,076	28,922	12,518	11	3	76	23	11,655	5,079	28,998	12,541

District	Upazila	Number Attending Training This Quarter		Number Attending Training Through September 2012		Briquette Machines Sold With Subsidy				Rural Households Benefiting			
		July-Sept. 12		Through Sept. 2012		July-Sept. 12		Through Sept. 2012		July-Sept. 12		Through Sept. 2012	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Jhalakati	Sadar	274	86	2,647	793	-	-	1	-	274	86	2,648	793
	Kathalia	84	36	1,338	662	-	-	3	1	84	36	1,341	663
	Nalchity	124	36	2,207	513	-	-	2	-	124	36	2,209	513
	Rajapur	176	64	1,719	721	-	-	5	-	176	64	1,724	721
Sub Total:		658	222	7,911	2,689	0	0	11	1	658	222	7,922	2,690
Jhenaidah	Harinakunda	1,131	389	1,813	627	1	-	3	2	1,132	389	1,816	629
	Sadar	2,098	902	4,184	1,736	3	-	10	2	2,101	902	4,194	1,738
	Kaliganj	1,583	657	3,326	1,314	-	-	5	1	1,583	657	3,331	1,315
	Kotchandpur	714	286	1,519	681	2	-	5	-	716	286	1,524	681
	Maheshpur	1,668	652	4,787	1,732	2	-	7	2	1,670	652	4,794	1,734
	Shailkupa	1,941	419	3,837	843	-	-	4	1	1,941	419	3,841	844
Sub Total:		9,135	3,305	19,466	6,933	8	0	34	8	9,143	3,305	19,500	6,941
Khulna	Dighalia	136	64	635	365	-	-	3	1	136	64	638	366
	Dumuria	1,049	711	2,557	1,563	4	1	11	4	1,053	712	2,568	1,567
	Paikgachha	1,256	584	1,396	644	5	-	10	1	1,261	584	1,406	645
	Phultala	127	33	556	204	1	-	3	-	128	33	559	204
	Terokhada	59	21	363	197	-	-	4	-	59	21	367	197
Sub Total:		2,627	1,413	5,507	2,973	10	1	31	6	2,637	1,414	5,538	2,979
Madaripur	Kalkini	30	10	2,961	1,119	1	-	4	-	31	10	2,965	1,119
	Sadar	17	23	3,039	921	1	-	2	-	18	23	3,041	921
	Rajoir	102	58	2,443	1,037	-	-	2	-	102	58	2,445	1,037
	Shibchar	89	31	2,005	715	-	-	2	1	89	31	2,007	716
Sub Total:		238	122	10,448	3,792	2	0	10	1	240	122	10,458	3,793
Magura	Sadar	2,107	892	4,332	1,627	4	-	10	1	2,111	892	4,342	1,628
	Mohammadpur	868	452	1,387	613	2	-	4	-	870	452	1,391	613
	Shalikha	1,061	379	2,967	1,033	2	-	6	-	1,063	379	2,973	1,033
	Sreepur	1,001	399	1,553	607	2	1	6	2	1,003	400	1,559	609
Sub Total:		5,037	2,122	10,239	3,880	10	1	26	3	5,047	2,123	10,265	3,883
Meherpur	Gangni	1,240	440	2,439	841	2	-	6	1	1,242	440	2,445	842
	Sadar	691	349	2,011	909	-	-	6	1	691	349	2,017	910
	Mujibnagar	255	105	791	289	-	-	4	-	255	105	795	289
Sub Total:		2,186	894	5,241	2,039	2	0	16	2	2,188	894	5,257	2,041

District	Upazila	Number Attending Training This Quarter		Number Attending Training Through September 2012		Briquette Machines Sold With Subsidy				Rural Households Benefiting			
		July-Sept. 12		Through Sept. 2012		July-Sept. 12		Through Sept. 2012		July-Sept. 12		Through Sept. 2012	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Narail	Kalia	675	205	2,074	766	1	-	6	1	676	205	2,080	767
	Lohagara	547	253	1,226	534	1	-	8	-	548	253	1,234	534
	Sadar	1,371	669	3,165	1,395	1	-	7	3	1,372	669	3,172	1,398
Sub Total:		2,593	1,127	6,465	2,695	3	0	21	4	2,596	1,127	6,486	2,699
Patuakhali	Bauphal	879	321	4,928	1,752	-	-	3	1	879	321	4,931	1,753
	Dasmina	577	183	2,183	737	1	-	3	2	578	183	2,186	739
	Dumki	122	38	1,090	350	-	-	-	-	122	38	1,090	350
	Galachipa	2,098	902	7,755	2,925	1	1	8	3	2,099	903	7,763	2,928
	Kalapara	1,924	756	5,075	2,084	-	2	11	2	1,924	758	5,086	2,086
	Mirzaganj	60	20	1,370	550	-	-	1	1	60	20	1,371	551
	Sadar	495	185	2,311	889	-	-	2	-	495	185	2,313	889
Sub Total:		6,155	2,405	24,712	9,287	2	3	28	9	6,157	2,408	24,740	9,296
Pirojpur	Bhandaria	79	41	1,334	626	-	-	-	1	79	41	1,334	627
	Kawkhali	30	10	1,070	250	-	-	-	1	30	10	1,070	251
	Mathbaria	181	139	2,428	972	-	-	1	-	181	139	2,429	972
	Nazirpur	195	85	2,269	1,011	-	-	8	2	195	85	2,277	1,013
	Nesarabad	35	5	1,344	416	-	-	3	1	35	5	1,347	417
	Sadar	54	26	1,816	664	-	-	1	2	54	26	1,817	666
	Zianagor			686	234	-	-	-	-	-	-	686	234
Sub Total:		574	306	10,947	4,173	0	0	13	7	574	306	10,960	4,180
Rajbari	Baliakandi	490	230	733	347	1	-	3	-	491	230	736	347
	Kalukhali	476	204	732	308	1	-	3	1	477	204	735	309
	Pangsha	605	235	942	338	2	-	3	-	607	235	945	338
	Sadar	578	262	1,206	514	1	-	7	-	579	262	1,213	514
Sub Total:		2,149	931	3,613	1,507	5	0	16	1	2,154	931	3,629	1,508
Satkhira	Debhata	574	266	1,153	527	-	1	3	2	574	267	1,156	529
	Kalarooa	1,214	426	2,499	1,021	1	-	6	2	1,215	426	2,505	1,023
	Kaliganj	1,805	515	2,515	685	3	1	9	2	1,808	516	2,524	687
	Sadar	1,468	892	3,634	2,086	-	1	12	4	1,468	893	3,646	2,090
	Tala	867	333	2,439	915	1	1	7	2	868	334	2,446	917
Sub Total:		5,928	2,432	12,240	5,234	5	4	37	12	5,933	2,436	12,277	5,246

District	Upazila	Number Attending Training This Quarter		Number Attending Training Through September 2012		Briquette Machines Sold With Subsidy				Rural Households Benefiting			
		July-Sept. 12		Through Sept. 2012		July-Sept. 12		Through Sept. 2012		July-Sept. 12		Through Sept. 2012	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Shariatpur	Bhedarganj			1,204	436	-	-	2	-	-	-	1,206	436
	Damudya	26	14	988	492	-	-	2	-	26	14	990	492
	Gosairhat			1,075	445	-	-	-	-	-	-	1,075	445
	Naria			1,357	483	-	-	1	-	-	-	1,358	483
	Sadar			1,850	430	-	-	3	-	-	-	1,853	430
	Zanjira			1,496	304	-	-	-	-	-	-	1,496	304
Sub Total:		26	14	7,970	2,590	-	-	8	-	26	14	7,978	2,590
FtF zone Total		67,817	27,493	241,896	90,858	89	21	509	120	67,906	27,514	242,405	90,978
B. Mymensingh Zone													
Mymensingh	Bhaluka	1,489	471	7,001	1,599	2	-	11	1	1,491	471	7,012	1,600
	Dhobaura	180	100	2,726	1,194	-	-	6	-	180	100	2,732	1,194
	Gaffargaon	877	363	7,203	2,028	1	-	13	1	878	363	7,216	2,029
	Gauripur	1,545	535	6,206	1,752	1	-	9	-	1,546	535	6,215	1,752
	Haluaghat	800	440	5,427	2,813	1	-	9	-	801	440	5,436	2,813
	Ishwarganj	1,030	370	6,293	1,827	1	-	9	2	1,031	370	6,302	1,829
	Muktagachha	1,042	351	5,782	1,851	1	-	9	2	1,043	351	5,791	1,853
	Sadar	1,087	393	5,667	1,733	-	-	11	1	1,087	393	5,678	1,734
	Nandail	1,180	340	7,110	1,810	2	-	11	-	1,182	340	7,121	1,810
	Phulbari	799	281	5,848	2,067	-	1	6	2	799	282	5,854	2,069
	Phulpur	1,675	605	9,219	2,816	3	-	18	2	1,678	605	9,237	2,818
	Trishal	634	246	6,755	2,120	-	-	12	1	634	246	6,767	2,121
Sub Total:		12,338	4,495	75,237	23,610	12	1	124	12	12,350	4,496	75,361	23,622
Sherpur	Jhenaigati	768	232	3,723	1,197	-	-	7	-	768	232	3,730	1,197
	Nakla	410	190	3,972	1,466	-	-	10	-	410	190	3,982	1,466
	Nalitabari	655	345	5,070	1,890	1	-	11	3	656	345	5,081	1,893
	Sherpur Sadar	735	305	5,716	1,684	1	-	14	2	736	305	5,730	1,686
	Sreebardi	637	163	4,434	1,166	-	-	9	6	637	163	4,443	1,172
Sub Total:		3,205	1,235	22,915	7,403	2	0	51	11	3,207	1,235	22,966	7,414
Mymensingh Zone Total		15,543	5,730	98,152	31,013	14	1	175	23	15,557	5,731	98,327	31,036
Grand Total:		83,360	33,223	340,048	121,871	103	22	684	143	83,463	33,245	340,732	122,014

Appendix 6. *Guti* Urea, NPK *Guti* Produced and Number of Briquette Machines Sold by Upazila through September 2012

Districts	Name of Upazilas	Year 1 Production (mt)		Production (mt) Qtr 8 July-Sept 2012		Year 2 Production (mt)		Briquette Machines Sold		
		USG	NPK	USG	NPK	USG	NPK	Year 1	Qtr 8 July-Sept. 2012	Through Sept. 2012
A. FtF Districts										
Bagerhat	Bagerhat Sadar	902	9	365	-	1,200	-	2 (1)		3 (1)
	Fakirhat	777	32	352	-	1,148	-	3 (1)		3 (1)
	Kachua	305	-	270	-	808	-	5 (1)		6 (1)
	Mollahat	728	12	192	-	1,210	-	2 (2)		2 (2)
	Morrelganj	628	18	350	-	897	-	2		2
	Rampal	207	-	53	-	355	-	2		2
Sub Total:		3,547	71	1,582	-	5,618	-	16 (5)		18 (5)
Barguna	Amtali	1,156	86	1,081	-	2,284	-	-	1 (1)	3 (1)
	Bamna	354	31	130	-	598	-	-		-
	Barguna Sadar	878	69	512	-	1,976	-	1		3
	Betagi	513	50	175	-	907	-	-		-
Sub Total:		2,900	236	1,898	-	5,765	-	1	1 (1)	6 (1)
Barisal	Agailjhara	520	-	9	-	1,000	-	5 (1)		7 (1)
	Babuganj	652	47	652	-	931	-	2		2
	Bakerganj	948	26	816	-	1,495	-	2 (1)		2 (1)
	Banaripara	399	-	63	-	824	-	1		1
	Barisal Sadar	765	-	583	-	1,460	-	5 (2)		7(2)
	Gaurnadi	749	2	187	-	1,167	-	1		2
	Muladi	286	-	331	-	739	-	2		4
	Wazirpur	1,675	48	199	-	2,074	-	1		3
Sub Total:		5,993	122	2,840	-	9,689	-	19 (4)		28 (4)
Bhola	Bhola Sadar			920	-	1,523	-		5 (1)	14 (2)
	Burhanuddin			612	-	1,515	-			11 (3)
	Char Fasson			1,422	-	2,814	-		12 (3)	20 (5)
	Daulatkhan			200	-	503	-		1 (1)	4 (2)
	Lalmohan			508	-	1,127	-		3	10 (1)
	Tazumuddin			210	-	466	-			4(1)
Sub Total:		-	-	3,872	-	7,947	-		21 (5)	63 (14)

Districts	Name of Upazilas	Year 1 Production (mt)		Production (mt) Qtr 8 July-Sept 2012		Year 2 Production (mt)		Briquette Machines Sold		
		USG	NPK	USG	NPK	USG	NPK	Year 1	Qtr 8 July-Sept. 2012	Through Sept. 2012
Chuadanga	Alamdanga			1,025	-	2,281	-		3 (1)	10 (2)
	Chuadanga Sadar			491	-	1,185	-		2	6
	Damurhuda			644	-	1,453	-		1	6 (1)
	Jibannagar			465	-	1,008	-			3
Sub Total:		-	-	2,625	-	5,927	-		6 (1)	25 (3)
Faridpur	Alfadanga			113	-	376	-		2	3
	Bhanga			119	-	497	-			4
	Boalmari			257	-	628	-		1	5(2)
	Faridpur Sadar			378	-	826	-			8(3)
	Madhukhali			218	-	472	-		1	3
	Nagarkanda			114	-	411	-			2
	Sadarpur			115	-	357	-		1	4 (1)
	Saltha			150	-	353	-		1	2
Sub Total:		-	-	1,464	-	3,920	-		6	31 (6)
Gopalganj	Gopalganj Sadar	468	-	81	-	1,600	-	8 (1)	2 (1)	13 (5)
	Kashiani	330	-	25	-	1,216	-	4		6
	Kotalipara	677	-	16	-	2,006	-	6 (1)	3 (1)	18 (4)
	Muksudpur	523	-	50	-	1,287	-	5	1	9 (1)
	Tungipara	612	-	67	-	846	-	7		8
Sub Total:		2,610	-	239	-	6,955	-	30 (2)	6 (2)	54 (10)
Jessore	Abhaynagar			474	-	1,563	-		3	9 (1)
	Bagherpara			902	-	2,003	-		2	12 (1)
	Chaugachha			739	-	1,630	-		1	6
	Jessore Sadar			1,610	-	3,625	-		4 (1)	19 (5)
	Jhikargachha			1,097	-	2,529	-		1 (1)	12 (4)
	Keshabpur			574	-	1,804	-			12 (3)
	Manirampur			1,325	-	3,358	-		1	12 (4)
	Sharsha			1,430	-	3,322	-		2 (1)	17 (5)
Sub Total:		-	-	8,151	-	19,834	-		14 (3)	99 (23)
Jhalakati	Jhalakati Sadar	775	27	308	-	1,319	-	1		1
	Kathalia	212	-	114	-	448	-	3 (1)		4 (1)
	Nalchity	664	4	266	-	1,042	-	1		2
	Rajapur	295	-	240	-	600	-	4		5
Sub Total:		1,946	31	928	-	3,408	-	9 (1)		12 (1)

Districts	Name of Upazilas	Year 1 Production (mt)		Production (mt) Qtr 8 July-Sept 2012		Year 2 Production (mt)		Briquette Machines Sold		
		USG	NPK	USG	NPK	USG	NPK	Year 1	Qtr 8 July- Sept. 2012	Through Sept. 2012
Jhenaidah	Harinakunda			662	-	1,284	-		1	5 (2)
	Jhenaidah Sadar			1,250	-	3,082	-		3	12 (2)
	Kaliganj			1,093	-	2,182	-			6 (1)
	Kotchandpur			475	-	1,014	-		2	5
	Maheshpur			972	-	2,737	-		2	9 (2)
	Shailkupa			948	-	2,148	-			5 (1)
Sub Total:		-	-	5,400	-	12,447	-		8	42 (8)
Khulna	Dighalia			81	-	496	-			4 (1)
	Dumuria			824	-	2,164	-		5 (1)	15 (4)
	Paikgachha			812	-	943	-		5	11 (1)
	Phultala			66	-	405	-		1	3
	Terokhada			38	-	305	-			4
Sub Total:		-	-	1,821	-	4,313	-		11 (1)	37 (6)
Madaripur	Kalkini	1,034	2	24	-	1,893	-	2	1	4
	Madaripur Sadar	1,049	4	37	-	1,825	-	1	1	2
	Rajoir	881	4	76	-	1,666	-	2		2
	Shibchar	552	-	76	-	1,102	-	1		3 (1)
Sub Total:		3,515	10	213	-	6,485	-	6	2	11 (1)
Magura	Magura Sadar			1,117	-	2,553	-		4	11 (1)
	Mohammadpur			544	-	907	-		2	4
	Shalikha			684	-	1,731	-		2	6
	Sreepur			569	-	932	-		3 (1)	8 (2)
Sub Total:		-	-	2,914	-	6,123	-		11 (1)	29 (3)
Meherpur	Gangni			588	-	1,317	-		2	7 (1)
	Meherpur Sadar			549	-	1,358	-			7 (1)
	Mujibnagar			195	-	556	-			4
Sub Total:		-	-	1,332	-	3,231	-	-	2	18 (2)
Narail	Kalia			378	-	1,370	-		1	7(1)
	Lohagara			286	-	778	-		1	8
	Narail Sadar			939	-	2,218	-		1	10 (3)
Sub Total:		-	-	1,603	-	4,366	-		3	25 (4)

Districts	Name of Upazilas	Year 1 Production (mt)		Production (mt) Qtr 8 July-Sept 2012		Year 2 Production (mt)		Briquette Machines Sold		
		USG	NPK	USG	NPK	USG	NPK	Year 1	Qtr 8 July-Sept. 2012	Through Sept. 2012
Patuakhali	Bauphal	1,401	113	1,343	-	2,535	-	-		4 (1)
	Dasmina	364	-	571	-	786	-	3 (1)	1	5 (2)
	Dumki	286	30	277	-	450	-	-		-
	Galachipa	2,152	106	2,692	-	3,811	-	6 (2)	2 (1)	11 (3)
	Kalapara	844	-	1,832	-	1,899	-	6	2 (2)	13 (2)
	Mirzaganj	389	22	120	-	619	-	2 (1)		2 (1)
	Patuakhali Sadar	640	45	702	10	1,112	11	1		2
Sub Total:		6,073	316	7,537	10	11,212	11	18 (4)	5 (3)	37 (9)
Pirojpur	Bhandaria	346	22	65	-	289	-	-		1 (1)
	Kawkhali	360	15	22	-	240	-	1 (1)		1 (1)
	Mathbaria	791	16	389	-	1,066	-	1		1
	Nazirpur	495	-	189	-	1,452	-	9 (1)		10 (2)
	Nesarabad	197	-	31	-	436	-	2 (1)		4 (1)
	Pirojpur Sadar	644	62	146	-	945	-	2 (1)		3 (2)
	Zianagor	248	-	116	-	419	-	-		-
Sub Total:		3,081	115	958	-	4,847	-	15 (4)		20 (7)
Rajbari	Baliakandi			262	-	467	-		1	3
	Kalukhali			282	-	503	-		1	4 (1)
	Pangsha			440	-	671	-		2	3
	Rajbari Sadar			367	-	874	-		1	7
Sub Total:		-	-	1,351	-	2,515	-		5	17 (1)
Satkhira	Debhata			308	-	762	-		1 (1)	5 (2)
	Kalaroa			763	-	1,706	-		1	8 (2)
	Kaliganj			892	-	1,326	-		4 (1)	11 (2)
	Satkhira Sadar			888	-	2,531	-		1 (1)	16 (4)
	Tala			468	-	1,616	-		2 (1)	9(2)
Sub Total:		-	-	3,319	-	7,941	-		9 (4)	49 (12)

Districts	Name of Upazilas	Year 1 Production (mt)		Production (mt) Qtr 8 July-Sept 2012		Year 2 Production (mt)		Briquette Machines Sold		
		USG	NPK	USG	NPK	USG	NPK	Year 1	Qtr 8 July-Sept. 2012	Through Sept. 2012
Shariatpur	Bhedarganj	494	22	8	-	750	-	2		2
	Damudya	491	-	64	-	751	-	2		2
	Gosairhat	555	2	6	-	828	-	-		-
	Naria	503	49	2	-	833	-	1		1
	Shariatpur Sadar	609	33	5	-	1,047	-	2		3
	Zanjira	240	19	5	-	571	-	-		-
Sub Total:		2,892	126	90	-	4,779	-	7		8
FTF Zone Total		32,556	1,026	50,136	10	137,320	11	121 (20)	110 (21)	629 (120)
B. Mymensingh Zone										
Mymensingh	Bhaluka	1,073		1,183		2,922	-	7	2	12 (1)
	Dhobaura	716		298		1,387	-	5	-	6
	Gaffargaon	1,305		780		2,849	-	11 (1)	1	14 (1)
	Gauripur	1,512		1,047		2,721	-	6	1	9
	Haluaghat	1,230		780		2,700	-	7	1	9
	Ishwarganj	1,491		1,188		3,054	-	9 (2)	1	11 (2)
	Muktagachha	1,378		1,240		2,986	-	5 (1)	1	11 (2)
	Mymensingh Sadar	1,345		945		2,875	-	9	-	12(1)
	Nandail	1,704		1,090		3,125	-	6	2	11
	Phulbari	1,697		1,016		3,287	-	7 (1)	1 (1)	8 (2)
	Phulpur	3,189		2,165		5,440	-	14 (1)	3	20 (2)
	Trishal	1,546		596		2,820	-	7	-	13 (1)
Sub Total:		18,185	-	12,328	-	36,164	-	93 (6)	13 (1)	136 (12)
Sherpur	Jhenaigati	620		612		1,938	-	5		7
	Nakla	990		644		2,035	-	9		10
	Nalitabari	1,366		911		3,065	-	10 (2)	1	14 (3)
	Sherpur Sadar	1,496		775		2,636	-	9 (2)	1	16 (2)
	Sreebardi	691		652		2,349	-	8 (1)		15 (6)
Sub Total:		5,163	-	3,594	-	12,023	-	41 (5)	2	62 (11)
Mymensingh Zone Total		23,348	-	15,922	-	48,187	-	134 (11)	15 (1)	198 (23)
GRAND TOTAL:		55,904	1,026	66,058	10	185,507	11	255 (31)	125 (22)	827 (143)

Numbers in parentheses () indicate women farmers.

Appendix 7. Training of Extension Staff (SAOs and NGOs) Programs by Upazila Year 1 and Year 2

Districts	Name of Upazilas	Total Year 1				Total Year 2				Total Project to Date			
		No. of Batches	No. of Participants			No. of Batches	Number of Participants			No. of Batches	Number of Participants		
			M	F	Tot.		M	F	Tot.		Male	Female	Total
A. FTF districts													
Bagerhat	Bagerhat Sadar	1	21	4	25	-	-	-	-	1	21	4	25
	Fakirhat	1	24	1	25	-	-	-	-	1	24	1	25
	Kachua	-	-	-	-	-	-	-	-	-	-	-	-
	Mollahat	-	-	-	-	-	-	-	-	-	-	-	-
	Morrelganj	1	29	1	30	-	-	-	-	1	29	1	30
	Rampal	1	29	1	30	-	-	-	-	1	29	1	30
Sub Total:		4	103	7	110	-	-	-	-	4	103	7	110
Barguna	Amtali	1	16	4	20	1	18	4	22	2	34	8	42
	Bamna	1	9	-	9	-	-	-	-	1	9	-	9
	Barguna Sadar	1	30	4	34	1	25	4	29	2	55	8	63
	Betagi	1	9	2	11	1	17	3	20	2	26	5	31
Sub Total:		4	64	10	74	3	60	11	71	7	124	21	145
Barisal	Agailjhara	1	28	4	32	-	-	-	-	1	28	4	32
	Babuganj	1	21	5	26	-	-	-	-	1	21	5	26
	Bakerganj	1	38	3	41	1	40	3	43	2	78	6	84
	Banaripara	1	21	5	26	-	-	-	-	1	21	5	26
	Barisal Sadar	2	65	11	76	2	54	6	60	4	119	17	136
	Gaurnadi	1	18	2	20	-	-	-	-	1	18	2	20
	Muladi	1	26	6	32	-	-	-	-	1	26	6	32
	Wazirpur	1	29	2	31	-	-	-	-	1	29	2	31
Sub Total:		9	246	38	284	3	94	9	103	12	340	47	387
Bhola	Bhola Sadar					1	29	5	34	1	29	5	34
	Burhanuddin					1	20	1	21	1	20	1	21
	Char Fasson					1	21	2	23	1	21	2	23
	Daulatkhan					1	25	2	27	1	25	2	27
	Lalmohan					1	22	-	22	1	22	-	22
	Tazumuddin					1	19	-	19	1	19	-	19
Sub Total:		-	-	-	-	6	136	10	146	6	136	10	146
Chuadanga	Alamdanga					1	32	3	35	1	32	3	35
	Chuadanga Sadar					1	23	2	25	1	23	2	25
	Damurhuda					1	33	2	35	1	33	2	35
	Jibannagar					-	-	-	-	-	-	-	-
Sub Total:		-	-	-	-	3	88	7	95	3	88	7	95

Districts	Name of Upazilas	Total Year 1				Total Year 2				Total Project to Date			
		No. of Batches	No. of Participants			No. of Batches	Number of Participants			No. of Batches	Number of Participants		
			M	F	Tot.		M	F	Tot.		Male	Female	Total
Faridpur	Alfadanga					1	30	2	32	1	30	2	32
	Bhanga					1	25	-	25	1	25	-	25
	Boalmari					-	-	-	-	-	-	-	-
	Faridpur Sadar					3	89	16	105	3	89	16	105
	Madhukhali					1	24	5	29	1	24	5	29
	Nagarkanda					1	36	1	37	1	36	1	37
	Sadarpur					1	24	-	24	1	24	-	24
	Saltha					-	-	-	-	-	-	-	-
Sub Total:		-	-	-	-	8	228	24	252	8	228	24	252
Gopalganj	Gopalganj Sadar	1	34	5	39	-	-	-	-	1	34	5	39
	Kashiani	1	27	1	28	-	-	-	-	1	27	1	28
	Kotalipara	1	34	3	37	-	-	-	-	1	34	3	37
	Muksudpur	1	37	5	42	-	-	-	-	1	37	5	42
	Tungipara	-	-	-	-	-	-	-	-	-	-	-	-
Sub Total:		4	132	14	146	-	-	-	-	4	132	14	146
Jessore	Abhaynagar					1	25	3	28	1	25	3	28
	Bagherpara					1	22	4	26	1	22	4	26
	Chaugachha					1	24	3	27	1	24	3	27
	Jessore Sadar					3	98	17	115	3	98	17	115
	Jhikargachha					1	36	2	38	1	36	2	38
	Keshabpur					1	26	1	27	1	26	1	27
	Manirampur					1	29	4	33	1	29	4	33
	Sharsha					1	24	3	27	1	24	3	27
	Sub Total:		-	-	-	-	10	284	37	321	10	284	37
Jhalakati	Jhalakati Sadar	1	27	6	33	-	-	-	-	1	27	6	33
	Kathalia	1	19	1	20	-	-	-	-	1	19	1	20
	Nalchity	1	28	1	29	-	-	-	-	1	28	1	29
	Rajapur	1	17	1	18	-	-	-	-	1	17	1	18
Sub Total:		4	91	9	100	-	-	-	-	4	91	9	100
Jhenaidah	Harinakunda					1	21	-	21	1	21	-	21
	Jhenaidah Sadar					1	34	5	39	1	34	5	39
	Kaliganj					1	27	1	28	1	27	1	28
	Kotchandpur					-	-	-	-	-	-	-	-
	Maheshpur					1	41	3	44	1	41	3	44
	Shailkupa					1	38	1	39	1	38	1	39
Sub Total:		-	-	-	-	5	161	10	171	5	161	10	171
Khulna	Dighalia					-	-	-	-	-	-	-	-

Districts	Name of Upazilas	Total Year 1			Total Year 2			Total Project to Date				
		No. of Batches	No. of Participants		No. of Batches	Number of Participants		No. of Batches	Number of Participants			
			M	F		Tot.	M		F	Tot.	Male	Female
	Dumuria				1	21	9	30	1	21	9	30
	Paikgachha				1	25	8	33	1	25	8	33
	Phultala				1	20	3	23	1	20	3	23
	Terokhada				-	-	-	-	-	-	-	-
Sub Total:		-	-	-	3	66	20	86	3	66	20	86
Madaripur	Kalkini	1	34	1	-	-	-	-	1	34	1	35
	Madaripur Sadar	-	-	-	2	84	2	86	2	84	2	86
	Rajoir	1	20	2	-	-	-	-	1	20	2	22
	Shibchar	1	29	1	-	-	-	-	1	29	1	30
Sub Total:		3	83	4	2	84	2	86	5	167	6	173
Magura	Magura Sadar				1	29	1	30	1	29	1	30
	Mohammadpur				1	22	3	25	1	22	3	25
	Shalikha				1	22	1	23	1	22	1	23
	Sreepur				1	22	2	24	1	22	2	24
Sub Total:		-	-	-	4	95	7	102	4	95	7	102
Meherpur	Gangni				1	24	2	26	1	24	2	26
	Meherpur Sadar				1	25	4	29	1	25	4	29
	Mujibnagar				-	-	-	-	-	-	-	-
Sub Total:		-	-	-	2	49	6	55	2	49	6	55
Narail	Kalia				1	27	1	28	1	27	1	28
	Lohagara				1	24	2	26	1	24	2	26
	Narail Sadar				1	30	5	35	1	30	5	35
Sub Total:		-	-	-	3	81	8	89	3	81	8	89
Patuakhali	Bauphal	1	29	2	1	30	2	32	2	59	4	63
	Dasmina	1	18	1	-	-	-	-	1	18	1	19
	Dumki	1	13	-	-	-	-	-	1	13	-	13
	Galachipa	1	22	2	1	28	2	30	2	50	4	54
	Kalapara	1	20	-	-	-	-	-	1	20	-	20
	Mirzaganj	1	15	1	-	-	-	-	1	15	1	16
	Patuakhali Sadar	1	34	3	1	40	8	48	2	74	11	85
Sub Total:		7	151	9	3	98	12	110	10	249	21	270
Pirojpur	Bhandaria	1	16	1	-	-	-	-	1	16	1	17
	Kawkhali	1	13	1	-	-	-	-	1	13	1	14
	Mathbaria	1	27	5	1	22	6	28	2	49	11	60
	Nazirpur	1	27	2	-	-	-	-	1	27	2	29
	Nesarabad	1	26	9	-	-	-	-	1	26	9	35

Districts	Name of Upazilas	Total Year 1				Total Year 2				Total Project to Date			
		No. of Batches	No. of Participants			No. of Batches	Number of Participants			No. of Batches	Number of Participants		
			M	F	Tot.		M	F	Tot.		Male	Female	Total
	Pirojpur Sadar	1	24	6	30	-	-	-	-	1	24	6	30
	Zianagor	1	15	-	15	-	-	-	-	1	15	-	15
Sub Total:		7	148	24	172	1	22	6	28	8	170	30	200
Rajbari	Baliakandi					1	32	1	33	1	32	1	33
	Kalukhali					-	-	-	-	-	-	-	-
	Pangsha					1	19	3	22	1	19	3	22
	Rajbari Sadar					1	50	5	55	1	50	5	55
Sub Total:		-	-	-	-	3	101	9	110	3	101	9	110
Satkhira	Debhata					-	-	-	-	-	-	-	-
	Kalaroa					1	37	5	42	1	37	5	42
	Kaliganj					1	27	1	28	1	27	1	28
	Satkhira Sadar					1	25	6	31	1	25	6	31
	Tala					-	-	-	-	-	-	-	-
Sub Total:		-	-	-	-	3	89	12	101	3	89	12	101
Shariatpur	Bhedarganj	1	20	-	20	-	-	-	-	1	20	-	20
	Damudya	1	25	-	25	-	-	-	-	1	25	-	25
	Gosairhat	-	-	-	-	-	-	-	-	-	-	-	-
	Naria	-	-	-	-	-	-	-	-	-	-	-	-
	Shariatpur Sadar	1	25	3	28	-	-	-	-	1	25	3	28
	Zanjira	-	-	-	-	-	-	-	-	-	-	-	-
Sub Total:		3	70	3	73	-	-	-	-	3	70	3	73
FTF Zone Total		45	1,088	118	1,206	62	1,736	190	1,926	107	2,824	308	3,132

Districts	Name of Upazilas	Total Year 1			Total Year 2			Total Project to Date					
		No. of Batches	No. of Participants		No. of Batches	Number of Participants		No. of Batches	Number of Participants				
			M	F		Tot.	M		F	Tot.	Male	Female	Total
B. Mymensingh and Sherpur Districts													
Mymensingh	Bhaluka	1	34	3	37	-	-	-	-	1	34	3	37
	Dhobaura	-	-	-	-	-	-	-	-	-	-	-	-
	Gaffargaon	1	48	8	56	-	-	-	-	1	48	8	56
	Gauripur	1	50	4	54	-	-	-	-	1	50	4	54
	Haluaghat	1	68	1	69	-	-	-	-	1	68	1	69
	Ishwarganj	1	53	4	57	-	-	-	-	1	53	4	57
	Muktagachha	1	48	2	50	-	-	-	-	1	48	2	50
	Mymensingh Sadar	2	95	17	112	3	78	7	85	5	173	24	197
	Nandail	1	44	3	47	-	-	-	-	1	44	3	47
	Phulbari	1	48	2	50	-	-	-	-	1	48	2	50
	Phulpur	1	68	8	76	-	-	-	-	1	68	8	76
	Trishal	1	45	3	48	-	-	-	-	1	45	3	48
Sub Total:		12	601	55	656	3	78	7	85	15	679	62	741
Sherpur	Jhenaigati	1	40	3	43	-	-	-	-	1	40	3	43
	Nakla	2	111	1	112	-	-	-	-	2	111	1	112
	Nalitabari	1	58	1	59	-	-	-	-	1	58	1	59
	Sherpur Sadar	1	37	16	53	1	26	3	29	2	63	19	82
	Sreebardi	-	-	-	-	-	-	-	-	-	-	-	-
Sub Total:		5	246	21	267	1	26	3	29	6	272	24	296
Mymensingh Zone Total		17	847	76	923	4	104	10	114	21	951	86	1,037
GRAND TOTAL:		62	1,935	194	2,129	66	1,840	200	2,040	128	3,775	394	4,169

Appendix 8. Motivational Meeting With DAE Field Staff

Districts	Upazilas	July- September 2012				Total Year 2			
		Events	No. of Participants			Events	No. of Participants		
			Male	Female	Total		Male	Female	Total
A. FTF Districts									
Bagerhat	Bagerhat Sadar				-	1	12	5	17
	Kachua				-	1	9	-	9
Sub Total:		-	-	-	-	2	21	5	26
Barisal	Agailjhara				-	1	10	3	13
	Babuganj	1	20	6	26	1	20	6	26
	Gaurnadi				-	1	18	3	21
	Wazirpur				-	1	27	4	31
Sub Total:		1	20	6	26	4	75	16	91
Bhola	Bhola Sadar				-	1	25	5	30
	Burhanuddin				-	1	23	-	23
	Char Fasson	1	27	3	30	1	27	3	30
	Lalmohan				-	1	19	-	19
Sub Total:		1	27	3	30	4	94	8	102
Chuadanga	Alamdanga	1	36	3	39	1	36	3	39
	Chuadanga Sadar	1	18	4	22	2	38	6	44
Sub Total:		2	54	7	61	3	74	9	83
Gopalganj	Gopalganj Sadar				-	1	27	10	37
	Kashiani				-	1	18	1	19
	Kotalipara				-	1	22	2	24
	Muksudpur				-	1	22	5	27
	Tungipara				-	1	9	-	9
Sub Total:		-	-	-	-	5	98	18	116
Jessore	Chaugachha	1	27	4	31	1	27	4	31
	Jhikargachha				-	1	35	2	37
	Manirampur	1	27	3	30	2	57	7	64
	Sharsha	1	26	2	28	2	48	4	52
Sub Total:		3	80	9	89	6	167	17	184
Jhalakati	Jhalakati Sadar				-	1	23	5	28
	Kathalia				-	1	25	-	25
	Nalchity				-	1	30	2	32
	Rajapur				-	1	22	-	22
Sub Total:		-	-	-	-	4	100	7	107
Jhenaidah	Jhenaidah Sadar	1	34	6	40	1	34	6	40
	Kaliganj	1	26	1	27	1	26	1	27
	Maheshpur	1	21	5	26	2	43	9	52
	Shaikupa				-	1	40	2	42
Sub Total:		3	81	12	93	5	143	18	161
Madaripur	Kalkini				-	1	36	2	38
	Madaripur Sadar				-	1	32	7	39
	Rajoir				-	1	22	1	23
	Shibchar				-	1	29	-	29
Sub Total:		-	-	-	-	4	119	10	129
Magura	Magura Sadar	1	28	1	29	1	28	1	29
	Shalikhha				-	1	27	1	28
	Sreepur	1	24	2	26	1	24	2	26
Sub Total:		2	52	3	55	3	79	4	83
Patuakhali	Bauphal	1	32	2	34	1	32	2	34
	Dasmina				-	1	15	-	15
	Galachipa	1	27	2	29	1	27	2	29
	Kalapara	1	12	-	12	1	12	-	12
	Mirzaganj				-	1	11	1	12
Sub Total:		3	71	4	75	5	97	5	102
Pirojpur	Bhandaria				-	2	37	3	40
Sub Total:		-	-	-	-	2	37	3	40

Districts	Upazilas	July- September 2012				Total Year 2			
		Events	No. of Participants			Events	No. of Participants		
			Male	Female	Total		Male	Female	Total
Satkhira	Kalaroa	1	18	3	21	1	18	3	21
	Kaliganj	1	20	1	21	1	20	1	21
Sub Total:		2	38	4	42	2	38	4	42
Shariatpur	Shariatpur Sadar				-	1	26	2	28
Sub Total:		-	-	-	-	1	26	2	28
FTF Zone Total		17	423	48	471	50	1,168	126	1,294
B. Mymensingh Zone									
Mymensingh	Bhaluka	1	31	2	33	2	58	6	64
	Dhobaura	1	17	2	19	2	33	3	36
	Gaffargaon				-	2	87	13	100
	Gauripur	1	39	3	42	2	79	5	84
	Haluaghat				-	2	55	-	55
	Ishwarganj	1	46	3	49	2	92	7	99
	Muktagachha				-	1	40	3	43
	Mymensingh Sadar				-	1	65	15	80
	Nandail				-	2	77	2	79
	Phulbari				-	1	39	2	41
	Phulpur	1	52	8	60	2	105	15	120
	Trishal				-	1	35	-	35
Sub Total:		5	185	18	203	20	765	71	836
Sherpur	Jhenaigati	1	12	2	14	2	22	4	26
	Nakla				-	1	25	-	25
	Nalitabari				-	2	64	-	64
	Sherpur Sadar	1	39	16	55	3	89	29	118
	Sreebardi				-	1	25	1	26
Sub Total:		2	51	18	69	9	225	34	259
Mymensingh Zone Total		7	236	36	272	29	990	105	1,095
GRAND TOTAL:		24	659	84	743	79	2,158	231	2,389

Appendix 9. Farmers' Training by Upazila

Districts	Upazilas	Total Year 1				July-Sept. 2012				Total Year 2				Total Project to date			
		No. of Batch	No. of Participants			No. of Batch	No. of Participants			No. of Batch	No. of Participants			No. of Batch	No. of Participants		
			M	F	Tot		M	F	Tot		M	F	Tot		M	F	Tot
A. FtF districts																	
Bagerhat	Sadar	54	1,687	471	2,158	3	82	38	120	15	437	163	600	69	2,124	634	2,758
	Fakirhat	55	1,749	451	2,200	9	274	86	360	22	666	214	880	77	2,415	665	3,080
	Kachua	39	1,107	453	1,560	9	256	104	360	30	843	357	1,200	69	1,950	810	2,760
	Mollahat	41	1,405	235	1,640	5	134	66	200	26	754	286	1,040	67	2,159	521	2,680
	Morrelganj	43	1,329	391	1,720	3	94	26	120	24	680	280	960	67	2,009	671	2,680
	Rampal	22	655	225	880	2	59	21	80	7	191	89	280	29	846	314	1,160
Sub Total:		254	7,932	2,226	10,158	31	899	341	1,240	124	3,571	1,389	4,960	378	11,503	3,615	15,118
Barguna	Amtali	90	2,779	821	3,600	35	905	495	1,400	75	1,920	1,080	3,000	165	4,699	1,901	6,600
	Bamna	29	866	294	1,160	3	106	14	120	14	383	176	559	43	1,249	470	1,719
	Sadar	74	2,248	712	2,960	13	357	163	520	68	1,748	972	2,720	142	3,996	1,684	5,680
	Betagi	41	1,222	415	1,637	4	151	9	160	24	650	310	960	65	1,872	725	2,597
Sub Total:		234	7,115	2,242	9,357	55	1,519	681	2,200	181	4,701	2,538	7,239	415	11,816	4,780	16,596
Barisal	Agailjhara	37	1,171	309	1,480	1	32	8	40	23	726	194	920	60	1,897	503	2,400
	Babuganj	57	1,819	461	2,280	17	492	188	680	31	914	326	1,240	88	2,733	787	3,520
	Bakerganj	93	3,125	592	3,717	23	771	147	918	49	1,545	409	1,954	142	4,670	1,001	5,671
	Banaripara	29	1,027	133	1,160				-	14	471	89	560	43	1,498	222	1,720
	Sadar	75	2,510	486	2,996	23	691	227	918	49	1,516	439	1,955	124	4,026	925	4,951
	Gaurnadi	48	1,751	169	1,920	7	259	21	280	23	814	106	920	71	2,565	275	2,840
	Muladi	45	1,355	445	1,800	13	377	142	519	27	787	292	1,079	72	2,142	737	2,879
	Wazirpur	78	2,581	539	3,120	7	239	41	280	35	1,181	219	1,400	113	3,762	758	4,520
Sub Total:		462	15,339	3,134	18,473	91	2,861	774	3,635	251	7,954	2,074	10,028	713	23,293	5,208	28,501
Bhola	Sadar				-	55	1,557	643	2,200	100	2,901	1,099	4,000	100	2,901	1,099	4,000
	Burhanuddin				-	37	1,025	455	1,480	82	2,282	998	3,280	82	2,282	998	3,280
	Char Fasson				-	88	2,633	887	3,520	154	4,485	1,675	6,160	154	4,485	1,675	6,160
	Daulatkhan				-	12	357	123	480	29	875	285	1,160	29	875	285	1,160
	Lalmohan				-	30	860	340	1,200	67	1,971	709	2,680	67	1,971	709	2,680
	Tazumuddin				-	12	344	136	480	23	643	277	920	23	643	277	920
Sub Total:		-	-	-	-	234	6,776	2,584	9,360	455	13,157	5,043	18,200	455	13,157	5,043	18,200

Districts	Upazilas	Total Year 1			July-Sept. 2012			Total Year 2			Total Project to date						
		No. of Batch	No. of Participants		No. of Batch	No. of Participants		No. of Batch	No. of Participants		No. of Batch	No. of Participants					
			M	F		Tot	M		F	Tot		M	F	Tot			
Chuadanga	Alamdanga			-	60	1,691	709	2,400	121	3,474	1,366	4,840	121	3,474	1,366	4,840	
	Sadar			-	29	822	338	1,160	74	2,199	761	2,960	74	2,199	761	2,960	
	Damurhuda			-	33	940	380	1,320	77	2,186	894	3,080	77	2,186	894	3,080	
	Jibannagar			-	25	779	221	1,000	58	1,819	501	2,320	58	1,819	501	2,320	
Sub Total:		-	-	-	147	4,232	1,648	5,880	330	9,678	3,522	13,200	330	9,678	3,522	13,200	
Faridpur	Alfadanga			-	6	199	41	240	16	506	134	640	16	506	134	640	
	Bhanga			-	7	209	71	280	26	775	265	1,040	26	775	265	1,040	
	Boalmari			-	15	447	153	600	33	949	371	1,320	33	949	371	1,320	
	Sadar			-	21	601	239	840	44	1,259	501	1,760	44	1,259	501	1,760	
	Madhukhali			-	13	412	108	520	25	794	206	1,000	25	794	206	1,000	
	Nagarkanda			-	7	200	80	280	21	583	257	840	21	583	257	840	
	Sadarpur			-	6	161	79	240	17	473	207	680	17	473	207	680	
	Saltha			-	8	80	240	320	17	361	319	680	17	361	319	680	
Sub Total:		-	-	-	83	2,309	1,011	3,320	199	5,700	2,260	7,960	199	5,700	2,260	7,960	
Gopalganj	Sadar	61	1,733	699	2,432	3	87	29	116	58	1,491	825	2,316	119	3,224	1,524	4,748
	Kashiani	34	1,058	302	1,360	1	30	10	40	46	1,369	471	1,840	80	2,427	773	3,200
	Kotalipara	55	1,464	736	2,200	1	31	9	40	71	1,724	1,116	2,840	126	3,188	1,852	5,040
	Muksudpur	52	1,431	649	2,080	1	26	14	40	33	840	480	1,320	85	2,271	1,129	3,400
	Tungipara	57	1,568	712	2,280	3	97	23	120	13	390	130	520	70	1,958	842	2,800
Sub Total:		259	7,254	3,098	10,352	9	271	85	356	221	5,814	3,022	8,836	480	13,068	6,120	19,188
Jessore	Abhaynagar			-	27	755	325	1,080	80	2,265	935	3,200	80	2,265	935	3,200	
	Bagherpara			-	52	1,546	534	2,080	100	3,010	990	4,000	100	3,010	990	4,000	
	Chaugachha			-	42	1,246	434	1,680	90	2,681	919	3,600	90	2,681	919	3,600	
	Sadar			-	85	2,397	1,003	3,400	188	5,428	2,092	7,520	188	5,428	2,092	7,520	
	Jhikargachha			-	59	1,598	762	2,360	128	3,473	1,647	5,120	128	3,473	1,647	5,120	
	Keshabpur			-	28	772	348	1,120	89	2,519	1,041	3,560	89	2,519	1,041	3,560	
	Manirampur			-	69	1,913	847	2,760	195	5,251	2,549	7,800	195	5,251	2,549	7,800	
	Sharsha			-	56	1,417	823	2,240	166	4,295	2,345	6,640	166	4,295	2,345	6,640	
Sub Total:		-	-	-	418	11,644	5,076	16,720	1,036	28,922	12,518	41,440	1,036	28,922	12,518	41,440	
Jhalakati	Sadar	55	1,720	480	2,200	9	274	86	360	31	927	313	1,240	86	2,647	793	3,440
	Kathalia	34	931	429	1,360	3	84	36	120	16	407	233	640	50	1,338	662	2,000
	Nalchity	51	1,693	347	2,040	4	124	36	160	17	514	166	680	68	2,207	513	2,720
	Rajapur	43	1,220	500	1,720	6	176	64	240	18	499	221	720	61	1,719	721	2,440
Sub Total:		183	5,564	1,756	7,320	22	658	222	880	82	2,347	933	3,280	265	7,911	2,689	10,600

Districts	Upazilas	Total Year 1			July-Sept. 2012			Total Year 2			Total Project to date						
		No. of Batch	No. of Participants		No. of Batch	No. of Participants		No. of Batch	No. of Participants		No. of Batch	No. of Participants					
			M	F		Tot	M		F	Tot		M	F	Tot			
Jhenaidah	Harinakunda				-	38	1,131	389	1,520	61	1,813	627	2,440	61	1,813	627	2,440
	Sadar				-	75	2,098	902	3,000	148	4,184	1,736	5,920	148	4,184	1,736	5,920
	Kaliganj				-	56	1,583	657	2,240	116	3,326	1,314	4,640	116	3,326	1,314	4,640
	Kotchandpur				-	25	714	286	1,000	55	1,519	681	2,200	55	1,519	681	2,200
	Maheshpur				-	58	1,668	652	2,320	163	4,787	1,732	6,519	163	4,787	1,732	6,519
	Shailkupa				-	59	1,941	419	2,360	117	3,837	843	4,680	117	3,837	843	4,680
Sub Total:		-	-	-	-	311	9,135	3,305	12,440	660	19,466	6,933	26,399	660	19,466	6,933	26,399
Khulna	Dighalia				-	5	136	64	200	25	635	365	1,000	25	635	365	1,000
	Dumuria				-	44	1,049	711	1,760	103	2,557	1,563	4,120	103	2,557	1,563	4,120
	Paikgachha				-	46	1,256	584	1,840	51	1,396	644	2,040	51	1,396	644	2,040
	Phultala				-	4	127	33	160	19	556	204	760	19	556	204	760
	Terokhada				-	2	59	21	80	14	363	197	560	14	363	197	560
Sub Total:		-	-	-	-	101	2,627	1,413	4,040	212	5,507	2,973	8,480	212	5,507	2,973	8,480
Madaripur	Kalkini	64	1,811	749	2,560	1	30	10	40	38	1,150	370	1,520	102	2,961	1,119	4,080
	Sadar	62	1,988	492	2,480	1	17	23	40	37	1,051	429	1,480	99	3,039	921	3,960
	Rajoir	57	1,644	636	2,280	4	102	58	160	30	799	401	1,200	87	2,443	1,037	3,480
	Shibchar	42	1,265	415	1,680	3	89	31	120	26	740	300	1,040	68	2,005	715	2,720
Sub Total:		225	6,708	2,292	9,000	9	238	122	360	131	3,740	1,500	5,240	356	10,448	3,792	14,240
Magura	Sadar				-	75	2,107	892	2,999	149	4,332	1,627	5,959	149	4,332	1,627	5,959
	Mohammadpur				-	33	868	452	1,320	50	1,387	613	2,000	50	1,387	613	2,000
	Shalikha				-	36	1,061	379	1,440	100	2,967	1,033	4,000	100	2,967	1,033	4,000
	Sreepur				-	35	1,001	399	1,400	54	1,553	607	2,160	54	1,553	607	2,160
Sub Total:		-	-	-	-	179	5,037	2,122	7,159	353	10,239	3,880	14,119	353	10,239	3,880	14,119
Meherpur	Gangni				-	42	1,240	440	1,680	82	2,439	841	3,280	82	2,439	841	3,280
	Sadar				-	26	691	349	1,040	73	2,011	909	2,920	73	2,011	909	2,920
	Mujibnagar				-	9	255	105	360	27	791	289	1,080	27	791	289	1,080
Sub Total:		-	-	-	-	77	2,186	894	3,080	182	5,241	2,039	7,280	182	5,241	2,039	7,280
Narail	Kalia				-	22	675	205	880	71	2,074	766	2,840	71	2,074	766	2,840
	Lohagara				-	20	547	253	800	44	1,226	534	1,760	44	1,226	534	1,760
	Narail Sadar				-	51	1,371	669	2,040	114	3,165	1,395	4,560	114	3,165	1,395	4,560
Sub Total:		-	-	-	-	93	2,593	1,127	3,720	229	6,465	2,695	9,160	229	6,465	2,695	9,160

Districts	Upazilas	Total Year 1			July-Sept. 2012			Total Year 2			Total Project to date						
		No. of Batch	No. of Participants			No. of Batch	No. of Participants			No. of Batch	No. of Participants			No. of Batch	No. of Participants		
			M	F	Tot		M	F	Tot		M	F	Tot		M	F	Tot
Patuakhali	Bauphal	98	2,904	1,016	3,920	30	879	321	1,200	69	2,024	736	2,760	167	4,928	1,752	6,680
	Dasmina	47	1,385	495	1,880	19	577	183	760	26	798	242	1,040	73	2,183	737	2,920
	Dumki	24	723	237	960	4	122	38	160	12	367	113	480	36	1,090	350	1,440
	Galachipa	149	4,493	1,467	5,960	75	2,098	902	3,000	118	3,262	1,458	4,720	267	7,755	2,925	10,680
	Kalapara	102	2,857	1,222	4,079	67	1,924	756	2,680	77	2,218	862	3,080	179	5,075	2,084	7,159
	Mirzaganj	35	1,007	393	1,400	2	60	20	80	13	363	157	520	48	1,370	550	1,920
	Sadar	46	1,359	481	1,840	17	495	185	680	34	952	408	1,360	80	2,311	889	3,200
Sub Total:		501	14,728	5,311	20,039	214	6,155	2,405	8,560	349	9,984	3,976	13,960	850	24,712	9,287	33,999
Pirojpur	Bhandaria	27	779	301	1,080	3	79	41	120	22	555	325	880	49	1,334	626	1,960
	Kawkhali	23	755	165	920	1	30	10	40	10	315	85	400	33	1,070	250	1,320
	Mathbaria	60	1,836	564	2,400	8	181	139	320	25	592	408	1,000	85	2,428	972	3,400
	Nazirpur	58	1,622	698	2,320	7	195	85	280	24	647	313	960	82	2,269	1,011	3,280
	Nesarabad	28	835	285	1,120	1	35	5	40	16	509	131	640	44	1,344	416	1,760
	Sadar	41	1,221	419	1,640	2	54	26	80	21	595	245	840	62	1,816	664	2,480
	Zianagor	12	364	116	480				-	11	322	118	440	23	686	234	920
Sub Total:		249	7,412	2,548	9,960	22	574	306	880	129	3,535	1,625	5,160	378	10,947	4,173	15,120
Rajbari	Baliakandi				-	18	490	230	720	27	733	347	1,080	27	733	347	1,080
	Kalukhali				-	17	476	204	680	26	732	308	1,040	26	732	308	1,040
	Pangsha				-	21	605	235	840	32	942	338	1,280	32	942	338	1,280
	Sadar				-	21	578	262	840	43	1,206	514	1,720	43	1,206	514	1,720
Sub Total:		-	-	-	-	77	2,149	931	3,080	128	3,613	1,507	5,120	128	3,613	1,507	5,120
Satkhira	Debhata				-	21	574	266	840	42	1,153	527	1,680	42	1,153	527	1,680
	Kalaroa				-	41	1,214	426	1,640	88	2,499	1,021	3,520	88	2,499	1,021	3,520
	Kaliganj				-	58	1,805	515	2,320	80	2,515	685	3,200	80	2,515	685	3,200
	Sadar				-	59	1,468	892	2,360	143	3,634	2,086	5,720	143	3,634	2,086	5,720
	Tala				-	30	867	333	1,200	85	2,439	915	3,354	85	2,439	915	3,354
Sub Total:		-	-	-	-	209	5,928	2,432	8,360	438	12,240	5,234	17,474	438	12,240	5,234	17,474

Districts	Upazilas	Total Year 1				July-Sept. 2012				Total Year 2				Total Project to date			
		No. of Batch	No. of Participants			No. of Batch	No. of Participants			No. of Batch	No. of Participants			No. of Batch	No. of Participants		
			M	F	Tot		M	F	Tot		M	F	Tot		M	F	Tot
Shariatpur	Bhedarganj	32	956	324	1,280	-	-	-	-	9	248	112	360	41	1,204	436	1,640
	Damudya	28	751	369	1,120	1	26	14	40	9	237	123	360	37	988	492	1,480
	Gosairhat	30	855	345	1,200	-	-	-	-	8	220	100	320	38	1,075	445	1,520
	Naria	31	943	297	1,240	-	-	-	-	15	414	186	600	46	1,357	483	1,840
	Sadar	42	1,379	301	1,680	-	-	-	-	15	471	129	600	57	1,850	430	2,280
	Zanjira	27	921	159	1,080	-	-	-	-	18	575	145	720	45	1,496	304	1,800
Sub Total:		190	5,805	1,795	7,600	1	26	14	40	74	2,165	795	2,960	264	7,970	2,590	10,560
FTF Zone Total		2,557	77,857	24,402	102,259	2,383	67,817	27,493	95,310	5,764	164,039	66,456	230,495	8,321	241,896	90,858	332,754
B. Mymensingh Zone																	
Mymensingh	Bhaluka	95	3,278	522	3,800	49	1,489	471	1,960	120	3,723	1,077	4,800	215	7,001	1,599	8,600
	Dhobaura	50	1,453	547	2,000	7	180	100	280	48	1,273	647	1,920	98	2,726	1,194	3,920
	Gaffargaon	106	3,504	727	4,231	31	877	363	1,240	125	3,699	1,301	5,000	231	7,203	2,028	9,231
	Gauripur	85	2,651	747	3,398	52	1,545	535	2,080	114	3,555	1,005	4,560	199	6,206	1,752	7,958
	Haluaghat	101	2,781	1,259	4,040	31	800	440	1,240	105	2,646	1,554	4,200	206	5,427	2,813	8,240
	Ishwarganj	110	3,544	856	4,400	35	1,030	370	1,400	93	2,749	971	3,720	203	6,293	1,827	8,120
	Muktagachha	97	2,955	925	3,880	35	1,042	351	1,393	94	2,827	926	3,753	191	5,782	1,851	7,633
	Sadar	86	2,739	701	3,440	37	1,087	393	1,480	99	2,928	1,032	3,960	185	5,667	1,733	7,400
	Nandail	107	3,503	777	4,280	38	1,180	340	1,520	116	3,607	1,033	4,640	223	7,110	1,810	8,920
	Phulbari	97	2,956	919	3,875	27	799	281	1,080	101	2,892	1,148	4,040	198	5,848	2,067	7,915
	Phulpur	173	5,478	1,437	6,915	57	1,675	605	2,280	128	3,741	1,379	5,120	301	9,219	2,816	12,035
	Trishal	105	3,324	871	4,195	22	634	246	880	117	3,431	1,249	4,680	222	6,755	2,120	8,875
Sub Total:		1,212	38,166	10,288	48,454	421	12,338	4,495	16,833	1,260	37,071	13,322	50,393	2,472	75,237	23,610	98,847
Sherpur	Jhenaigati	52	1,548	532	2,080	25	768	232	1,000	71	2,175	665	2,840	123	3,723	1,197	4,920
	Nakla	81	2,473	765	3,238	15	410	190	600	55	1,499	701	2,200	136	3,972	1,466	5,438
	Nalitabari	85	2,553	847	3,400	25	655	345	1,000	89	2,517	1,043	3,560	174	5,070	1,890	6,960
	Sadar	92	2,831	849	3,680	26	735	305	1,040	93	2,885	835	3,720	185	5,716	1,684	7,400
	Sreebardi	65	2,050	550	2,600	20	637	163	800	75	2,384	616	3,000	140	4,434	1,166	5,600
Sub Total:		375	11,455	3,543	14,998	111	3,205	1,235	4,440	383	11,460	3,860	15,320	758	22,915	7,403	30,318
M&S Total		1,587	49,621	13,831	63,452	532	15,543	5,730	21,273	1,643	48,531	17,182	65,713	3,230	98,152	31,013	129,165
Grand Total:		4,144	127,478	38,233	165,711	2,915	83,360	33,223	116,583	7,407	212,570	83,638	296,208	11,551	340,048	121,871	461,919

Appendix 10. Motivational Meetings with Aman 2011 Farmers through September 2012

Districts	Upazila	1 Year				Quarter 8 July- September 2012				Year 2				Total Project to Date			
		No. of Meetings	No. of Participants			No. of Meetings	No. of Participants			No. of Meetings	No. of Participants			No. of Meetings	No. of Participants		
			Male	Female	Total		Male	Female	Total		Male	Female	Total		Male	Female	Total
A. FtF Districts																	
Bagerhat	Bagerhat Sadar	19	600	165	765	9	315	107	422	17	563	183	746	36	1,163	348	1,511
	Fakirhat	19	590	170	760	6	188	78	266	16	467	198	665	35	1,057	368	1,425
	Kachua	-	-	-	-	3	104	38	142	9	284	121	405	9	284	121	405
	Mollahat	12	389	91	480	3	69	51	120	9	220	140	360	21	609	231	840
	Morrelganj	11	282	158	440	8	257	126	383	18	529	249	778	29	811	407	1,218
	Rampal	-	-	-	-	1	42	8	50	4	131	49	180	4	131	49	180
Sub Total:		61	1,861	584	2,445	30	975	408	1,383	73	2,194	940	3,134	134	4,055	1,524	5,579
Barguna	Amtali	24	878	146	1,024	15	341	247	588	28	745	428	1,173	52	1,623	574	2,197
	Bamna	7	210	70	280	2	66	38	104	12	351	222	573	19	561	292	853
	Barguna Sadar	13	435	90	525	8	225	95	320	21	573	267	840	34	1,008	357	1,365
	Betagi	9	288	72	360	3	117	33	150	15	538	145	683	24	826	217	1,043
Sub Total:		53	1,811	378	2,189	28	749	413	1,162	76	2,207	1,062	3,269	129	4,018	1,440	5,458
Barisal	Agailjhara	-	-	-	-	-	-	-	-	7	278	13	291	7	278	13	291
	Babuganj	21	613	232	845	10	247	148	395	14	394	161	555	35	1,007	393	1,400
	Bakerganj	23	875	52	927	13	572	17	589	47	1,924	140	2,064	70	2,799	192	2,991
	Banaripara	3	101	11	112	1	35	5	40	4	134	26	160	7	235	37	272
	Barisal Sadar	-	-	-	-	6	252	48	300	13	516	83	599	13	516	83	599
	Gaurnadi	10	355	16	371	3	110	20	130	13	492	48	540	23	847	64	911
	Muladi	-	-	-	-	3	92	28	120	7	223	54	277	7	223	54	277
	Wazirpur	9	289	71	360	4	137	23	160	13	436	84	520	22	725	155	880
Sub Total:		66	2,233	382	2,615	40	1,445	289	1,734	118	4,397	609	5,006	184	6,630	991	7,621
Gopalganj	Gopalganj Sadar	3	29	100	129	1	28	12	40	9	206	177	383	12	235	277	512
	Kashiani	-	-	-	-	1	32	18	50	6	182	64	246	6	182	64	246
	Kotalipara	1	32	8	40	-	-	-	-	8	260	140	400	9	292	148	440
	Muksudpur	-	-	-	-	1	28	12	40	8	236	114	350	8	236	114	350
	Tungipara	-	-	-	-	1	40	10	50	8	290	100	390	8	290	100	390
Sub Total:		4	61	108	169	4	128	52	180	39	1,174	595	1,769	43	1,235	703	1,938
Jhalakati	Jhalakati Sadar	15	554	46	600	4	155	45	200	18	684	151	835	33	1,238	197	1,435
	Kathalia	-	-	-	-	2	62	38	100	8	245	135	380	8	245	135	380
	Nalchity	16	602	43	645	5	178	72	250	19	706	204	910	35	1,308	247	1,555
	Rajapur	1	30	10	40	3	101	49	150	9	312	128	440	10	342	138	480
Sub Total:		32	1,186	99	1,285	14	496	204	700	54	1,947	618	2,565	86	3,133	717	3,850

Districts	Upazila	1 Year				Quarter 8				Year 2				Total Project to Date			
		No. of Meetings	No. of Participants			No. of Meetings	No. of Participants			No. of Meetings	No. of Participants			No. of Meetings	No. of Participants		
			Male	Female	Total		Male	Female	Total		Male	Female	Total		Male	Female	Total
Madaripur	Kalkini	8	296	24	320				-	12	400	80	480	20	696	104	800
	Madaripur Sadar	9	336	64	400				-	14	403	157	560	23	739	221	960
	Rajoir	9	300	60	360				-	10	260	140	400	19	560	200	760
	Shibchar	5	149	51	200				-	11	339	101	440	16	488	152	640
Sub Total:		31	1,081	199	1,280	-	-	-	-	47	1,402	478	1,880	78	2,483	677	3,160
Patuakhali	Bauphal	32	982	365	1,347	22	823	303	1,126	33	1,217	439	1,656	65	2,199	804	3,003
	Dasmina	-	-	-	-	7	201	145	346	11	346	200	546	11	346	200	546
	Dumki	10	298	102	400	6	233	67	300	11	398	132	530	21	696	234	930
	Galachipa	54	1,625	540	2,165	35	909	811	1,720	52	1,458	997	2,455	106	3,083	1,537	4,620
	Kalapara	-	-	-	-	23	939	98	1,037	23	939	98	1,037	23	939	98	1,037
	Mirzaganj	6	213	36	249	2	77	23	100	13	514	122	636	19	727	158	885
	Patuakhali Sadar	19	631	151	782	10	390	110	500	20	734	226	960	39	1,365	377	1,742
Sub Total:		121	3,749	1,194	4,943	105	3,572	1,557	5,129	163	5,606	2,214	7,820	284	9,355	3,408	12,763
Pirojpur	Bhandaria	13	410	110	520	2	59	41	100	10	309	181	490	23	719	291	1,010
	Kawkhali	7	263	56	319	1	19	30	49	8	281	67	348	15	544	123	667
	Mathbaria	21	501	319	820	8	229	171	400	22	491	569	1,060	43	992	888	1,880
	Nazirpur	-	-	-	-	2	73	27	100	10	280	149	429	10	280	149	429
	Nesarabad	-	-	-	-	1	30	20	50	4	154	31	185	4	154	31	185
	Pirojpur Sadar	7	210	75	285	3	114	36	150	16	614	151	765	23	824	226	1,050
	Zianagor	7	224	62	286	3	112	38	150	7	252	89	341	14	476	151	627
Sub Total:		55	1,608	622	2,230	20	636	363	999	77	2,381	1,237	3,618	132	3,989	1,859	5,848
Shariatpur	Bhedarganj	12	384	97	481				-	10	312	88	400	22	696	185	881
	Damudya	12	302	45	347				-	13	453	69	522	25	755	114	869
	Gosairhat	10	270	22	292				-	11	365	71	436	21	635	93	728
	Naria	14	473	86	559				-	10	303	97	400	24	776	183	959
	Shariatpur Sadar	9	291	45	336				-	12	425	55	480	21	716	100	816
	Zanjira	9	289	67	356				-	5	163	37	200	14	452	104	556
Sub Total:		66	2,009	362	2,371	-	-	-	-	61	2,021	417	2,438	127	4,030	779	4,809
FTF Zone Total		489	15,599	3,928	19,527	241	8,001	3,286	11,287	708	23,329	8,170	31,499	1,197	38,928	12,098	51,026

Districts	Upazila	1 Year			Quarter 8			Year 2			Total Project to Date						
		No. of Meetings	No. of Participants		No. of Meetings	No. of Participants		No. of Meetings	No. of Participants		No. of Meetings	No. of Participants					
			Male	Female		Total	Male		Female	Total		Male	Female	Total			
B. Mymensingh Zone																	
Mymensingh	Bhaluka	3	104	11	115	14	468	177	645	22	732	274	1,006	25	836	285	1,121
	Dhobaura	7	106	31	137	10	286	143	429	22	665	303	968	29	771	334	1,105
	Gaffargaon	5	200	37	237	11	406	144	550	27	1,079	287	1,366	32	1,279	324	1,603
	Gauripur	4	92	26	118	7	217	63	280	17	549	131	680	21	641	157	798
	Haluaghat	3	20	4	24	12	418	195	613	28	1,006	412	1,418	31	1,026	416	1,442
	Ishwarganj	6	146	26	172	19	630	228	858	31	1,044	411	1,455	37	1,190	437	1,627
	Muktagachha	1	8	17	25	19	691	169	860	29	1,052	308	1,360	30	1,060	325	1,385
	Mymensingh Sadar	3	69	34	103	9	303	99	402	19	628	232	860	22	697	266	963
	Nandail	2	67	9	76	18	708	123	831	33	1,245	215	1,460	35	1,312	224	1,536
	Phulbari	2	37	28	65	14	517	183	700	40	1,483	517	2,000	42	1,520	545	2,065
	Phulpur	2	47	33	80	37	1,146	342	1,488	62	2,077	593	2,670	64	2,124	626	2,750
	Trishal	2	74	7	81	9	235	170	405	30	912	441	1,353	32	986	448	1,434
Sub Total:		40	970	263	1,233	179	6,025	2,036	8,061	360	12,472	4,124	16,596	400	13,442	4,387	17,829
Sherpur	Jhenaigati				-	5	169	35	204	11	339	78	417	11	339	78	417
	Nakla				-	13	382	193	575	21	615	285	900	21	615	285	900
	Nalitabari				-	13	358	182	540	29	844	303	1,147	29	844	303	1,147
	Sherpur Sadar	1	46	17	63	13	431	109	540	24	778	184	962	25	824	201	1,025
	Sreebardi				-	10	330	106	436	16	546	140	686	16	546	140	686
Sub Total:		1	46	17	63	54	1,670	625	2,295	101	3,122	990	4,112	102	3,168	1,007	4,175
Mymensingh Zone Total		41	1,016	280	1,296	233	7,695	2,661	10,356	461	15,594	5,114	20,708	502	16,610	5,394	22,004
GRAND TOTAL:		530	16,615	4,208	20,823	474	15,696	5,947	21,643	1,169	38,923	13,284	52,207	1,699	55,538	17,492	73,030

Appendix 11: Yield Data by Upazila from AAPI UDP Demonstration Plots -- Aus 2012

District	Upazila	UDP Paddy Yield (kg/ha)	Broadcasted Urea Paddy Yield (kg/ha)	Difference (kg/ha)	% Changed
Bagerhat	Kachua	5,465	4,936	529	11
	Morrelganj	5,184	4,640	545	12
	Average:	5,297	4,758	538	11
Barguna	Amtali	5,695	5,504	191	3
	Bamna	5,194	4,434	760	17
	Sadar	5,262	4,642	620	13
	Betagi	5,186	4,489	697	16
	Average:	5,375	4,858	516	11
Barisal	Bakerganj	3,650	3,150	501	16
	Barisal Sadar	3,635	3,150	485	15
	Average:	3,647	3,150	497	16
Bhola	Sadar	4,228	3,737	491	13
	Burhanuddin	5,436	3,881	1,555	40
	Char Fasson	3,830	3,105	725	23
	Lalmohan	4,088	3,248	840	26
	Average:	4,362	3,542	820	23
Chuadanga	Alamdanga	3,918	3,328	590	18
	Sadar	4,197	3,804	393	10
	Damurhuda	5,520	3,841	1,679	44
	Jibannagar	5,929	4,622	1,307	28
	Average:	5,030	3,980	1,050	26
Jessore	Abhaynagar	4,839	4,355	484	11
	Bagherpara	4,355	3,814	541	14
	Chaugachha	4,753	3,622	1,131	31
	Sadar	5,499	5,016	483	10
	Jhikargachha	5,898	5,289	609	12
	Keshabpur	5,214	4,808	406	8
	Manirampur	5,072	4,220	852	20
	Sharsha	5,007	4,236	771	18
	Average:	5,103	4,410	693	16
Jhalokati	Sadar	5,003	4,225	778	18
	Kathalia	4,865	3,867	998	26
	Nalchity	4,613	3,759	854	23
	Rajapur	4,258	3,335	923	28
	Average:	4,660	3,758	903	24
Jhenaidah	Kaliganj	5,459	4,561	898	20
	Kotchandpur	4,964	3,687	1,276	35
	Maheshpur	4,928	4,366	562	13
	Shailkupa	5,790	4,994	796	16
	Average:	5,247	4,438	809	18
Magura	Sadar	4,727	4,017	710	18
	Shalikka	5,563	4,733	829	18
	Sreepur	4,339	3,394	945	28
	Average:	4,906	4,055	851	21
Meherpur	Gangni	5,464	4,824	640	13
	Sadar	6,295	5,258	1,037	20
	Mujibnagar	6,365	5,215	1,150	22
	Average:	6,105	5,139	966	19

District	Upazila	UDP Paddy Yield (kg/ha)	Broadcasted Urea Paddy Yield (kg/ha)	Difference (kg/ha)	% Changed
Narail	Kalia	4,106	3,511	596	17
	Average:	4,106	3,511	596	17
Patuakhali	Bauphal	4,103	3,541	562	16
	Dasmina	3,710	3,212	499	16
	Galachipa	4,282	3,723	560	15
	Kala Para	5,051	4,376	675	15
	Mirzaganj	5,295	4,713	581	12
	Sadar	5,252	4,650	602	13
	Average:	4,474	3,906	568	15
	Pirojpur	Bhandaria	5,054	4,282	772
Kawkhali	4,046	3,591	455	13	
Mathbaria	5,593	4,952	641	13	
Nazirpur	4,464	4,014	450	11	
Pirojpur Sadar	4,218	3,367	850	25	
Zianagor	4,294	3,450	844	24	
Average:	4,794	4,103	690	17	
Satkhira	Kalaroa	5,432	4,460	972	22
	Kaliganj	4,736	4,054	682	17
	Tala	5,244	4,573	671	15
	Average:	5,137	4,362	775	18
FtF Districts		4,903	4,235	668	16
Mymensingh	Bhaluka	2,698	2,282	417	18
	Dhobaura	3,921	3,265	656	20
	Fulbaria	4,484	3,598	886	25
	Gaffargaon	3,584	2,811	773	28
	Haluaghat	3,883	3,362	521	15
	Ishwarganj	3,475	2,720	755	28
	Muktagachha	2,838	2,524	314	12
	Nandail	4,021	3,436	585	17
	Trishal	3,238	2,771	467	17
	Average:	3,847	3,199	648	20
Sherpur	Jhenaigati	4,463	4,062	402	10
	Nalitabari	1,937	1,471	466	32
	Average:	3,200	2,766	434	16
M&S Districts		3,795	3,164	630	20
Grand Average		4,751	4,089	662	16

Source: AAPI Demo Plot Crop Cut, Aus 2012

Appendix 12. Vegetable Crop Yields from Demonstration Harvest July-September 2012

District	Upazila	Variety	Farmer Name	Transplant Date	Final Harvest Date	No. Picking	Urea Used (kg/ha)			Yield (kg/ha)		
							Guti	Prilled	Diff.	Guti	Prilled	Diff.
FtF Districts												
Bhola ¹	Daulatkhan	Kajla	Joynab Bibi	12-Mar-12	05-Jun-12	16	226.75	296.40	69.65	54735.20	48807.20	5928.00
Gopalganj ¹	Muksudpur	Islampuri	Mrs. Josna Begum	08-Dec-11	12-Jun-12	12	213.41	233.66	20.25	10472.80	6693.70	3779.10
Jhenaidah ¹	Maheshpur	Indian Hungor	Rina Khatun	15-Jan-12	30-Jun-12	15	210.44	233.17	22.72	21854.56	17546.88	4307.68
Jhenaidah	Maheshpur	Indian Hungor	Fatema Begum	21-Jan-12	06-Jul-12	15	210.44	381.86	171.42	20683.78	16637.92	4045.86
Meherpur	Mujibnagar	Local Improved	Md Arshad Sheikh	10-Dec-11	06-Sep-12	20	210.44	233.66	23.22	24161.54	20481.24	3680.30
Meherpur	Mujibnagar	Local Improved	Ms Asma Khatun	05-Feb-12	07-Sep-12	20	210.44	233.66	23.22	22141.08	18218.72	3922.36
M&S District												
Sherpur	Sherpur Sadar	Local Improved (Pahari Kalo)	Rabeya	25-Feb-12	09-Jul-12	9	260.09	301.34	41.25	10423.40	8990.80	1432.60

¹These were harvested in June but not reported in QPR 7.

Appendix 13. Farmers' Field Rice Demonstrations Established for Aman Season (July-September 2012) and Year 2

Districts	Name of Upazilas	Rice Demonstration Plots Established by Men and Women (No.)				
		Aman 2012	Year 2 - October 2011 to September 2012			
		UDP	UDP	Applicator	AWD	Total
A. FtF Zone						
Bagerhat	Sadar	3 (1)	6 (2)			6 (2)
	Fakirhat	3 (1)	5 (2)	1		6 (2)
	Kachua	2 (1)	5 (1)			5 (1)
	Mollahat	2	6 (1)			6 (1)
	Morrelganj	3 (1)	8 (2)			8 (2)
	Rampal	1	2			2
Sub Total:		14 (4)	32 (8)	1	-	33 (8)
Barguna	Amtali	9 (3)	20 (6)		-	20 (6)
	Bamna	1	5 (1)		-	5 (1)
	Sadar	5 (2)	18 (6)		-	18 (6)
	Betagi	2	9 (3)		-	9 (3)
Sub Total:		17 (5)	52 (16)		-	52 (16)
Barisal	Agailjhara		3 (1)	-	-	3 (1)
	Babuganj	6 (2)	8 (2)			8 (2)
	Bakerganj	7 (3)	14 (6)		-	14 (6)
	Banaripara		2	-	-	2
	Sadar	5 (2)	9 (2)		-	9 (2)
	Gournadi	2	5 (1)			5 (1)
	Muladi	3 (1)	5 (1)		-	5 (1)
	Wazirpur	2	7 (1)	1	-	8 (1)
Sub Total:		25 (8)	53 (14)	1	-	54 (14)
Bhola	Sadar	8 (3)	16 (4)	1		17 (4)
	Burhanuddin	5 (2)	9 (3)			9 (3)
	Char Fasson	13 (3)	17 (4)	1		18 (4)
	Daulatkhan	2	4			4
	Lalmohan	4 (1)	8 (2)	1		9 (2)
	Tazumuddin	2	3			3
Sub Total:		33 (9)	57 (13)	3	-	60 (13)
Chuadanga	Alamdanga	8 (2)	13 (3)	1	1	15 (3)
	Sadar	4 (1)	9 (3)			9 (3)
	Damurhuda	4 (1)	9 (2)			9 (2)
	Jibannagar	3 (1)	7 (2)			7 (2)
Sub Total:		19 (5)	38 (10)	1	1	40 (10)
Faridpur	Alfadanga	1	2			2
	Bhanga	1	3			3
	Boalmari	2 (1)	4 (1)			4 (1)
	Sadar	3 (1)	5 (1)			5 (1)
	Madhukhali	2 (1)	3 (1)			3 (1)
	Nagarkanda	1	3			3
	Sadarpur	1	2			2
	Saltha	1	2			2
Sub Total:		12 (3)	24 (3)		-	24 (3)

Districts	Name of Upazilas	Rice Demonstration Plots Established by Men and Women (No.)				
		Aman 2012	Year 2 - October 2011 to September 2012			
		UDP	UDP	Applicator	AWD	Total
Gopalganj	Sadar	1	10 (2)	1 (1)	1	12 (3)
	Kashiani		5 (1)	1	-	6 (1)
	Kotalipara		9 (3)	1	1	11 (3)
	Muksudpur		6 (1)	1	1	8 (1)
	Tungipara	1	5 (1)		1	6 (1)
Sub Total:		2	35 (8)	4 (1)	4	43 (9)
Jessore	Abhaynagar	4 (1)	10 (2)	1		11 (2)
	Bagherpara	7 (2)	12 (3)	1		13 (3)
	Chaugachha	6 (2)	11 (3)	1		12 (3)
	Jessore Sadar	12 (4)	20 (6)	1	1	22 (6)
	Jhikargachha	8 (4)	15 (5)	1		16 (5)
	Keshabpur	4 (1)	9 (2)	1		10 (2)
	Manirampur	10 (4)	20 (7)	1 (1)	2	23 (8)
	Sharsha	8 (3)	18 (6)	1	1	20 (6)
Sub Total:		59 (21)	115 (34)	8 (1)	4	127 (35)
Jhalakati	Jhalakati Sadar	3 (1)	9 (4)			9 (4)
	Kathalia	1	4 (1)		-	4 (1)
	Nalchity	2 (1)	6 (1)		-	6 (1)
	Rajapur	2	5 (1)		-	5 (1)
Sub Total:		8 (2)	24 (7)		-	24 (7)
Jhenaidah	Harinakunda	5 (2)	7 (2)			7 (2)
	Sadar	10 (3)	16 (5)	1 (1)	1	18 (6)
	Kaliganj	8 (2)	14 (4)	1		15 (4)
	Kotchandpur	3 (1)	7 (1)			7 (1)
	Maheshpur	8 (2)	18 (5)	1 (1)	1	20 (6)
	Shailkupa	8 (2)	15 (4)			15 (4)
Sub Total:		42 (12)	77 (21)	3 (2)	2	82 (23)
Khulna	Dighalia	1	3			3
	Dumuria	6 (2)	10 (3)	1	1	12 (3)
	Paikgachha	6 (2)	7 (2)			7 (2)
	Phultala	1	3			3
	Terokhada		1			1
Sub Total:		14 (4)	24 (5)	1	1	26 (5)
Madaripur	Kalkini		5 (1)		1	6 (1)
	Sadar		3 (1)	1	1	5 (1)
	Rajoir	1	4 (1)	1	1	6 (1)
	Shibchar	1	4 (1)		-	4 (1)
Sub Total:		2	16 (4)	2	3	21 (4)
Magura	Sadar	10 (3)	16 (5)	1	1	18 (5)
	Mohammadpur	4 (1)	6 (1)			6 (1)
	Shalikka	5 (2)	11 (3)	1		12 (3)
	Sreepur	5 (2)	8 (2)			8 (2)
Sub Total:		24 (8)	41 (11)	2	1	44 (11)
Meherpur	Gangni	6 (2)	10 (4)			10 (4)
	Sadar	4 (1)	10 (3)			10 (3)
	Mujibnagar	2	5			5
Sub Total:		12 (3)	25 (7)		-	25 (7)

Districts	Name of Upazilas	Rice Demonstration Plots Established by Men and Women (No.)				
		Aman 2012	Year 2 - October 2011 to September 2012			
		UDP	UDP	Applicator	AWD	Total
Narail	Kalia	3 (1)	8 (2)	1		9 (2)
	Lohagara	3 (1)	6 (2)			6 (2)
	Narail Sadar	7 (2)	12 (3)	1		13 (3)
Sub Total:		13 (4)	26 (7)	2	-	28 (7)
Patuakhali	Bauphal	11 (3)	21 (6)		-	21 (6)
	Dasmina	5 (2)	7 (2)		-	7 (2)
	Dumki	3 (1)	5 (1)		-	5 (1)
	Galachipa	22 (7)	33 (11)		-	33 (11)
	Kalapara	16 (4)	17 (4)		-	17 (4)
	Mirzaganj	1	5 (1)		-	5 (1)
	Sadar	5 (2)	9 (3)		-	9 (3)
Sub Total:		63 (19)	97 (28)	-	-	97 (28)
Pirojpur	Bhandaria	1	6 (2)		-	6 (2)
	Kawkhali		3 (1)		-	3 (1)
	Mathbaria	4 (2)	10 (4)		-	10 (4)
	Nazirpur	2 (1)	6 (2)	1		7 (2)
	Nesarabad		1		-	1
	Sadar	1	6 (1)		-	6 (1)
	Zianagor	1	3		-	3
Sub Total:		9 (3)	35 (10)	1	-	36 (10)
Rajbari	Baliakandi	2	3			3
	Kalukhali	2 (1)	3 (1)			3 (1)
	Pangsha	3 (1)	4 (1)			4 (1)
	Rajbari Sadar	3 (1)	5 (1)			5 (1)
Sub Total:		10 (3)	15 (3)	-	-	15 (3)
Satkhira	Debhata	3 (1)	5 (1)			5 (1)
	Kalaroa	6 (2)	11 (3)			11 (3)
	Kaliganj	8 (2)	11 (2)			11 (2)
	Satkhira Sadar	8 (3)	14 (5)	1 (1)	1	16 (6)
	Tala	4 (1)	9 (2)	1		10 (2)
Sub Total:		29 (9)	50 (13)	2 (1)	1	53 (14)
Shariatpur	Bhedarganj		2		-	2
	Damudya	1	3		-	3
	Gosairhat		3 (1)		-	3 (1)
	Naria		3 (1)		-	3 (1)
	Sadar		5 (1)	1 (1)	-	6 (2)
	Zanjira		2		-	2
Sub Total:		1	18 (3)	1 (1)	-	19 (4)
FTF Zone Total		408 (122)	854 (225)	32 (6)	17	903 (231)

Districts	Name of Upazilas	Rice Demonstration Plots Established by Men and Women (No.)				
		Aman 2012	Year 2 - October 2011 to September 2012			
		UDP	UDP	Applicator	AWD	Total
B. Mymensingh Zone						
Mymensingh	Bhaluka	11 (3)	18 (5)	-	1	19 (5)
	Dhobaura	3 (1)	7 (2)	1	-	8 (2)
	Gaffargaon	8 (2)	17 (5)	-	-	17 (5)
	Gauripur	9 (2)	13 (3)	1	1	15 (3)
	Haluaghat	8 (2)	15 (4)	1	1	17 (4)
	Ishwarganj	11 (3)	18 (5)	-	-	18 (5)
	Muktagachha	11 (3)	16 (4)	1	1	18 (4)
	Sadar	8 (2)	14 (4)	1	-	15 (4)
	Nandail	11 (3)	21 (6)	1	1	23 (6)
	Phulbari	8 (2)	19 (6)	1	1	21 (6)
	Phulpur	19 (5)	29 (9)	1	1	31 (9)
	Trishal	6 (2)	15 (4)	1	1	17 (4)
Sub Total:		113 (30)	202 (57)	9	8	219 (57)
Sherpur	Jhenaigati	5 (1)	9 (2)	-	1	10 (2)
	Nakla	5 (1)	9 (2)	1	-	10 (2)
	Nalitabari	8 (2)	15 (4)	-	1	16 (4)
	Sherpur Sadar	8 (2)	14 (4)	1	1	16 (4)
	Sreebardi	5 (1)	10 (2)	-	1	11 (2)
Sub Total:		31 (7)	57 (14)	2	4	63 (14)
Mymensingh Zone Total		144 (37)	259 (71)	11	12	282 (71)
Grand Total:		552 (159)	1,113 (296)	43 (6)	29	1,185 (302)

Numbers in parentheses () indicate women farmers.

Appendix 14. Farmers' Field Vegetable Demonstrations Established for Aman 2012 Season by Upazila and Year 2 to September 2012

Districts	Name of Upazilas	Demonstration plots Established by men and women (No.)							
		Aman 2012	Year 2 to September 2012						
		Eggplant	Cabbage	Cauliflower	Tomato	Eggplant	Banana	Potato	Total
A. FtF districts									
Bagerhat	Sadar			1(1)		1 (1)			2(2)
	Kachua			1(1)		1 (1)			2 (2)
Sub Total:		-	-	2(2)	-	2(2)			4 (4)
Barisal	Banaripara					1(1)			1(1)
	Sadar		1 (1)						1(1)
Sub Total:		-	1 (1)	-	-	1 (1)			2 (2)
Bhola	Bhola Sadar				1(1)				1(1)
	Char Fasson				1(1)				1(1)
	Daulatkhan					1(1)			1(1)
	Lalmohan				1(1)				1(1)
	Tazumuddin					1(1)		2(1)	3 (2)
Sub Total:		-	-	-	3 (3)	2(2)		2(1)	7(6)
Chuadanga	Alamdanga				1(1)				1(1)
	Sadar				1 (1)	1 (1)			2 (2)
Sub Total:		-	-	-	2 (2)	1 (1)			3 (3)
Faridpur	Faridpur Sadar		1(1)						1(1)
	Madhukhali				1(1)				1(1)
	Sadarpur				1(1)				1(1)
Sub Total:		-	1(1)	-	2(2)				3(3)
Gopalganj	Sadar				1(1)				1(1)
	Muksudpur					1(1)			1(1)
Sub Total:		-	-	-	1(1)	1(1)			2(2)
Jessore	Bagherpara					2(2)			2(2)
	Jessore Sadar					2(2)			2(2)
	Jhikargachha				1(1)				1(1)
	Manirampur		1(1)		1(1)				2(2)
	Sharsha		1(1)						1(1)
Sub Total:		-	2(2)	-	2 (2)	4 (4)			8(8)
Jhalakati	Kathalia		1(1)						1(1)
Sub Total:		-	1(1)	-	-				1(1)
Jhenaidah	Harinakunda						1(1)		1(1)
	Sadar		1(1)						1(1)
	Kaliganj				1(1)				1(1)
	Mahehpur					2(2)			2(2)
	Shailkupa				1(1)				1(1)
Sub Total:		-	1(1)	-	2(2)	2(2)	1(1)		6(6)
Madaripur	Kalkini				1(1)				1(1)
Sub Total:		-	-	-	1(1)				1(1)
Magura	Sadar				1(1)	1(1)	1(1)		3(3)
	Sreepur					1(1)			1 (1)
Sub Total:		-	-	-	1(1)	2(2)	1(1)		4 (4)
Meherpur	Gangni				1(1)				1(1)
	Sadar				1(1)				1 (1)
	Mujibnagar					2 (1)			2 (1)
Sub Total:		-	-	-	2 (2)	2 (1)			4 (3)
Patuakhali	Bauphal				1(1)				1(1)
	Kalapara					1(1)			1(1)
Sub Total:		-	-	-	1(1)	1(1)			2(2)
Pirojpur	Kawkhali				1(1)				1(1)
	Nazirpur							1	2
Sub Total:		-	-	-	1(1)		-	1	3 (1)
Rajbari	Baliakandi				1(1)				1(1)
	Pangsha	1(1)				2(2)			2(2)
	Sadar		1(1)		2 (2)				3(3)
Sub Total:		1(1)	1(1)	-	3(3)	2(2)			6(6)

Districts	Name of Upazilas	Demonstration plots Established by men and women (No.)							
		Aman 2012	Year 2 to September 2012						
		Eggplant	Cabbage	Cauliflower	Tomato	Eggplant	Banana	Potato	Total
Satkhira	Kalaroa	1(1)	1(1)			1(1)			2(2)
Sub Total:		1(1)	1(1)	-	-	1(1)			2(2)
Shariatpur	Zanjira				1(1)				1(1)
Sub Total:		-	-	-	1(1)				1(1)
FTF Zone Total		2 (2)	8 (8)	2(2)	22 (22)	21 (20)	2 (2)	3(1)	58 (55)
B. Mymensingh Zone									
Mymensingh	Bhaluka				1(1)				1(1)
	Dhobaura			1(1)					1(1)
	Gaffargaon				1(1)	1(1)			2(2)
	Ishwarganj				1 (1)				1(1)
	Muktagachha				1(1)				1(1)
	Sadar					1(1)	1(1)		2(2)
	Nandail		1 (1)						1(1)
	Phulbari					1(1)			1(1)
Sub Total:			1 (1)	1(1)	4 (4)	3 (3)	1(1)		10 (10)
Sherpur	Jhenaigati					1(1)			1(1)
	Nakla		1(1)			2(2)			3 (3)
	Nalitabari					1(1)			1(1)
	Sherpur Sadar				1(1)	1(1)			2 (2)
	Sreebardi					1(1)			1 (1)
Sub Total:			1(1)	-	1(1)	6 (6)			8 (8)
Mymensingh Zone Total			2 (2)	1(1)	5 (5)	9 (9)	1(1)		18 (18)
GRAND TOTAL:		2 (2)	10 (10)	3(3)	27 (27)	30 (29)	3(3)	3(1)	76 (73)

Numbers in parentheses () indicate women farmers.

Appendix 15. Treatment Details for *Aus* 2012 Season Rice Trials

Treatment details for rice trials in *Aus* 2012 for Patuakhali sadar under non saline condition and Morelgonj and Satkhira sadar under saline condition in AEZ 13 in the FtF region.

Treatment No.	Description	Nutrient in kg/ha				
		N	P	K	S	Zn
1.	N ₀ and other fertilizer	-	13.00	17.00	5.00	1.50
2.	P ₀ and other fertilizer	77.00	-	17.00	5.00	1.50
3.	K ₀ and other fertilizer, under saline condition one NP briquette will be deep placed	77.00	13.00	-	5.00	1.50
4.	One 2.40 gram NPK briquettes	43.5	10.00	12.50	5.00	1.50
5.	One 3.40 gram NPK briquette	57.00	15.00	22.00	5.00	1.50
6.	Recommended doses of all fertilizers	77.00	13.00	17.00	5.00	1.50

Treatment details for rice trials in *Aus* 2012 for Sharsa upazila in Jessore district under non saline condition in AEZ 11 in the FtF region.

Treatment No.	Description	Nutrient in kg/ha				
		N	P	K	S	Zn
1.	N ₀ and other fertilizer	-	12.00	30.00	7.00	1.50
2.	P ₀ and other fertilizer	77.00	-	30.00	7.00	1.50
3.	K ₀ and other fertilizer, under saline condition one NP briquette will be deep placed	77.00	12.00	-	7.00	1.50
4.	One 2.40 gram NPK briquettes	42.5	8.75	15.6	7.00	1.50
5.	One 3.40 gram NPK briquette	60.00	10.60	25.00	7.00	1.50
6.	Recommended doses of all fertilizers	77.00	12.00	30.00	7.00	1.50

Treatment details for rice trials in *Aus* 2012 for dibble planting Trials in Bhola sadar upazila in Bhola district under AEZ 18 in the FtF region.

Treatment No.	Description	Nutrient in kg/ha				
		N	P	K	S	Zn
1.	Recommended doses of prilled urea and other fertilizer broadcast	77.00	12.00	26.00	6.00	1.50
2.	One 1.8 gram USG briquette at 10 days after seedling emergence	52.00	12.00	26.00	6.00	1.50
3.	One 1.8 gram USG briquette at 20 days after seedling emergence	52.00	12.00	26.00	6.00	1.50
4.	One 1.8 gram USG briquette at 30 days after seedling emergence	52.00	12.00	26.00	6.00	1.50

Appendix 16. Results of Rice Trials by Upazila – Aus 2012

District	Upazila	Plant Height (cm)						Tiller No./m ²						Panicle No./m ²						Yield (mt/ha)					
		T1	T2	T3	T4	T5	T6	T1	T2	T3	T4	T5	T6	T1	T2	T3	T4	T5	T6	T1	T2	T3	T4	T5	T6
A. FtF Districts																									
Bagerhat	Morrelganj	119	128	134	139	136	122	137	238	251	302	315	257	134	235	248	300	313	253	2013	3627	3733	4103	4360	3777
Patuakhali	Sadar	81	95	98	99	102	95	229	264	380	298	375	274	210	252	368	294	362	274	2497	4387	4730	5297	5060	4763
Bhola (Dibble rice)	Sadar	104	108	108	112			214	236	253	289			208	222	247	279			4133	4230	4248	4775		
Jessore	Sharsha	113	117	113	113	116	116	387	367	363	362	392	376	324	314	310	317	334	301	3963	4467	4547	4910	5043	4407
Satkhira	Sadar	88	101	94	99	104	99	215	289	308	268	301	290	211	282	297	257	292	283	3657	4717	4633	5223	5453	4917

Appendix 17. Time and Yield Data by Upazila From Applicator Trials *Aus*, 2012

District	Upazila	Average Time Required for Application				Yield (kg/ha)			
		Single Row	Double Row	BAU	UDP Manual	Single Row	Double Row	BAU	UDP Manual
A. FtF Districts									
Barguna	Amtali	14.70	10.30	10.00	22.20	2,432	2,397	2,364	2,845
	Sadar	10.00	5.88		27.00	5,904	6,231		5,643
Average:		12.35	8.09	10.00	24.60	4,168	4,314	2,364	4,244
Jessore	Sharsha	18.50	12.34	13.70	34.50	4,797	4,370	4,325	5,134
Average:		18.50	12.34	13.70	34.50	4,797	4,370	4,325	5,134
Magura	Shalikha	16.40	20.00		45.45	4,910	4,805		4,915
Average:		16.40	20.00		45.45	4,910	4,805		4,915
Patuakhali	Bauphal	19.60	9.00	10.00	40.00	5,440	5,260	4,820	5,260
Average:		19.60	9.00	10.00	40.00	5,440	5,260	4,820	5,260
FtF Average:		16.71	12.36	11.23	36.14	4,829	4,687	3,836	4,888
B. Mymensingh Zone									
Mymensingh	Gaffargaon	13.70	8.33		30.30	2,455	2,543		3,070
	Nandail	17.50	11.00	12.50	25.00	3,905	3,865	3,510	3,977
	Phulbari	21.70	13.50		31.25	3,072	2,809		3,160
Mymensingh Average		17.63	10.94	12.50	28.85	3,144	3,072	3,510	3,402
Grand Average:		17.17	11.65	11.87	32.49	3,986	3,880	3,673	4,145

Appendix 18. Rice and Applicator Trials Established through September 2012

District	Upazila	Year 1	Quarter 8 July-September 2012				Year 2						Total Project to Date		
			FDP	Seed x UDP	Variety x UDP	Applicator	NPK	Seed x UDP	Variety x UDP	Dibble	Saline Soil	Applicator	Male	Female	Total
FtF Districts															
Bagerhat	Bagerhat Sadar	1					1						2	-	2
	Morrelganj										1 (1)		-	1	1
Sub Total:		1					1				1 (1)		2	1	3
Barguna	Amtali	2 (1)	1				1					1 (1)	2	2	4
	Barguna Sadar	1 (1)										1	1	1	2
Sub Total:		3 (2)	1				1					2 (1)	3	3	6
Barisal	Agailjhara	1					1						2	-	2
	Babuganj	1				1 (1)						1 (1)	1	1	2
	Bakerganj	2 (1)			1	1				1		1	3	1	4
	Barisal Sadar	2											2	-	2
	Wazirpur	1											1	-	1
Sub Total:		7 (1)			1	2 (1)	1			1		2 (1)	9	2	11
Bhola	Bhola Sadar						1			1			2	-	2
	Burhanuddin					1						1	1	-	1
	Char Fasson					1	1					1	2	-	2
	Tazumuddin						1						1	-	1
Sub Total:						2	3			1		2	6	-	6
Chuadanga	Damurhuda						1						1	-	1
Sub Total:							1						1	-	1
Faridpur	Bhanga						1						1	-	1
	Faridpur Sadar						1 (1)						-	1	1
Sub Total:							2 (1)						1	1	2
Gopalganj	Gopalganj Sadar	1					1						2	-	2
	Kotalipara	1					1 (1)						1	1	2
	Tungipara	1					1						2	-	2
Sub Total:		3					3 (1)						5	1	6
Jessore	Bagherpara					1						1	1	-	1
	Jessore Sadar				1	1				1		1	2	-	2
	Manirampur		1 (1)				2 (2)						-	2	2
	Sharsha						1						1	-	1
Sub Total:			1 (1)		1	2	3 (2)			1		2	4	2	6
Jhalakati	Jhalakati Sadar	2											2	-	2
	Rajapur	1											1	-	1
Sub Total:		3											3	-	3

District	Upazila	Year 1	Quarter 8 July-September 2012				Year 2						Total Project to Date		
			FDP	Seed x UDP	Variety x UDP	Applicator	NPK	Seed x UDP	Variety x UDP	Dibble	Saline Soil	Applicator	Male	Female	Total
Jhenaidah	Jhenaidah Sadar						1 (1)						-	1	1
	Kaliganj					1	1					1	2	-	2
	Maheshpur						1						1	-	1
Sub Total:						1	3 (1)					1	3	1	4
Khulna	Dumuria			1 (1)			1 (1)	1 (1)					-	2	2
Sub Total:				1 (1)			1 (1)	1 (1)					-	2	2
Madaripur	Kalkini	1					1						2	-	2
	Madaripur Sadar	1					1 (1)						1	1	2
Sub Total:		2					2 (1)						3	1	4
Magura	Magura Sadar			1		1	1	1				1	3	-	3
	Shalikha											1	1	-	1
Sub Total:				1		1	1	1				2	4	-	4
Meherpur	Gangni		1				1						1	-	1
	Meherpur Sadar						1						1	-	1
Sub Total:			1				2						2	-	2
Narail	Narail Sadar		1 (1)				2 (2)						-	2	2
Sub Total:			1 (1)				2 (2)						-	2	2
Patuakhali	Bauphal	1										1 (1)	1	1	2
	Dasmina	1											1	-	1
	Dumki	1 (1)											-	1	1
	Galachipa	1										1 (1)	1	1	2
	Kalapara	1	1 (1)				1 (1)						1	1	2
	Mirzaganj	1 (1)											-	1	1
	Patuakhali Sadar	1					1 (1)						1	1	2
Sub Total:		7 (2)	1 (1)				2 (2)					2 (2)	5	6	11
Pirojpur	Bhandaria	1											1	-	1
	Mathbaria	1											1	-	1
	Nazirpur	1					1						2	-	2
	Pirojpur Sadar	1											1	-	1
Sub Total:		4					1						5	-	5
Rajbari	Rajbari Sadar						1						1	-	1
Sub Total:							1						1	-	1
Satkhira	Kaliganj		1				1						1	-	1
	Satkhira Sadar		1				2				1 (1)		2	1	3
	Tala						1						1	-	1
Sub Total:			2				4				1 (1)		4	1	5

District	Upazila	Year 1	Quarter 8 July-September 2012				Year 2						Total Project to Date		
			FDP	Seed x UDP	Variety x UDP	Applicator	NPK	Seed x UDP	Variety x UDP	Dibble	Saline Soil	Applicator	Male	Female	Total
Shariatpur	Shariatpur Sadar	1					1 (1)						1	1	2
Sub Total:		1					1 (1)						1	1	2
FTF Zone Total		31 (5)	7 (3)	2 (1)	2	8 (1)	35 (12)	2 (1)	2	1	2 (2)	13 (4)	62	24	86
Mymensingh & Sherpur															
Mymensingh	Bhaluka	2					1						3	-	3
	Dhobaura	1											1	-	1
	Gaffargaon	2	1				2					1	5	-	5
	Gauripur	1											1	-	1
	Haluaghat	3 (3)											1	3	4
	Ishwarganj	2 (2)	1 (1)				2 (1)						1	3	4
	Muktagachha	2				1						1	3	-	3
	Mymensingh Sadar	1				1	1					1	3	-	3
	Nandail	3										1	4	-	4
	Phulbari	4 (1)				1	1 (1)					2	5	2	7
	Phulpur	2				1	1 (1)					1	3	1	4
	Trishal	4			1	1 (1)	1		1			1 (1)	6	1	7
Sub Total:		28 (6)	2 (1)		1	5 (1)	9 (3)		1			8 (1)	36	10	46
Sherpur	Nakla	1		1 (1)			1 (1)	1 (1)					1	2	3
	Nalitabari	2					1						3	-	3
	Sherpur Sadar	2					1						3	-	3
	Sreebardi	1											1	-	1
Sub Total:		6		1 (1)			3 (1)	1 (1)					8	2	10
Mymensingh Zone Total		34 (6)	2 (1)	1 (1)	1	5 (1)	12 (4)	1 (1)	1			8 (1)	44	12	56
GRAND TOTAL:		65 (11)	9 (4)	3 (2)	3	13 (2)	47 (16)	3 (2)	3	1	2 (2)	21 (5)	106	36	142

Numbers in parentheses () indicate women farmers.

Appendix 19. Participation at Field Days for Demonstrations and Trials through September 2012

Districts	Name of Upazilas	No. of Field Days															
		Year 1				Quarter 8 July-Sept. 20112				Year 2				Total Project to Date			
		Events	Male	Female	Total	Events	Male	Female	Total	Events	Male	Female	Total	Events	Male	Female	Total
A. FTF districts																	
Bagerhat	Bagerhat Sadar	2	177	42	219	-	-	-	-	1	59	21	80	3	236	63	299
	Fakirhat	1	59	39	98	-	-	-	-	1	45	35	80	2	104	74	178
	Kachua	-	-	-	-	-	-	-	-	1	42	38	80	1	42	38	80
	Mollahat	1	57	23	80	-	-	-	-	-	-	-	-	1	57	23	80
	Morrelganj	1	57	23	80	-	-	-	-	2	138	22	160	3	195	45	240
Sub Total:		5	350	127	477	-	-	-	-	5	284	116	400	10	634	243	877
Barguna	Amtali	1	121	4	125	-	-	-	-	2	130	90	220	3	251	94	345
	Bamna	-	-	-	-	1	90	20	110	1	90	20	110	1	90	20	110
	Barguna Sadar	2	155	5	160	2	160	90	250	4	285	165	450	6	440	170	610
	Betagi	1	120	2	122	1	80	40	120	1	80	40	120	2	200	42	242
Sub Total:		4	396	11	407	4	330	150	480	8	585	315	900	12	981	326	1,307
Barisal	Agailjhara	2	123	37	160	-	-	-	-	-	-	-	-	2	123	37	160
	Babuganj	-	-	-	-	-	-	-	-	1	65	25	90	1	65	25	90
	Bakerganj	1	95	20	115	1	83	15	98	2	153	47	200	3	248	67	315
	Banaripara	1	66	14	80	-	-	-	-	-	-	-	-	1	66	14	80
	Barisal Sadar	2	182	30	212	-	-	-	-	2	160	60	220	4	342	90	432
	Gauradi	2	142	46	188	-	-	-	-	-	-	-	-	2	142	46	188
	Muladi	-	-	-	-	-	-	-	-	1	70	22	92	1	70	22	92
	Wazirpur	4	213	107	320	-	-	-	-	1	42	38	80	5	255	145	400
Sub Total:		12	821	254	1,075	1	83	15	98	7	490	192	682	19	1,311	446	1,757
Bhola	Bhola Sadar				-	1	83	17	100	2	172	28	200	2	172	28	200
	Char Fasson				-	-	-	-	-	1	73	27	100	1	73	27	100
Sub Total:		-	-	-	-	1	83	17	100	3	245	55	300	3	245	55	300
Chuadanga	Alamdanga				-	-	-	-	-	1	83	27	110	1	83	27	110
	Sadar				-	1	86	14	100	1	86	14	100	1	86	14	100
Sub Total:		-	-	-	-	1	86	14	100	2	169	41	210	2	169	41	210

Districts	Name of Upazilas	No. of Field Days															
		Year 1				Quarter 8 July-Sept. 20112				Year 2				Total Project to Date			
		Events	Male	Female	Total	Events	Male	Female	Total	Events	Male	Female	Total	Events	Male	Female	Total
Gopalganj	Gopalganj Sadar	2	110	107	217	-	-	-	-	1	74	16	90	3	184	123	307
	Kashiani	1	93	22	115	-	-	-	-	1	75	7	82	2	168	29	197
	Kotalipara	2	124	36	160	-	-	-	-	2	100	60	160	4	224	96	320
	Muksudpur	2	145	75	220	-	-	-	-	1	65	26	91	3	210	101	311
	Tungipara	2	105	56	161	-	-	-	-	1	59	21	80	3	164	77	241
Sub Total:		9	577	296	873	-	-	-	-	6	373	130	503	15	950	426	1,376
Jessore	Abhaynagar				-	-	-	-	-	1	58	22	80	1	58	22	80
	Bagherpara				-	-	-	-	-	1	65	21	86	1	65	21	86
	Chaugachha				-	-	-	-	-	1	60	30	90	1	60	30	90
	Jessore Sadar				-	-	-	-	-	1	50	30	80	1	50	30	80
	Jhikargachha				-	-	-	-	-	1	65	20	85	1	65	20	85
	Keshabpur				-	-	-	-	-	1	63	33	96	1	63	33	96
	Manirampur				-	1	65	35	100	2	121	79	200	2	121	79	200
	Sharsha				-	1	46	64	110	2	108	104	212	2	108	104	212
Sub Total:		-	-	-	-	2	111	99	210	10	590	339	929	10	590	339	929
Jhalakati	Jhalakati Sadar	2	124	56	180	1	76	24	100	1	76	24	100	3	200	80	280
	Kathalia	1	49	31	80	-	-	-	-	-	-	-	-	1	49	31	80
	Nalchity	1	80	-	80	-	-	-	-	1	64	16	80	2	144	16	160
	Rajapur	1	42	38	80	-	-	-	-	-	-	-	-	1	42	38	80
Sub Total:		5	295	125	420	1	76	24	100	2	140	40	180	7	435	165	600
Jhenaidah	Jhenaidah Sadar				-	-	-	-	-	1	68	20	88	1	68	20	88
	Kaliganj				-	-	-	-	-	1	79	9	88	1	79	9	88
	Maheshpur				-	-	-	-	-	1	80	20	100	1	80	20	100
	Shailkupa				-	1	84	20	104	2	153	51	204	2	153	51	204
Sub Total:		-	-	-	-	1	84	20	104	5	380	100	480	5	380	100	480
Khulna	Dumuria				-	-	-	-	-	2	110	90	200	2	110	90	200
Sub Total:		-	-	-	-	-	-	-	-	2	110	90	200	2	110	90	200
Madaripur	Kalkini	1	58	35	93	-	-	-	-	2	142	58	200	3	200	93	293
	Madaripur Sadar	2	115	75	190	-	-	-	-	1	62	38	100	3	177	113	290
	Rajoir	2	124	76	200	-	-	-	-	1	70	30	100	3	194	106	300
	Shibchar	1	36	44	80	-	-	-	-	-	-	-	-	1	36	44	80
Sub Total:		6	333	230	563	-	-	-	-	4	274	126	400	10	607	356	963
Magura	Magura Sadar				-	-	-	-	-	2	123	69	192	2	123	69	192
	Shalikha				-	-	-	-	-	1	95	25	120	1	95	25	120
Sub Total:		-	-	-	-	-	-	-	-	3	218	94	312	3	218	94	312
Meherpur	Meherpur Sadar				-	1	89	36	125	1	89	36	125	1	89	36	125
Sub Total:		-	-	-	-	1	89	36	125	1	89	36	125	1	89	36	125

Districts	Name of Upazilas	No. of Field Days															
		Year 1				Quarter 8 July-Sept. 20112				Year 2				Total Project to Date			
		Events	Male	Female	Total	Events	Male	Female	Total	Events	Male	Female	Total	Events	Male	Female	Total
Narail	Kalia				-	-	-	-	-	1	71	15	86	1	71	15	86
	Narail Sadar				-	-	-	-	-	1	39	41	80	1	39	41	80
Sub Total:		-	-	-	-	-	-	-	-	2	110	56	166	2	110	56	166
Patuakhali	Bauphal	-	-	-	-	1	102	48	150	5	389	172	561	5	389	172	561
	Dasmina	-	-	-	-	-	-	-	-	1	90	25	115	1	90	25	115
	Dumki	-	-	-	-	-	-	-	-	2	186	44	230	2	186	44	230
	Galachipa	2	110	62	172	1	65	37	102	5	365	180	545	7	475	242	717
	Kalapara	-	-	-	-	-	-	-	-	2	140	120	260	2	140	120	260
	Mirzaganj	2	185	55	240	-	-	-	-	-	-	-	-	2	185	55	240
	Patuakhali Sadar	-	-	-	-	3	225	160	385	4	325	220	545	4	325	220	545
Sub Total:		4	295	117	412	5	392	245	637	19	1,495	761	2,256	23	1,790	878	2,668
Pirojpur	Bhandaria	1	60	40	100	1	61	49	110	1	61	49	110	2	121	89	210
	Kawkhali	1	90	21	111	-	-	-	-	-	-	-	-	1	90	21	111
	Mathbaria	-	-	-	-	1	93	17	110	2	135	82	217	2	135	82	217
	Nazirpur	1	56	27	83	-	-	-	-	-	-	-	-	1	56	27	83
	Nesarabad	-	-	-	-	-	-	-	-	1	51	29	80	1	51	29	80
	Pirojpur Sadar	1	51	29	80	-	-	-	-	-	-	-	-	1	51	29	80
Sub Total:		4	257	117	374	2	154	66	220	4	247	160	407	8	504	277	781
Rajbari	Rajbari Sadar				-	-	-	-	-	1	80	22	102	1	80	22	102
Sub Total:		-	-	-	-	-	-	-	-	1	80	22	102	1	80	22	102
Satkhira	Satkhira Sadar				-	-	-	-	-	2	139	71	210	2	139	71	210
	Tala				-	-	-	-	-	2	132	57	189	2	132	57	189
Sub Total:		-	-	-	-	-	-	-	-	4	271	128	399	4	271	128	399
Shariatpur	Bhedarganj	1	58	42	100	-	-	-	-	-	-	-	-	1	58	42	100
	Gosairhat	1	77	34	111	-	-	-	-	-	-	-	-	1	77	34	111
	Naria	1	68	58	126	-	-	-	-	-	-	-	-	1	68	58	126
	Shariatpur Sadar	2	79	102	181	-	-	-	-	1	75	25	100	3	154	127	281
Sub Total:		5	282	236	518	-	-	-	-	1	75	25	100	6	357	261	618
FTF Zone Total		54	3,606	1,513	5,119	19	1,488	686	2,174	89	6,225	2,826	9,051	143	9,831	4,339	14,170

Districts	Name of Upazilas	No. of Field Days															
		Year 1				Quarter 8 July-Sept. 20112				Year 2				Total Project to Date			
		Events	Male	Female	Total	Events	Male	Female	Total	Events	Male	Female	Total	Events	Male	Female	Total
B. Mymensingh Zone																	
Mymensingh	Bhaluka	2	128	32	160	-	-	-	-	2	152	42	194	4	280	74	354
	Dhobaura	1	65	36	101	-	-	-	-	2	131	46	177	3	196	82	278
	Gaffargaon	4	392	102	494	-	-	-	-	3	224	48	272	7	616	150	766
	Gauripur	2	160	50	210	-	-	-	-	2	147	13	160	4	307	63	370
	Haluaghat	2	120	57	177	-	-	-	-	2	127	73	200	4	247	130	377
	Ishwarganj	2	158	8	166	-	-	-	-	3	234	30	264	5	392	38	430
	Muktagachha	2	118	34	152	-	-	-	-	2	134	55	189	4	252	89	341
	Sadar	2	100	46	146	-	-	-	-	2	163	34	197	4	263	80	343
	Nandail	4	243	78	321	1	64	25	89	4	279	93	372	8	522	171	693
	Phulbari	6	331	155	486	1	87	21	108	6	394	162	556	12	725	317	1,042
	Phulpur	5	269	86	355	-	-	-	-	3	180	65	245	8	449	151	600
	Trishal	5	353	92	445	1	110	-	110	4	324	56	380	9	677	148	825
Sub Total:		37	2,437	776	3,213	3	261	46	307	35	2,489	717	3,206	72	4,926	1,493	6,419
Sherpur	Jhenaigati	1	77	30	107	-	-	-	-	2	127	54	181	3	204	84	288
	Nakla	3	170	67	237	-	-	-	-	2	151	78	229	5	321	145	466
	Nalitabari	1	43	21	64	-	-	-	-	2	143	17	160	3	186	38	224
	Sherpur Sadar	3	255	142	397	-	-	-	-	2	151	16	167	5	406	158	564
	Sreebardi	2	159	41	200	-	-	-	-	2	128	61	189	4	287	102	389
Sub Total:		10	704	301	1,005	-	-	-	-	10	700	226	926	20	1,404	527	1,931
Mymensingh Zone Total		47	3,141	1,077	4,218	3	261	46	307	45	3,189	943	4,132	92	6,330	2,020	8,350
GRAND TOTAL:		101	6,747	2,590	9,337	22	1,749	732	2,481	134	9,414	3,769	13,183	235	16,161	6,359	22,520

Appendix 20. Motivational Field Visits through September 2012

District	Upazilas of Host	Upazilas of Participants	Year 1			July-Sept., 2012			Year 2			Total Project to Date		
			No. of Program	Participants		No. of Program	Participants		No. of Program	Participants		No. of Program	Participants	
			Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
A. FTF Districts														
Bagerhat	Sadar	Tungipara			-			-	1	34	14	48		
		Lohagara			-			-	1	32	10	42	3	97
		Pirojpur Sadar			-			-	1	31	17	48		41
	Kachua	Kotalipara			-			-	1	37	11	48	1	37
	Morrelganj	Bagerhat Sadar	1	35	13	48		-	-	-	-	-	2	70
		Fakirhat	1	35	10	45		-	-	-	-	-		23
Sub Total			2	70	23	93	-	-	-	4	134	52	186	6
Barguna	Sadar	Dumki	1	42	7	49		-	-	-	-	-	2	80
	Amtali						1	38	9	47	1	38	9	47
Sub Total			1	42	7	49	1	38	9	47	1	38	9	47
Barisal	Sadar	Barguna Sadar			-			-	1	33	16	49	2	69
		Kathalia						-	1	36	11	47		27
	Babuganj	Kawkhali	1	35	9	44		-	-	-	-	-		
		Betagi	1	37	7	44		-	-	-	-	-		
		Wazirpur	1	37	7	44		-	-	-	-	-		
		Muksudpur	1	41	15	56		-	-	-	-	-		
		Galachipa						-	1	27	19	46		
		Bauphal						-	1	30	16	46		
	Wazirpur	Bamna	1	35	9	44		-	-	-	-	-	1	35
	Bakerganj	Bauphal	1	38	8	46		-	-	-	-	-		9
		Kalapara	1	38	12	50	1	31	14	45	1	31	14	45
		Galachipa	1	36	14	50		-	-	-	-	-		48
	Gaurnadi	Amtali	1	36	12	48		-	-	-	-	-		
		Barguna Sadar and Gaurnadi	1	37	5	42		-	-	-	-	-		
		Kashiani	1	31	16	47		-	-	-	-	-		
		Betagi	1	33	8	41		-	-	-	-	-		
		Barisal and Mirzaganj				-		-	1	34	18	52		
		Bakerganj						-	1	35	11	46		
		Amtali						-	1	36	10	46		
	Agailjhara	Agailjhara and Jhalakati Sadar				-		-	1	34	16	50	1	34
Sub Total			12	434	122	556	1	31	14	45	9	296	131	427
													21	730
														253
														983

District	Upazilas of Host	Upazilas of Participants	Year 1			July-Sept., 2012			Year 2			Total Project to Date						
			No. of Program	Participants		No. of Program	Participants		No. of Program	Participants		No. of Program	Participants					
				Male	Female		Total	Male		Female	Total		Male	Female	Total			
Bhola	Tazumuddin	Char Fasson				-				-	1	35	16	51	4	130	65	195
	Char Fesson	Burhanuddin				-				-	1	32	17	49				
	Burhanuddin	Bhola Sadar				-				-	1	34	15	49				
		Char Fesson					1	29	17	46	1	29	17	46				
Sub Total			-	-	-	-	1	29	17	46	4	130	65	195	4	130	65	195
Gopalganj	Kotalipara	Narail Sadar				-				-	1	24	17	41	1	24	17	41
Sub Total			-	-	-	-	-	-	-	-	1	24	17	41	1	24	17	41
Jessore	Sadar	Abhaynagar				-				-	1	32	15	47	5	161	74	235
		Kalia, Narail				-				-	1	32	18	50				
		Manirampur				-	1	31	14	45	1	31	14	45				
		Jhenaidah Sadar				-	1	35	11	46	1	35	11	46				
		Magura Sadar				-	1	31	16	47	1	31	16	47				
	Sharsha	Jessore Sadar				-	1	28	18	46	1	28	18	46	2	72	28	100
		Kaliganj				-	1	44	10	54	1	44	10	54				
Sub Total			-	-	-	-	5	169	69	238	7	233	102	335	7	233	102	335
Jhalakati	Sadar	Muladi	1	41	9	50				-	-	-	-	-	4	136	58	194
		Nazirpur				-				-	1	33	15	48				
		Agailjhara				-				-	1	32	16	48				
		Bhandaria				-				-	1	30	18	48				
	Kathalia	Pirojpur Sadar	1	39	11	50				-	-	-	-	-	2	77	22	99
		Babuganj	1	38	11	49				-	-	-	-	-				
Sub Total			3	118	31	149	-	-	-	-	3	95	49	144	6	213	80	293
Jhenaidah	Sadar	Dhamurhuda				-				-	1	24	16	40	2	56	32	88
		Chaugachha				-				-	1	32	16	48				
	Kaliganj	Magura Sadar				-				-	1	24	15	39	1	24	15	39
Sub Total			-	-	-	-	-	-	-	-	3	80	47	127	3	80	47	127
Madaripur	Sadar	Rajapur and Kathalia	1	38	10	48				-	-	-	-	-	2	70	25	95
		Patuakhali Sadar				-				-	1	32	15	47				
	Rajoir	Bakerganj and Damuddya	1	40	9	49				-	-	-	-	-	1	40	9	49
	Kalkini	Tungipara	1	33	16	49				-	-	-	-	-	2	67	32	99
		Banaripara				-				-	1	34	16	50				
Sub Total			3	111	35	146	-	-	-	-	2	66	31	97	5	177	66	243
Magura	Sadar	Shailkupur				-				-	1	37	10	47	2	68	24	92
		Maheshpur				-				-	1	31	14	45				
	Shalikhha	Sreepur				-				-	1	36	11	47	1	36	11	47
Sub Total			-	-	-	-	-	-	-	-	3	104	35	139	3	104	35	139

District	Upazilas of Host	Upazilas of Participants	Year 1				July-Sept., 2012				Year 2				Total Project to Date				
			No. of Program	Participants			No. of Program	Participants			No. of Program	Participants			No. of Program	Participants			
				Male	Female	Total		Male	Female	Total		Male	Female	Total		Male	Female	Total	
Patuakhali	Sadar	Barisal Sadar	1	41	8	49													
		Dasmina	1	36	12	48													
	Galachipa	Patuakhali Sadar	1	38	11	49													
Sub Total			3	115	31	146	-	-	-	-	-	-	-	-	-	-	-	-	-
Pirojpur	Sadar	Morrelganj	1	40	10	50													
		Nalchity	1	31	17	48													
Sub Total			2	71	27	98	-	-	-	-	-	-	-	-	-	-	-	-	-
Shariatpur	Shariatpur Sadar	Banaripara	1	38	9	47													
		Gopalganj	1	40	8	48													
	Damuddya	Gopalganj	1	30	19	49													
Sub Total			3	108	36	144	-	-	-	-	-	-	-	-	-	-	-	-	-
FTF Districts Total:			29	1,069	312	1,381	8	267	109	376	37	1,200	538	1,738	66	2,269	850	3,119	
B. Mymensingh Zone																			
Mymensingh	Mymensingh Sadar	Bhaluka	1	42	11	53													
		Nandail	1	41	12	53													
		Nakla				-					1	36	14	50					
		Dhobaura				-					1	33	17	50					
	Muktagachha	Mymensingh Sadar and Gouripur	1	58	11	69													
		Phulpur				-					1	37	13	50					
		Gaffargaon				-					1	37	13	50					
		Nandail				-					1	34	16	50					
	Trishal	Sherpur Sadar and Sreebardi	1	46	9	55													
		Phulpur	1	49	1	50													
		Muktagachha	1	29	16	45													
		Nalitabari				-					1	37	13	50					
	Phulbari	Dhobaura	1	44	9	53													
		Gauripur	1	44	6	50													
		Mymensingh Sadar	1	32	15	47													
	Dhobaura	Muktagachha	1	52	8	60													
	Bhaluka	Gauripur				-					1	38	12	50					

District	Upazilas of Host	Upazilas of Participants	Year 1			July-Sept., 2012			Year 2			Total Project to Date						
			No. of Program	Participants		No. of Program	Participants		No. of Program	Participants		No. of Program	Participants					
				Male	Female		Total	Male		Female	Total		Male	Female	Total			
	Gaffargaon	Bhaluka	1	43	6	49				-	-	-	-					
		Trishal	1	29	18	47				-	-	-	-	3	110	36	146	
		Mymensingh Sadar				-				1	38	12	50					
	Nandail	Haluaghat and Nakla	1	52	10	62				-	-	-	-	4	164	48	212	
		Phulpur	1	43	7	50	1	34	16	50	1	34	16	50				
		Bhaluka				-	1	35	15	50	1	35	15	50				
	Ishwarganj	Nandail	1	37	12	49				-	-	-	-					
		Muktagachha				-				-	1	38	12	50	3	108	41	149
		Trishal				-				-	1	33	17	50				
	Gauripur	Gaffargaon	1	45	10	55				-	-	-	-	2	80	25	105	
		Haluaghat				-				-	1	35	15	50				
	Phulpur	Ishwarganj	1	52	9	61				-	-	-	-					
		Jhenaigati and Nalitabari	1	47	9	56				-	-	-	-	5	207	59	266	
		Nandail				-				-	1	35	14	49				
		Phulbari				-				-	1	37	13	50				
		Nalitabari and Jhenaigati				-				-	1	36	14	50				
	Haluaghat	Nakla	1	41	14	55				-	-	-	-	1	41	14	55	
Sub Total			19	826	193	1,019	2	69	31	100	16	573	226	799	35	1,399	419	1,818
Sherpur	Nalitabari	Trishal	1	46	10	56				-	-	-	-	2	83	22	105	
		Sherpur Sadar	1	37	12	49				-	-	-	-					
	Nakla	Haluaghat and Nakla	1	48	12	60				-	-	-	-	3	120	40	160	
		Trishal				-				-	1	38	12	50				
		Phulbari				-				-	1	34	16	50				
	Jhenaigati	Nalitabari	1	44	6	50				-	-	-	-	1	44	6	50	
Sub Total			4	175	40	215	-	-	-	-	2	72	28	100	6	247	68	315
Mymensingh Zone Total:			23	1,001	233	1,234	2	69	31	100	18	645	254	899	41	1,646	487	2,133
Grand Total:			52	2,070	545	2,615	10	336	140	476	55	1,845	792	2,637	107	3,915	1,337	5,252

Appendix 21. Motivational Meetings and Campaign – Stakeholder Workshops through September 2012

Districts	Upazilas	Year 1				July-Sept. 2012				Total Year 2				Total Project to Date			
		No. of Workshops	Number of Participants			No. of Workshops	Number of Participants			No. of Workshops	Number of Participants			No. of Workshops	Number of Participants		
			M	F	Tot.		M	F	Tot.		M	F	Tot.		M	F	Tot.
A. FTF Districts																	
Bagerhat	Fakirhat	1	270	30	300				-	-	-	-	-	1	270	30	300
	Kachua	1	35	10	45				-	-	-	-	-	1	35	10	45
	Morrelganj	1	45	3	48				-	-	-	-	-	1	45	3	48
	Rampal	1	31	12	43				-	-	-	-	-	1	31	12	43
Sub Total:		4	381	55	436	-	-	-	-	-	-	-	-	4	381	55	436
Barguna	Amtali	1	43	5	48	1	45	-	45	2	77	8	85	3	120	13	133
	Bamna	1	39	3	42				-	1	39	12	51	2	78	15	93
	Barguna Sadar	1	47	3	50	1	34	1	35	2	84	1	85	3	131	4	135
	Betagi	1	44	3	47				-	-	-	-	-	1	44	3	47
Sub Total:		4	173	14	187	2	79	1	80	5	200	21	221	9	373	35	408
Barisal	Agailjhara	1	36	7	43				-	-	-	-	-	1	36	7	43
	Bakerganj	1	46	4	50	1	54	5	59	2	89	15	104	3	135	19	154
	Barisal Sadar	3	93	10	103	1	49	4	53	1	49	4	53	4	142	14	156
	Muladi	1	32	9	41				-	-	-	-	-	1	32	9	41
Sub Total:		6	207	30	237	2	103	9	112	3	138	19	157	9	345	49	394
Bhola	Bhola Sadar				-				-	3	125	15	140	3	125	15	140
	Burhanuddin				-	1	56	1	57	2	79	38	117	2	79	38	117
	Char Fasson				-	1	49	10	59	2	85	40	125	2	85	40	125
	Lalmohan				-	1	34	-	34	1	34	-	34	1	34	-	34
Sub Total:		-	-	-	-	3	139	11	150	8	323	93	416	8	323	93	416
Chuadanga	Alamdanga				-				-	1	37	13	50	1	37	13	50
	Chuadanga Sadar				-	1	40	2	42	2	81	9	90	2	81	9	90
	Damurhuda				-				-	1	30	19	49	1	30	19	49
	Jibannagar				-	1	48		48	1	48		48	1	48		48
Sub Total:		-	-	-	-	2	88	2	90	5	196	41	237	5	196	41	237
Faridpur	Bhanga				-				-	1	36	14	50	1	36	14	50
	Boalmari				-	1	56		56	1	56		56	1	56		56
	Faridpur Sadar				-				-	1	43	14	57	1	43	14	57
Sub Total:		-	-	-	-	1	56	-	56	3	135	28	163	3	135	28	163
Gopalganj	Gopalganj Sadar	1	46	10	56				-	-	-	-	-	1	46	10	56
	Kashiani	1	36	17	53				-	-	-	-	-	1	36	17	53
	Kotalipara	1	38	16	54				-	-	-	-	-	1	38	16	54
	Muksudpur	1	43	18	61				-	-	-	-	-	1	43	18	61
	Tungipara				-				-	-	-	-	-	-	-	-	-
Sub Total:		4	163	61	224	-	-	-	-	-	-	-	-	4	163	61	224

Districts	Upazilas	Year 1			July-Sept. 2012			Total Year 2			Total Project to Date						
		No. of Workshops	Number of Participants		No. of Workshops	Number of Participants		No. of Workshops	Number of Participants		No. of Workshops	Number of Participants					
			M	F		Tot.	M		F	Tot.		M	F	Tot.			
Jessore	Abhaynagar			-			-	1	44	11	55	1	44	11	55		
	Jessore Sadar			-	1	44	3	47	3	116	9	125	3	116	9	125	
	Keshabpur			-			-	1	32	19	51	1	32	19	51		
	Manirampur			-	1	41	13	54	2	80	35	115	2	80	35	115	
	Sharsha			-			-	1	38	12	50	1	38	12	50		
Sub Total:		-	-	-	2	85	16	101	8	310	86	396	8	310	86	396	
Jhalakati	Jhalakati Sadar			-	2	56	32	88	3	91	43	134	3	91	43	134	
	Kathalia	1	44	6	50			-	-	-	-	-	1	44	6	50	
	Rajapur	1	44	5	49			-	-	-	-	-	1	44	5	49	
Sub Total:		2	88	11	99	2	56	32	88	3	91	43	134	5	179	54	233
Jhenaidah	Jhenaidah Sadar			-	1	44	2	46	2	87	15	102	2	87	15	102	
	Kaliganj			-	2	61	38	99	3	98	52	150	3	98	52	150	
	Kotchandpur			-				-	1	34	14	48	1	34	14	48	
	Maheshpur			-	1	43	12	55	2	91	22	113	2	91	22	113	
	Shaikupa			-				-	1	48	12	60	1	48	12	60	
Sub Total:		-	-	-	4	148	52	200	9	358	115	473	9	358	115	473	
Khulna	Dighalia			-				-	1	37	13	50	1	37	13	50	
	Dumuria			-	1	46	2	48	2	81	19	100	2	81	19	100	
	Paikgachha			-				-	1	37	15	52	1	37	15	52	
	Phultala			-	2	87	9	96	4	161	37	198	4	161	37	198	
	Terokhada			-				-	1	34	15	49	1	34	15	49	
Sub Total:		-	-	-	3	133	11	144	9	350	99	449	9	350	99	449	
Magura	Magura Sadar			-	1	44	1	45	4	163	13	176	4	163	13	176	
	Shalikhha			-				-	1	39	11	50	1	39	11	50	
	Sreepur			-	1	20	16	36	1	20	16	36	1	20	16	36	
Sub Total:		-	-	-	2	64	17	81	6	222	40	262	6	222	40	262	
Meherpur	Meherpur Sadar			-				-	1	36	12	48	1	36	12	48	
	Mujibnagar			-				-	1	45	11	56	1	45	11	56	
Sub Total:		-	-	-	-	-	-	-	2	81	23	104	2	81	23	104	
Narail	Lohagara			-				-	1	44	16	60	1	44	16	60	
	Narail Sadar			-				-	1	35	8	43	1	35	8	43	
Sub Total:		-	-	-	-	-	-	-	2	79	24	103	2	79	24	103	
Patuakhali	Bauphal	1	56	3	59			-	1	45	10	55	2	101	13	114	
	Dasmina	1	31	17	48			-	-	-	-	-	1	31	17	48	
	Galachipa	1	48	6	54	1	53	53	1	53	-	53	2	101	6	107	
	Kalapara	1	44	3	47	1	40	2	42	1	40	2	42	2	84	5	89
	Mirzaganj			-				-	1	26	18	44	1	26	18	44	
	Patuakhali Sadar	2	37	1	38	1	42	42	3	105	1	106	5	142	2	144	
Sub Total:		6	216	30	246	3	135	2	137	7	269	31	300	13	485	61	546

Districts	Upazilas	Year 1			July-Sept. 2012			Total Year 2			Total Project to Date						
		No. of Workshops	Number of Participants		No. of Workshops	Number of Participants		No. of Workshops	Number of Participants		No. of Workshops	Number of Participants					
			M	F		Tot.	M		F	Tot.		M	F	Tot.			
Pirojpur	Bhandaria	1	41	4	45			-	1	39	15	54	2	80	19	99	
	Mathbaria	1	48	6	54			-	-	-	-	-	1	48	6	54	
	Nazirpur	1	38	9	47			-	-	-	-	-	1	38	9	47	
	Nesarabad	1	44	5	49			-	-	-	-	-	1	44	5	49	
	Pirojpur Sadar	1	39	7	46	1	46	2	48	2	67	2	69	3	106	9	115
	Zianagor	1	31	5	36			-	-	-	-	-	1	31	5	36	
Sub Total:		6	241	36	277	1	46	2	48	3	106	17	123	9	347	53	400
Rajbari	Baliakandi				-			-	1	36	11	47	1	36	11	47	
	Kalukhali				-			-	1	23	12	35	1	23	12	35	
	Pangsha				-			-	1	44	11	55	1	44	11	55	
	Rajbari Sadar				-			-	1	47	1	48	1	47	1	48	
Sub Total:		-	-	-	-	-	-	-	4	150	35	185	4	150	35	185	
Satkhira	Debhata				-			-	1	33	17	50	1	33	17	50	
	Kalaroa				-			-	1	33	26	59	1	33	26	59	
	Kaliganj				-			-	1	46	15	61	1	46	15	61	
	Satkhira Sadar				-			-	1	39	5	44	1	39	5	44	
	Tala				-			-	1	36	15	51	1	36	15	51	
Sub Total:		-	-	-	-	-	-	-	5	187	78	265	5	187	78	265	
FTF Zone Total		32	1,469	237	1,706	27	1,132	155	1,287	82	3,195	793	3,988	114	4,664	1,030	5,694
B. Mymensingh Zone																	
Mymensingh	Bhaluka	1	59	8	67			-	-	-	-	-	1	59	8	67	
	Gaffargaon				-			-	1	42	10	52	1	42	10	52	
	Gauripur				-	1	48	3	51	2	89	11	100	2	89	11	100
	Haluaghat	1	25	6	31	1	50		50	1	50	-	50	2	75	6	81
	Ishwarganj	1	36	19	55	1	46		46	1	46	-	46	2	82	19	101
	Muktagachha	1	52	14	66	1	17	33	50	1	17	33	50	2	69	47	116
	Mymensingh Sadar	4	159	16	175				-	-	-	-	-	4	159	16	175
	Nandail				-				-	1	42	13	55	1	42	13	55
	Phulbari				-	1	46		46	1	46	-	46	1	46	-	46
	Phulpur	2	109	22	131				-	1	45	10	55	3	154	32	186
	Trishal	2	90	15	105				-	-	-	-	-	2	90	15	105
Sub Total:		12	530	100	630	5	207	36	243	9	377	77	454	21	907	177	1,084
Sherpur	Jhenaigati	1	53	6	59				-	-	-	-	-	1	53	6	59
	Nakla				-	1	20	29	49	1	20	29	49	1	20	29	49
	Nalitabari	1	46	16	62	1	50		50	1	50	-	50	2	96	16	112
	Sherpur Sadar	2	80	16	96	1	45		45	2	91	-	91	4	171	16	187
Sub Total:		4	179	38	217	3	115	29	144	4	161	29	190	8	340	67	407
Mymensingh Zone Total		16	709	138	847	8	322	65	387	13	538	106	644	29	1,247	244	1,491
GRAND TOTAL:		48	2,178	375	2,553	35	1,454	220	1,674	95	3,733	899	4,632	143	5,911	1,274	7,185

Appendix 22. Technical Training of Briquette Shop Owners through September 2012

Districts	Upazilas	Year 1				July- September 2012				Year 2				Total Project to date			
		Batches	Participants			Batches	Participants			Batches	Participants			Batches	Participants		
			Male	Female	Total		Male	Female	Total		Male	Female	Total		Male	Female	Total
A. FTF Districts																	
Barisal	Sadar	4	129	11	140				-	1	36	2	38	5	165	13	178
Bhola	Sadar	-			-	1	31	3	34	2	78	8	86	2	78	8	86
Chuadanga	Sadar	-			-				-	1	37	2	39	1	37	2	39
Faridpur	Sadar	-			-				-	2	74	3	77	2	74	3	77
Gopalganj	Sadar	1	37	3	40				-	-	-	-	-	1	37	3	40
Jessore	Sadar	-			-				-	4	191	18	209	4	191	18	209
Jhenaidah	Sadar	-			-	1	37	-	37	2	85	4	89	2	85	4	89
Meherpur	Sadar					1	35	1	36	1	35	1	36	1	35	1	36
Satkhira	Sadar	-			-	1	29	3	32	2	63	10	73	2	63	10	73
FTF Districts Total:		5	166	14	180	4	132	7	139	15	599	48	647	20	765	62	827
B. Mymensingh Zone																	
Mymensingh	Sadar	3	122	-	122				-	1	37	3	40	4	159	3	162
Sherpur	Sadar	2	77	2	79				-	1	30	4	34	3	107	6	113
Mymensingh Zone Total		5	199	2	201	-	-	-	-	2	67	7	74	7	266	9	275
Grand Total:		10	365	16	381	4	132	7	139	17	666	55	721	27	1,031	71	1,102

Appendix 23. Workshop Training of Local Mechanic April-September 2012

Districts	Upazilas	April-June 2012				July-September 2012				Total Project			
		Batches	Participants			Batches	Participants			Batches	Participants		
			Male	Female	Total		Male	Female	Total		Male	Female	Total
A. FtF Districts													
Barisal	Sadar	1	17	-	17				-	1	17	-	17
Patuakhali	Sadar	1	15	-	15				-	1	15	-	15
Pirojpur	Sadar	1	18	-	18				-	1	18	-	18
Madaripur	Sadar					1	15		15	1	15	-	15
Shariatpur	Sadar					1	14		14	1	14	-	14
FtF Districts Total:		3	50	-	50	2	29	-	29	5	79	-	79

Appendix 24. Small Business Management and Accounting Training through September 2012

Districts	Upazilas	Year 1				July- September, 20 12				Year 2				Total Project to date			
		Batches	Participants			Batches	Participants			Batches	Participants			Batches	Participants		
			Male	Female	Total		Male	Female	Total		Male	Female	Total		Male	Female	Total
A. FTF Districts																	
Bagerhat	Sadar	1	21	0	21				-	-	-	-	-	1	21	-	21
Barguna	Sadar	1	22	0	22				-	-	-	-	-	1	22	-	22
Barisal	Sadar	3	52	1	53				-	-	-	-	-	3	52	1	53
Bhola	Sadar				-				-	2	50	10	60	2	50	10	60
Faridpur	Sadar				-				-	2	49	9	58	2	49	9	58
Gopalganj	Sadar	1	19	1	20				-	1	24	5	29	2	43	6	49
Jessore	Sadar				-	3	63	11	74	6	135	23	158	6	135	23	158
Jhenaidah	Sadar				-				-	3	71	13	84	3	71	13	84
Khulna	Dumuria				-	1	25	4	29	2	45	7	52	2	45	7	52
Madaripur	Sadar	1	20	1	21				-	-	-	-	-	1	20	1	21
Patuakhali	Sadar	1	20	2	22				-	-	-	-	-	1	20	2	22
Pirojpur	Sadar	1	21	4	25				-	-	-	-	-	1	21	4	25
Satkhira	Sadar				-				-	2	34	10	44	2	34	10	44
Shariatpur	Sadar	1	20		20				-	-	-	-	-	1	20	-	20
FTF Districts Total:		10	195	9	204	4	88	15	103	18	408	77	485	28	603	86	689
B. Mymensingh Zone																	
Mymensingh	Sadar	3	62	2	64	1	18	3	21	3	59	10	69	6	121	12	133
Sherpur	Sadar	2	40	0	40				-	1	31	5	36	3	71	5	76
Mymensingh Zone Total		5	102	2	104	1	18	3	21	4	90	15	105	9	192	17	209
Grand Total:		15	297	11	308	5	106	18	124	22	498	92	590	37	795	103	898

Appendix 25. Promotional Shows Through September 2012

Districts	Upazilas	Year 1				July - Sept. 2012				Total Year 2				Total Project to Date			
		Events	No. of Participants			Events	No. of Participants			Events	No. of Participants			Events	No. of Participants		
			Male	Female	Total		Male	Female	Total		Male	Female	Total		Male	Female	Total
A. FTF Districts																	
Barguna	Amtali				-	1	75	30	105	1	75	30	105	1	75	30	105
	Betagi	1	120	30	150				-	-	-	-	-	1	120	30	150
Sub Total:		1	120	30	150	1	75	30	105	1	75	30	105	2	195	60	255
Barisal	Babuganj	1	160	40	200				-	-	-	-	-	1	160	40	200
	Bakerganj	2	450	100	550	1	150	25	175	2	300	50	350	4	750	150	900
	Barisal Sadar	2	280	70	350				-	1	185	35	220	3	465	105	570
Sub Total:		5	890	210	1,100	1	150	25	175	3	485	85	570	8	1,375	295	1,670
Bhola	Bhola Sadar				-				-	1	500	50	550	1	500	50	550
	Burhanuddin				-				-	1	450	50	500	1	450	50	500
Sub Total:		-	-	-	-	-	-	-	-	2	950	100	1,050	2	950	100	1,050
Chuadanga	Alamdanga				-				-	3	625	138	763	3	625	138	763
	Chuadanga Sadar				-				-	2	376	80	456	2	376	80	456
	Damurhuda				-				-	2	375	65	440	2	375	65	440
	Jibannagar				-				-	2	405	58	463	2	405	58	463
Sub Total:		-	-	-	-	-	-	-	-	9	1,781	341	2,122	9	1,781	341	2,122
Faridpur	Alfadanga				-				-	1	150	30	180	1	150	30	180
	Bhanga				-				-	2	600	120	720	2	600	120	720
	Boalmari				-				-	2	1,200	225	1,425	2	1,200	225	1,425
	Madhukhali				-				-	1	200	50	250	1	200	50	250
	Sadarpur				-				-	1	200	30	230	1	200	30	230
Sub Total:		-	-	-	-	-	-	-	-	7	2,350	455	2,805	7	2,350	455	2,805
Gopalganj	Gopalganj Sadar	1	130	20	150				-	-	-	-	-	1	130	20	150
	Kashiani	1	150	50	200				-	-	-	-	-	1	150	50	200
	Kotalipara	1	350	50	400				-	-	-	-	-	1	350	50	400
Sub Total:		3	630	120	750	-	-	-	-	-	-	-	-	3	630	120	750
Jessore	Abhaynagar				-				-	1	200	30	230	1	200	30	230
	Bagherpara				-				-	3	750	150	900	3	750	150	900
	Chaugachha				-				-	1	250	40	290	1	250	40	290
	Jessore Sadar				-				-	5	2,600	450	3,050	5	2,600	450	3,050
	Jhikargachha				-				-	1	200	35	235	1	200	35	235
	Keshabpur				-				-	2	400	200	600	2	400	200	600
	Manirampur				-				-	1	245	45	290	1	245	45	290
	Sharsha				-	1	140	25	165	3	640	105	745	3	640	105	745
Sub Total:		-	-	-	-	1	140	25	165	17	5,285	1,055	6,340	17	5,285	1,055	6,340

Districts	Upazilas	Year 1				July - Sept. 2012				Total Year 2				Total Project to Date			
		Events	No. of Participants			Events	No. of Participants			Events	No. of Participants			Events	No. of Participants		
			Male	Female	Total		Male	Female	Total		Male	Female	Total		Male	Female	Total
Jhalakati	Jhalakati Sadar	1	300	-	300				-	-	-	-	1	300	-	300	
	Kathalia	1	100	50	150				-	-	-	-	1	100	50	150	
	Nalchity	1	500	20	520				-	-	-	-	1	500	20	520	
	Rajapur	1	400	-	400				-	-	-	-	1	400	-	400	
Sub Total:		4	1,300	70	1,370	-	-	-	-	-	-	-	4	1,300	70	1,370	
Jhenaidah	Harinakunda				-	1	220	60	280	5	1,240	320	1,560	5	1,240	320	1,560
	Jhenaidah Sadar				-				-	1	150	50	200	1	150	50	200
	Kaliganj				-				-	3	560	130	690	3	560	130	690
	Kotchandpur				-				-	2	300	60	360	2	300	60	360
	Maheshpur				-				-	3	530	154	684	3	530	154	684
	Shailkupa				-				-	1	300	50	350	1	300	50	350
Sub Total:		-	-	-	-	1	220	60	280	15	3,080	764	3,844	15	3,080	764	3,844
Khulna	Dighalia				-				-	1	200	32	232	1	200	32	232
	Dumuria				-				-	2	400	80	480	2	400	80	480
	Paikgachha				-	1	261	59	320	3	711	134	845	3	711	134	845
	Phultala				-				-	1	200	50	250	1	200	50	250
	Terokhada				-				-	1	212	32	244	1	212	32	244
Sub Total:		-	-	-	-	1	261	59	320	8	1,723	328	2,051	8	1,723	328	2,051
Madaripur	Kalkini	1	240	10	250				-	-	-	-	1	240	10	250	
Sub Total:		1	240	10	250	-	-	-	-	-	-	-	-	1	240	10	250
Magura	Magura Sadar				-				-	1	195	25	220	1	195	25	220
	Mohammadpur				-				-	2	350	55	405	2	350	55	405
	Shalikha				-				-	2	410	80	490	2	410	80	490
	Sreepur				-				-	3	460	90	550	3	460	90	550
Sub Total:		-	-	-	-	-	-	-	-	8	1,415	250	1,665	8	1,415	250	1,665
Meherpur	Gangni				-				-	1	180	50	230	1	180	50	230
	Meherpur Sadar				-				-	1	220	60	280	1	220	60	280
	Mujibnagar				-				-	1	200	40	240	1	200	40	240
Sub Total:		-	-	-	-	-	-	-	-	3	600	150	750	3	600	150	750
Patuakhali	Bauphal				-	1	180	40	220	1	180	40	220	1	180	40	220
	Galachipa	2	552	70	622				-	1	100	30	130	3	652	100	752
	Kalapara				-	1	234	3	237	1	234	3	237	1	234	3	237
	Patuakhali Sadar	1	350	50	400				-	-	-	-	-	1	350	50	400
Sub Total:		3	902	120	1,022	2	414	43	457	3	514	73	587	6	1,416	193	1,609
Pirojpur	Bhandaria				-				-	1	340	40	380	1	340	40	380
	Kawkhali	2	600	100	700				-	-	-	-	-	2	600	100	700
	Pirojpur Sadar	2	355	75	430				-	1	270	40	310	3	625	115	740
Sub Total:		4	955	175	1,130	-	-	-	-	2	610	80	690	6	1,565	255	1,820
Rajbari	Kalukhali				-				-	1	550	50	600	1	550	50	600
	Rajbari Sadar				-				-	1	200	50	250	1	200	50	250
Sub Total:		-	-	-	-	-	-	-	-	2	750	100	850	2	750	100	850

Districts	Upazilas	Year 1				July - Sept. 2012				Total Year 2				Total Project to Date			
		Events	No. of Participants			Events	No. of Participants			Events	No. of Participants			Events	No. of Participants		
			Male	Female	Total		Male	Female	Total		Male	Female	Total		Male	Female	Total
Satkhira	Debhata				-				-	1	213	32	245	1	213	32	245
	Kalaroa				-				-	1	150	34	184	1	150	34	184
	Kaliganj				-				-	2	2,500	200	2,700	2	2,500	200	2,700
	Satkhira Sadar				-				-	2	420	45	465	2	420	45	465
	Tala				-				-	1	150	20	170	1	150	20	170
Sub Total:		-	-	-	-	-	-	-	-	7	3,433	331	3,764	7	3,433	331	3,764
Shariatpur	Shariatpur Sadar	7	1,250	77	1,327				-	-	-	-	-	7	1,250	77	1,327
Sub Total:		7	1,250	77	1,327	-	-	-	-	-	-	-	-	7	1,250	77	1,327
FTF Zone Total		28	6,287	812	7,099	7	1,260	242	1,502	87	23,051	4,142	27,193	115	29,338	4,954	34,292
B. Mymensingh Zone																	
Mymensingh	Bhaluka				-	1	400	70	470	2	950	220	1,170	2	950	220	1,170
	Dhobaura	1	600	150	750				-	1	450	50	500	2	1,050	200	1,250
	Gaffargaon	9	5,185	375	5,560				-	2	1,152	237	1,389	11	6,337	612	6,949
	Gauripur	2	1,840	260	2,100				-	1	490	70	560	3	2,330	330	2,660
	Haluaghat	1	500	120	620				-	1	262	45	307	2	762	165	927
	Ishwarganj	1	300	50	350	1	450	150	600	2	900	300	1,200	3	1,200	350	1,550
	Muktagachha	1	350	50	400	1	477	37	514	2	1,007	84	1,091	3	1,357	134	1,491
	Mymensingh Sadar	2	1,400	470	1,870				-	2	240	50	290	4	1,640	520	2,160
	Nandail	1	450	30	480	1	185	20	205	2	865	40	905	3	1,315	70	1,385
	Phulbari	2	1,600	350	1,950				-	2	730	190	920	4	2,330	540	2,870
	Phulpur	2	530	120	650	1	321	32	353	3	1,092	294	1,386	5	1,622	414	2,036
	Trishal	3	2,450	300	2,750				-	3	415	145	560	6	2,865	445	3,310
Sub Total:		25	15,205	2,275	17,480	5	1,833	309	2,142	23	8,553	1,725	10,278	48	23,758	4,000	27,758
Sherpur	Jhenaigati	-	-	-	-				-	1	250	50	300	1	250	50	300
	Nakla	1	550	150	700				-	2	560	95	655	3	1,110	245	1,355
	Nalitabari	3	1,643	212	1,855				-	1	400	50	450	4	2,043	262	2,305
	Sherpur Sadar	1	300	50	350				-	-	-	-	-	1	300	50	350
	Sreebardi	-	-	-	-				-	1	400	10	410	1	400	10	410
Sub Total:		5	2,493	412	2,905	-	-	-	-	5	1,610	205	1,815	10	4,103	617	4,720
Mymensingh Zone Total		30	17,698	2,687	20,385	5	1,833	309	2,142	28	10,163	1,930	12,093	58	27,861	4,617	32,478
GRAND TOTAL:		58	23,985	3,499	27,484	12	3,093	551	3,644	115	33,214	6,072	39,286	173	57,199	9,571	66,770

Appendix 26. Statement of Promotional Materials Procured and Distributed by the Project

Sl. #	Description of Material	Year 1 and 2: 2010-2012			Present Quarter July-September, 2012)					
		Purchased	Distributed	Closing Balance	Purchased	Distributed	Closing Balance			Total
							Dhaka Office	Barisal Office	Jessore Office	
1	Training Bag: DAE Official	6,754	5,549	1,205	500	175	398	807	-	1,205
2	Workshop Bag: Stakeholder	3,290	3,275	15	-	-	5	10	-	15
3	Training Bag: Business	800	706	94	-	32	29	-	65	94
4	Cap	33,600	29,349	4,251	3,500	2,496	3,479	-	772	4,251
5	T-Shirt	30,260	26,001	4,259	3,500	2,089	3,438	-	821	4,259
6	Project Profile: Bangla	28,000	21,712	6,288	5,000	3,045	3,643	2,228	417	6,288
7	Project Profile: English	4,000	1,794	2,206	1,000	-	531	1,095	580	2,206
8	Leaflet	285,000	193,355	91,645	100,000	10,290	16,905	22,885	51,855	91,645
9	Flip Chart	5,510	4,974	536	-	129	234	115	187	536
10	Farmer Brochure	431,000	295,251	135,749	215,000	81,588	1,07,304	20,650	7,795	1,35,749
11	Fabric Bag (YELLOW)	28,850	23,090	5,760	2,750	4,708	3,496	855	1,409	5,760
12	Tree Signboard	14,175	14,175	-	-	-	-	-	-	-
13	AWD	200	186	14	-	-	14	-	-	14
14	Briquette Machine owner training Bag:	1,530	1,340	190	114	92	190	-	-	190
15	Signboard for Guti Urea Block 36"x50"	2,260	2,260	-	677	677	-	-	-	-
16	Signboard for Demo 2.5'x2'	1,230	1,230	-	128	128	-	-	-	-
17	Signboard for NPK demo 2.5'x2'	60	60	-	-	-	-	-	-	-
18	Signboard for NPK trial 2.5'x2'	116	116	-	-	-	-	-	-	-
19	Sign for Gura Urea (7"x11")	1,483	1,483	-	152	152	-	-	-	-
20	Sign for Guti Urea (7"x11")	1,480	1,480	-	148	148	-	-	-	-
21	Sign 2.4 gram NPK 7"x11" 0.62:0.13:0.33	103	103	-	1	1	-	-	-	-
22	Sign 3.4 gram NPK 7"x11" 0.44:0.16:0.50	254	254	-	1	1	-	-	-	-
23	Sign NPK Guti 7"x11"	111	111	-	2	2	-	-	-	-
24	Sign 3.4 gram NPK 7"x11" 0.91:0.24:0.35	85	85	-	1	1	-	-	-	-
25	Sign 2.4 gram NPK 7"x11" 0.70:0.16:0.20	104	104	-	1	1	-	-	-	-
26	Sign 3.4 gram NPK 7"x11" 1.23:0.14:0.15	58	58	-	-	-	-	-	-	-
27	Signboard for Applicator Demo 2.5'x2'	120	120	-	-	-	-	-	-	-
28	Signboard for AWD Demo 2.5'x2'	28	27	1	1	1	1	-	-	1
29	Sign 3.4 gram NPK 7"x11" 0.97:0.13:45	12	12	-	-	-	-	-	-	-
30	Sign 2.4 gram NPK 7"x11" 0.69:0.13:33	62	62	-	-	-	-	-	-	-
31	Briquette shop Sign (3'x7')	529	529	-	70	70	-	-	-	-
32	Indicator Sign	528	528	-	70	70	-	-	-	-
33	Sign for Rickshaw (10"x15")	9,845	9,845	-	-	-	-	-	-	-
34	Poster	25,500	22,022	3,478	-	107	2,019	718	741	3,478
35	AWD Brochure	17,000	15,436	1,564	-	480	1,211	-	353	1,564
36	NPK Leaflet	10,000	8,744	1,256	-	20	321	935	-	1,256
37	Applicator Leaflet	15,000	9,456	5,544	-	51	4,044	50	1,450	5,544
38	Bill Board	5	5	-	-	5	-	-	-	-

Sl. #	Description of Material	Year 1 and 2: 2010-2012			Present Quarter July-September, 2012)					
		Purchased	Distributed	Closing Balance	Purchased	Distributed	Closing Balance			Total
							Dhaka Office	Barisal Office	Jessore Office	
39	PVC Calendar	1,820	1,820	-	-	7	-	-	-	-
40	Applicator	686	673	13	501	488	-	13	-	13
41	Yellow FLAG	119,220	93,317	25,903	40,020	34,250	4,327	7,681	13,895	25,903
42	Umbrella	300	196	104	-	86	73	-	31	104
43	Booklet (Different Crops)	12,000	7,024	4,976	5,000	597	2,259	1,288	1,429	4,976
44	Writing Pad	18,130	15,287	2,843	-	3,704	2,240	314	289	2,843
45	Special Ball Pen	18,750	15,967	2,783	-	3,830	2,054	236	493	2,783
46	Folder	20,000	11,954	8,046	5,000	3,678	7,149	489	408	8,046
47	Sign for 'nv†Z jvMv†bv ,wUÖ (7"x11")	87	87	-	11	11	-	-	-	-
48	Sign for 'Gwcø†KU†i jvMv†bv ,wUÖ (7"x11")	96	96	-	20	20	-	-	-	-
49	Sign 2.4 gram NPK 7"x11" 69:13:25	-	-	-	-	-	-	-	-	-
50	Sign 3.4 gram NPK 7"x11" 123:14:25	20	20	-	-	-	-	-	-	-
51	Sign for ',ov BDwiqv K...IK c×wZÖ (7"x11")	79	79	-	33	33	-	-	-	-
52	Sign for ',ov BDwiqv mycvwikK...ZÖ (7"x11")	80	80	-	34	34	-	-	-	-
53	Sign for ',wU BDwiqv mycvwikK...Z 2.7 MÖvg 1wU ,wUÖ (7"x11")	47	47	-	18	18	-	-	-	-
54	Sign for 'Gbwc†K ,wU 3.4 MÖvg 1wU (5.66:1.0:3.66)Ö (7"x11")	29	29	-	1	1	-	-	-	-
55	Sign for 'Gbwc†K ,wU 3.4 MÖvg 2wU (5.66:1.0:3.66)Ö (7"x11")	30	30	-	3	3	-	-	-	-
56	Sign for Applicator Trial (2"x.2.5")	3	3	-	3	3	-	-	-	-
57	Signboard for Trial Plots 2.5'x2'	3	3	-	3	3	-	-	-	-

Appendix 27. Newspaper and Television Reports, News and Publicity, July-September 2012

A. Print Media

No.	News Heading	News Paper	Date	Remark
(i) National Newspaper				
1.	Workshop held in Khulna	The Daily Independent	01-07-12	Hard Copy
2.	Khulnai Gut urea bishoyok media campaign	The Daily Janakantha	01-07-12	Hard Copy
3.	Feed The Future' Markin protinidhi doler dakkhinanchal sofor	The Daily Janakantha	02-08-12	Hard Copy
4.	Unplanned expansion of groundwater irrigation created arsenicosis: Matia	Bangladesh Sangbad Sangstha	05-08-12	http://unbconnect.com/component/news/task-show/id-84343
5.	Develop tech to ease farmers' lives: minister	The Daily Star	06-08-12	http://www.thedailystar.net/newDesign/news-details.php?nid=245018
6.	Setting up unplanned deep tubewells causes alarming arsenic intrusion	The Financial Express	06-08-12	Hard Copy
7.	Matia calls IFDC to invent balanced fertilizer package	Bangladesh Sangbad Sangstha	06-08-12	http://www1.bssnews.net/newsDetails.php?cat=0&id=270162&date=2012-08-05
8.	Gouripur-e jomite Gut urea sarer bebohar barche	The Daily Jugantar	24-08-12	Hard Copy
9.	Gouripur-e jomite Gut urea sarer bebohar barche	The Daily Ittefaq	27-08-12	Hard Copy
10.	Trishale math dibos palito	The Daily Janakantha	29-08-12	Hard Copy
11.	USAID-er dui kormokorta Dhakai	The Daily Janakantha	30-08-12	Hard Copy
12.	USAID'r sohayota 580 koti dollar Obamar khaddo nirapotta kormosuchi poridorosone USA kormokortara	The Daily Kaler Kantho	06-09-12	http://www.dailykalerkantho.com/index.php?view=details&type=gold&data=Entertainment&archie=yes&arch_date=06-09-2012&pub_no=994&cat_id=1&menu_id=24&news_type_id=1&news_id=282563
13.	Guti urear rani Juli	The Daily Kaler Kantho	17-09-12	http://www.kalerkantho.com/index.php?view=details&type=gold&data=Emirates&pub_no=1005&cat_id=1&menu_id=56&news_type_id=1&index=4

No.	News Heading	News Paper	Date	Remark
(ii) Local Newspaper				
1.	<i>Guti</i> urea bishoyok media campaign onusthito	The Daily Tathya	01-07-12	Hard Copy
2.	<i>Guti</i> urea bishoyok media campaign onusthito	The Dakkhinanchal Protidin	01-07-12	Hard Copy
3.	Barisal-e 306 krishok purosrito	The Daily Barisal Protidin	10-07-12	Hard Copy
4.	Krishi khetre sofolotai <i>Guti</i> urea utpadok o bebohar karider majhe purosakar bitoron	The Daily Desh-Janapad	10-07-12	Hard Copy
5.	Talar Islankathi-te Dipto Sonsthar ayojone 80jon krishoker majhe <i>Guti</i> urea bitoron	The Daily Kafela	14-07-12	Hard Copy
6.	<i>Guti</i> urea proyog projukti Shosso Kartan O Matha Dibosh	Barisal Protidin	01-08-12	Hard Copy
7.	Bakergonj-e krishokder shosso kartan o math dibosh palito	The Daily Dakkhinanchal	01-08-12	Hard Copy
8.	Bakergonj-e krishokder shosso kartan o math dibosh palito	The Daily Barisal Vorer Alo	01-08-12	Hard Copy
9.	Volar veduriai <i>Guti</i> urear utpadoner udbodhon	The Daily Banglar Kantha	01-08-12	Hard Copy
10.	Volar Veduriai <i>Guti</i> urear utpadoner udbodhon	The Daily Barisal Vorer Alo	02-08-12	Hard Copy
11.	Goveer nolkup sthapone oniomer fole arsenic dushon barche: Krishi Montri	The Daily Sokaler Khobor	06-08-12	Hard Copy
12.	Volai <i>Guti</i> urea bishoyok krishok proshikkhon onusthito	The Daily Dakkhinanchal	08-08-12	Hard Copy
13.	<i>Guti</i> urea bebohare Aus-e khoroch kom, utpadon proti hectare der ton beshi	The Daily Rupantar	15-08-12	Hard Copy
14.	Jhalokathite <i>Guti</i> urea proyog projuktir upor math shosso korton o math dibosh onusthito	The Daily Poriborton	28-08-12	Hard Copy
15.	Mothbariai shosso korton o math dibosh onusthito	The Daily Dakkhinanchal	29-08-12	Hard Copy
16.	Mothbariai <i>Guti</i> urea proyog projukti shosso korton o math dibosh onusthito	The Daily Sattya Sangbad	29-08-12	Hard Copy
17.	Mothbariai math dibosh	The Daily Shahnama	29-08-12	Hard Copy
18.	Mothbariai shosso korton o math dibosh onusthito	The Aiker Poriborton	29-08-12	Hard Copy
19.	Mothbariai <i>Guti</i> urea proyog projukti shosso korton o math dibosh onusthito	The Daily Vorer Ongikar	29-08-12	Hard Copy
20.	Trishale sosso korton o math dibos palito	The Daily Jahan	29-08-12	Hard Copy
21.	Ptuakhalir Bol-vpure <i>Guti</i> urea proyog projukti math dibosh onusthito	The Daily Rupantar	30-08-12	Hard Copy
22.	Phulbariai <i>Guti</i> urear sossho korton o math dibosh	The Weekly Fulkhori	03-09-12	Hard Copy
23.	Potuakhalite NPK <i>Guti</i> karjokarita shirshok shosso	The Daily Rupantar	04-09-12	Hard Copy

No.	News Heading	News Paper	Date	Remark
	korton o math dibosh onusthito			
24.	NPK briquette sare folonm bare	The Daily Sattya Sangbad	05-09-12	Hard Copy
25.	Joyar vatai plabito elakai <i>Aus</i> moushume odhik dhaan hobe	The Daily Matabad	05-09-12	Hard Copy
26.	<i>Aus</i> Dhaan utpadone folon barabe NPK briquette saar	The Daily Barisal Bhorer Alo	05-09-12	Hard Copy
27.	Phulbariai <i>Guti</i> urear sossho korton o math dibosh	The Dailu Shadesh Songbad	06-09-12	Hard Copy
28.	Gouripur-e shosso korton o math dibosh onusthito	The Daily Matabad	12-09-12	Hard Copy
29.	Math Dibosh	The Daily Samakal	15-09-12	Hard Copy
30.	Muktagachai <i>Guti</i> urea proyoge krishok porjaye sofolota	The Daily Janata	24-09-12	Hard Copy
31.	Muktagachai <i>Guti</i> urea proyoge krishok porjaye sofolota	The Daily Jahan	25-09-12	Hard Copy
32.	Muktagachai <i>Guti</i> urea proyoge sofolota	The Daily Bhorer Dak	25-09-12	Hard Copy
33.	Muktagachai krishokder majhe <i>Guti</i> urear chahida barche	The Daily Songbad	28-09-12	Hard Copy

B. Electronic Media

	Title/Content	Name of Channel	Date
1.	Telecast a program on Media Workshop of Khulna	*BTV *Channel i *Boishakhi TV *NTV	July 07, 2012
2.	Telecast a special report on Barisal event	BTV	July 17, 2012
3.	Telecast a program on Applicator Distribution	*BTV *Channel i *Desh TV *Digonto TV	August 05, 2012
4.	Telecast a special news on award giving ceremony	BTV	August 08, 2012
5.	Telecast a special report on Applicator Development	BTV	August 09, 2012
6.	Telecast a report in news on Barisal and Mymensing Event	BTV	August 09, 2012
7.	Telecast a news on field day (in Trishal)	MyTV	August 30, 2012
8.	Telecast farmers interview	Channel i	August 30, 2012

Appendix 28. Graphs of Ammonium N Concentrations in Flood Water After Applications of Urea From Various Sources

Data from BRR

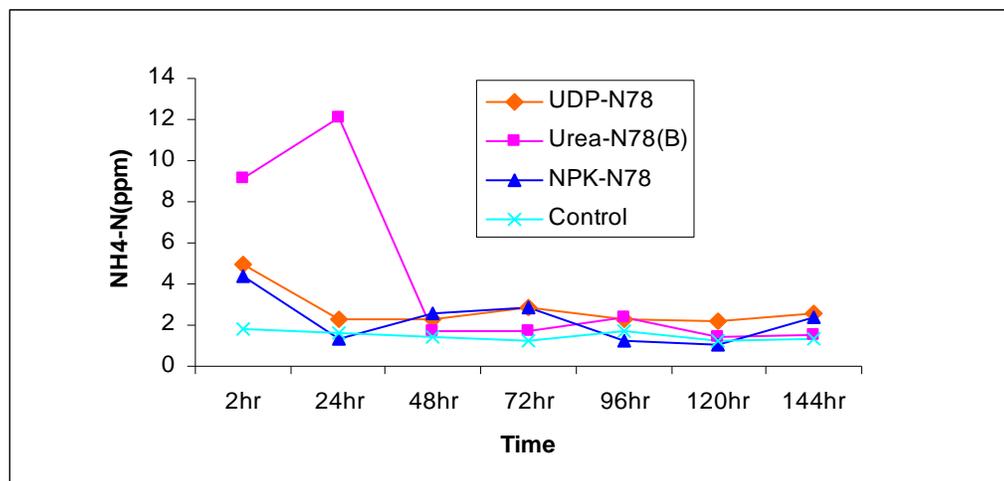


Figure 1. NH₄-N Content in Floodwater Under AWD After Application of Different N-Sources at 78 kg N/ha Rate

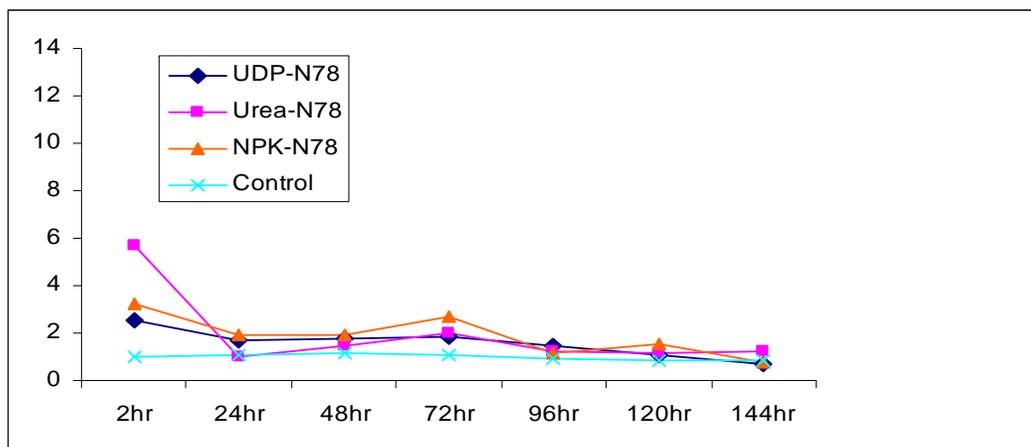


Figure 2. NH₄-N Content in Floodwater Under CSW After Application of Different N-Sources at 78 kg N/ha Rate

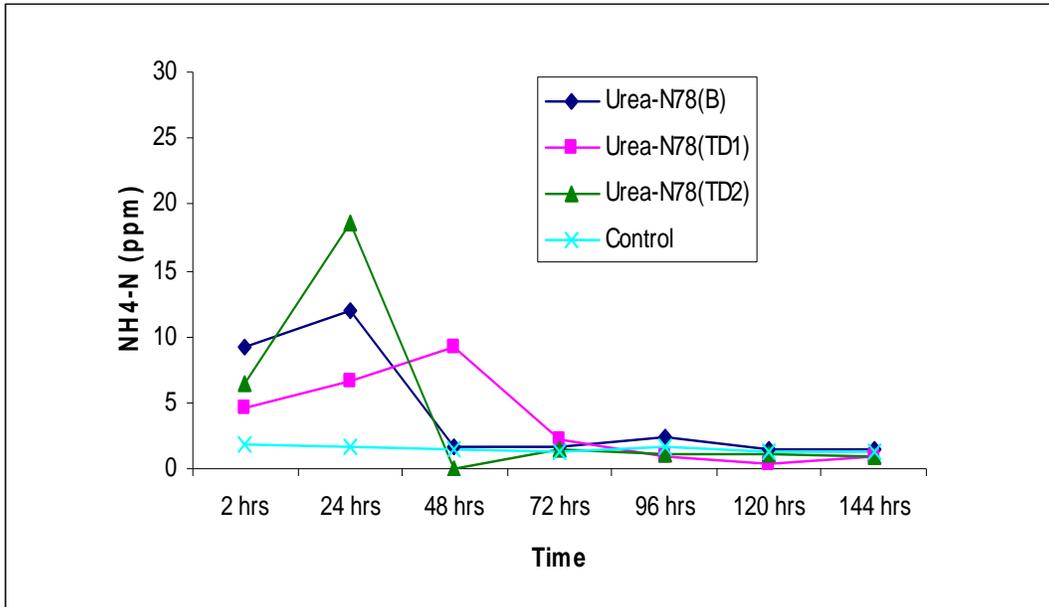


Figure 3. NH₄-N Content in Floodwater of Basal and Topdress of Urea Application at 78 kg N/ha with Times Under AWD Condition

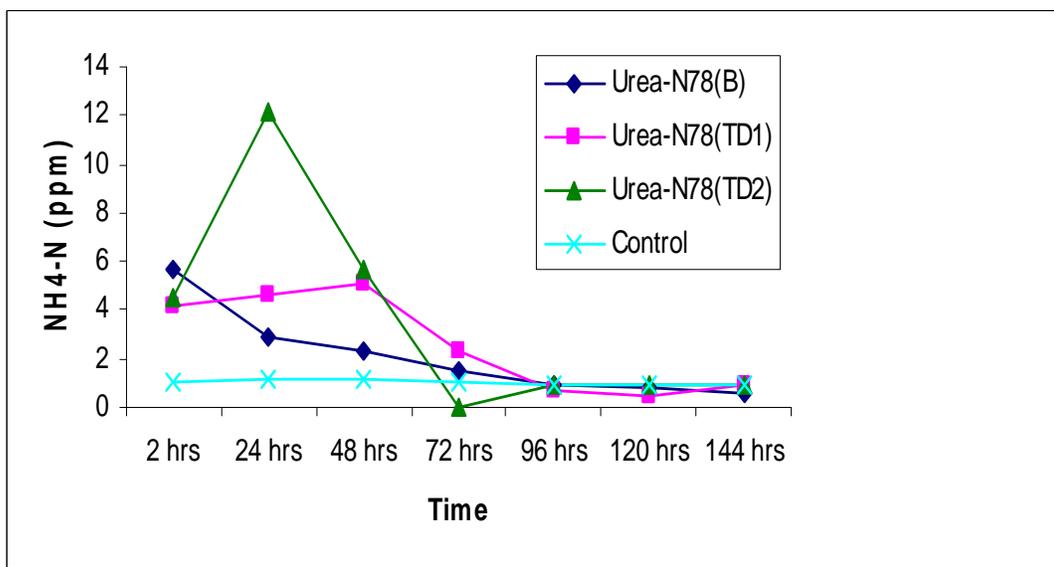


Figure 4. NH₄-N Content in Floodwater of Basal and Topdress of Urea Application at 78 kg N/ha with Times Under CSW

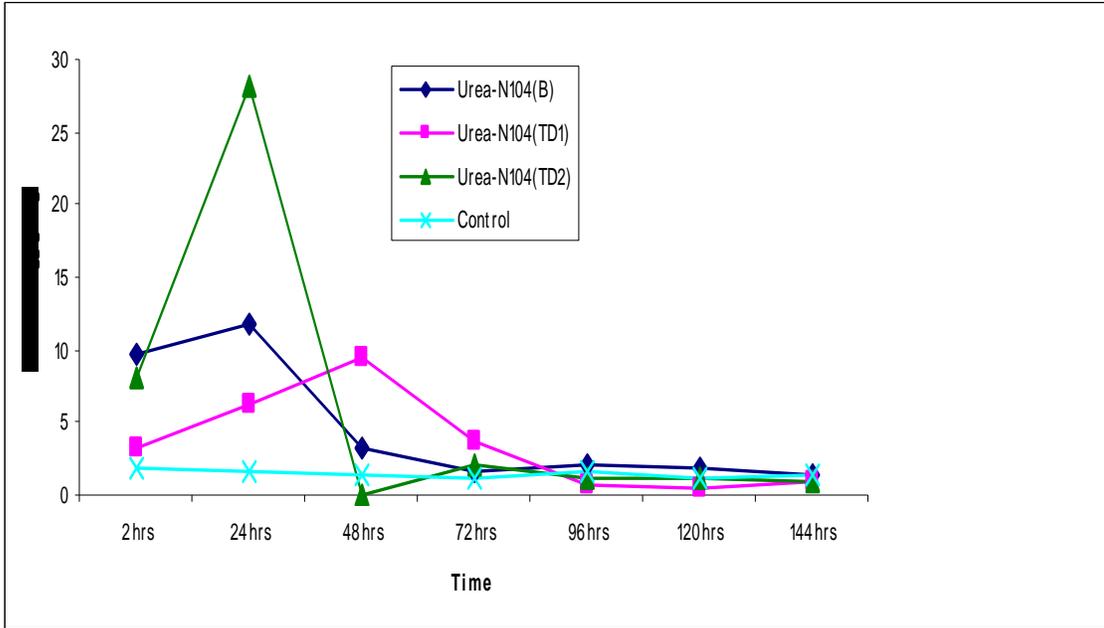


Figure 5. $\text{NH}_4\text{-N}$ Content in Floodwater of Basal and Topdress of Urea Application at 104 kg N/ha with Times Under AWD Condition

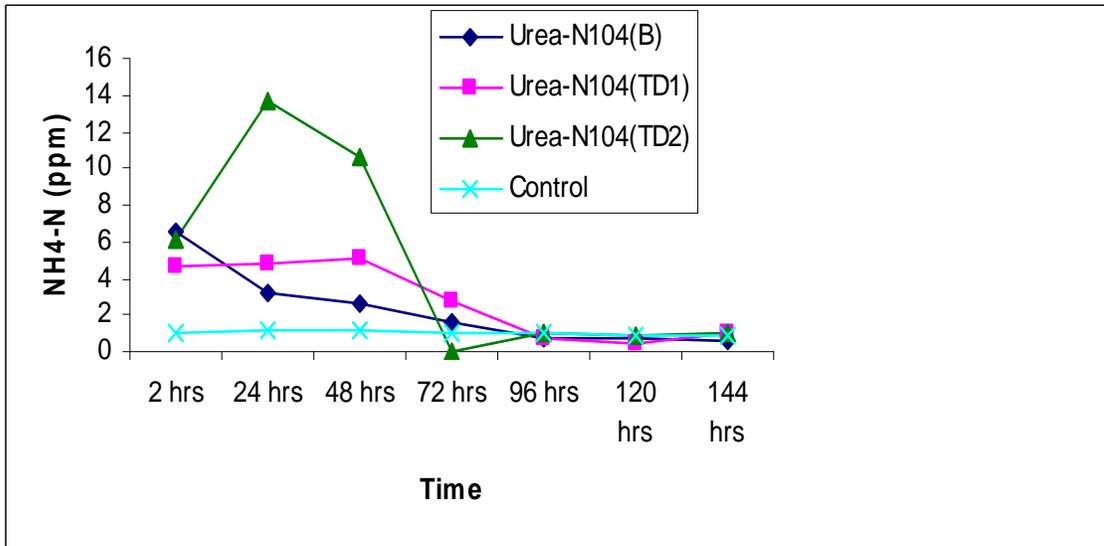


Figure 6. $\text{NH}_4\text{-N}$ Content in Floodwater of Basal and Topdress of Urea Application at 104 kg N/ha with Times Under CSW

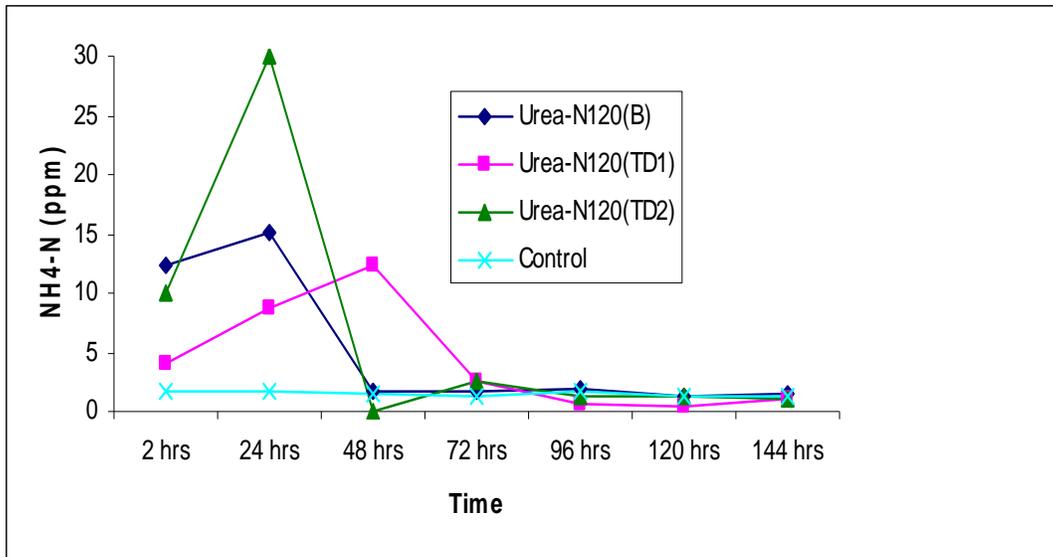


Figure 7. NH₄-N Content in Floodwater of Basal and Topdress of Urea Application at 120 kg N/ha with Times Under AWD Condition

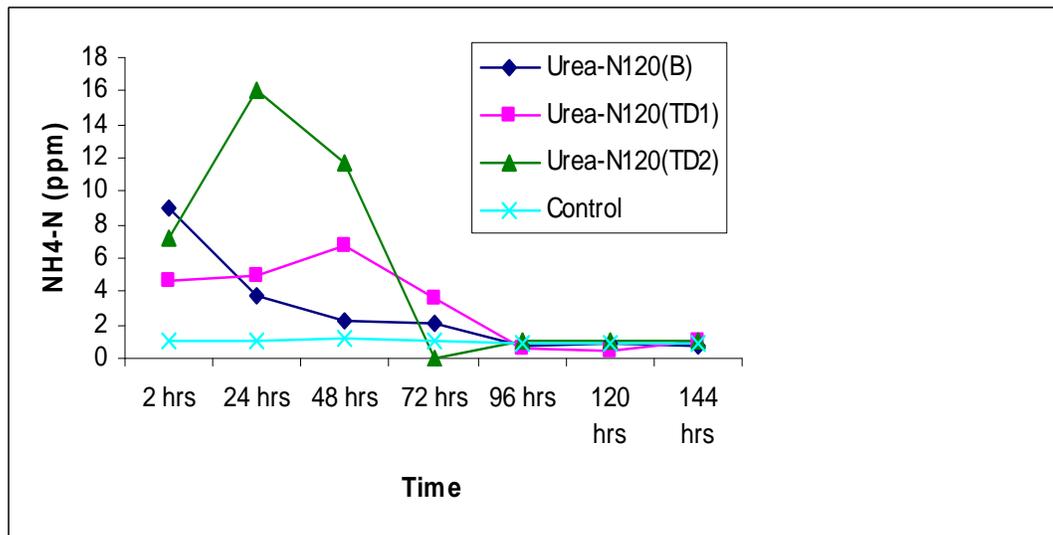


Figure 8. NH₄-N Content in Floodwater of Basal and Topdress of Urea Application at 120 kg N/ha with Times Under CSW

Data from BAU

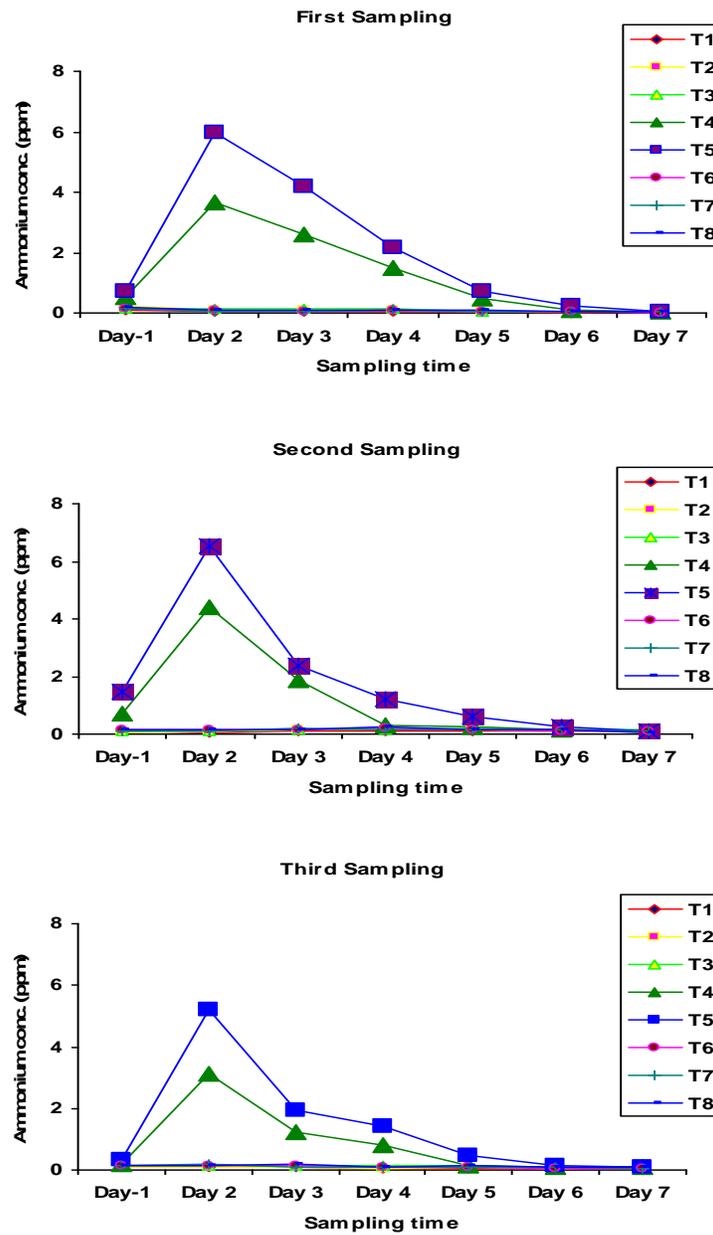


Figure 1. Ammonium Concentration in Water in Different Treatment in Continuous Irrigated Plots

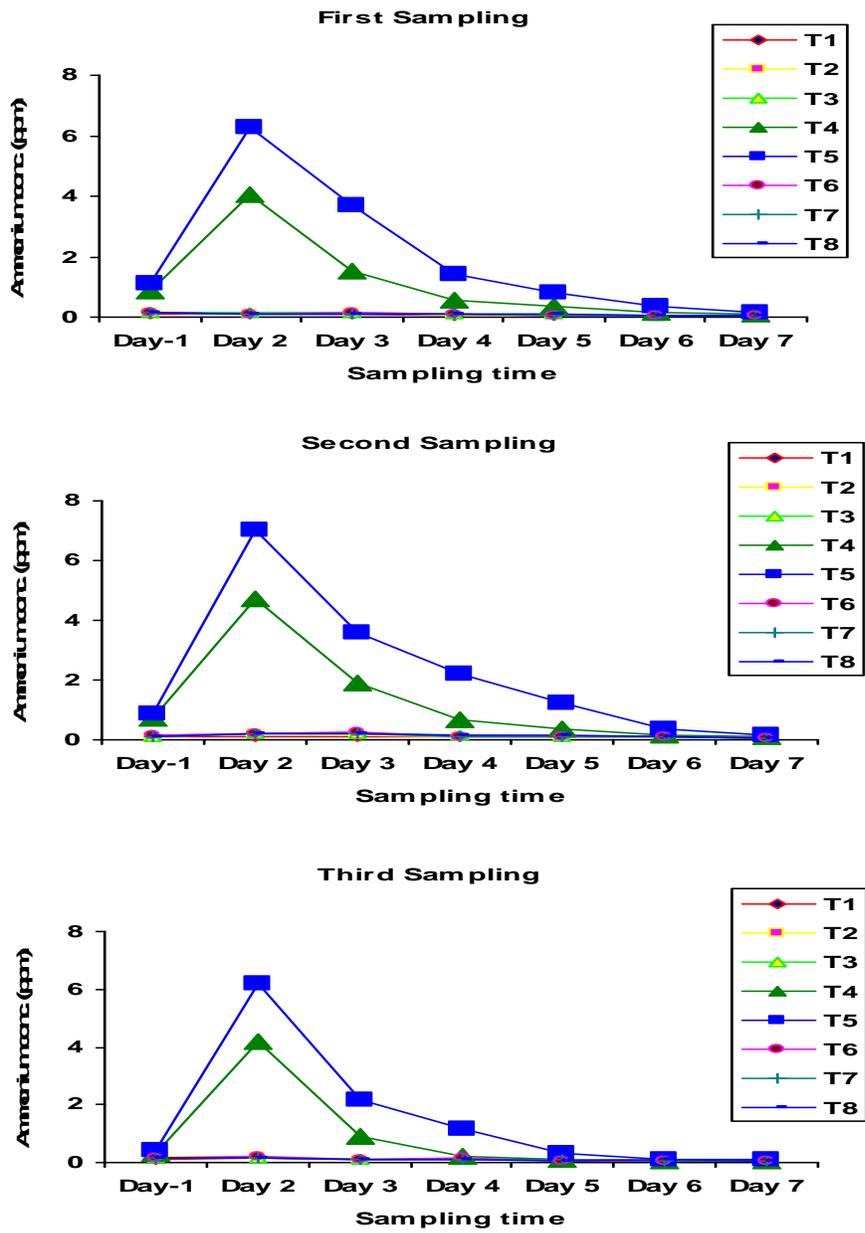


Figure 2. Ammonium-N Concentration in Water in Different Treatment in Reduced Irrigated Plots



USAID
FROM THE AMERICAN PEOPLE



Accelerating Agriculture Productivity Improvement (AAPI)
Cooperative Agreement Number AID 388-A-10-00002

**Certification Sheets on
Feed the Future (FtF) Result Indicators**

October 2011 – September 2012

Submitted to

USAID-Bangladesh

by

International Fertilizer Development Center

**P.O. Box 2040
Muscle Shoals, Alabama 35662, U.S.A.**

www.ifdc.org

October 2012

Disclaimer: The author's views expressed in this document do not necessarily reflect views of the United States Agency for International Development or the U.S. Government.

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SPS LOCATION: Program Area 4.5: Agriculture INITIATIVE AFFILIATION: FTF – IR 1: Improved Agricultural Productivity	
INDICATOR TITLE: 4.5-4 Gross margin per unit of land, kilogram, or animal of selected product (crops/animals/fisheries selected varies by country) (RiA)	
<p>DEFINITION:</p> <p>The gross margin is the difference between the total value of production of the agricultural product (crop, milk, eggs, fish) and the cost of producing that item, divided by the total number of units in production (hectares of crops, number of animals for milk, eggs; pond area in hectares or crate count for aquaculture). Gross margin per hectare, per animal, or per crate, is a measure of net income for that farm/livestock/fisheries-use activity. Input costs included should be those significant cash costs that can be easily ascertained. Attention should be focused on accounting for cash costs that represent at least 5% of total cash costs. Most likely items are: purchased water, fuel, electricity, seed, feed or fish meal, fertilizer, pesticides, hired labor, hired enforcement, and hired machine/veterinary services. Capital investments and depreciation do not need to be included in cash costs. Unpaid, family labor does not have to be valued and included in costs.</p> <p>Gross margin is calculated from 5 data points: 1) Hectares planted (for crops); Number of animals (for milk, eggs); or Area (ha) of ponds or Number of crates (for fish), 2) Total Production during reporting period, 3) Value of Sales (USD) during reporting period, 4) Quantity of Sales during reporting period, and 5) Purchased input costs during reporting period (report only those costs that are at least 5% of total cost).</p> <p>Average price = value of sales divided by quantity of sales Gross revenue = average price x total production Net revenue = gross revenue - purchased input cost Gross margin (per ha, per animal, per pond area, per crate) = net revenue divided by area planted/in production (for crops, ponds), by animals (for milk, eggs); by crates (marine aquaculture)</p> <p>Reporting includes current-year results for 1) new beneficiaries and 2) beneficiaries who have benefited in previous years from this same USG assistance and continued to benefit during the reporting year (continuing). Reporting all data points (Area/Animal/Crate, Production, Quantity of Sales, Value of Sales, and Purchased Input Cost) is critical to the ability to aggregate results across missions.</p>	
<p>RATIONALE:</p> <p>Improving the gross margin for farm commodities contributes to increasing agricultural GDP, will increase income, and thus directly contribute to the IR of improving production and the goal indicator of reducing poverty. Gross margin of fisheries is an appropriate measure of the productivity of a fishery and the impacts of fisheries management interventions.</p>	
<p>UNIT: dollars/hectare (crops, aquaculture in ponds); dollars/animal (milk, eggs); or dollars/crate (aquaculture in crates) <i>Note: See FTF System Note under Measurement Notes below. Convert local currency to USD by using an average of the market foreign exchange rate for the reporting period</i></p>	<p>DISAGGREGATE BY: Targeted commodity (type of crop, type of animal, or type of fish – freshwater or marine) Sex of farmer: Male, Female</p>
<p>TYPE: Outcome</p>	<p>DIRECTION OF CHANGE: Higher is better</p>
<p>DATA SOURCE: Implementing partners</p>	
<p>MEASUREMENT NOTES:</p> <p>In addition, a sixth data element – water consumption in cubic meters – can be reported in order to calculate water productivity, which is important in irrigated areas. Reporting this sixth data point in addition to the five data points used for Gross Margin allows for the calculation of water productivity.</p> <p><i>FTF System Note: Simply enter the 5 data points into the FTF Monitoring System (FTFMS), and it will do the calculation of gross margin automatically. This calculation cannot be done without all 5 data points. Adding the 6th data point will also enable the system to automatically calculate water productivity.</i></p> <ul style="list-style-type: none"> ➤ LEVEL of COLLECTION: Project-level, in targeted commodities/fisheries/livestock product ➤ DATA FOR THIS INDICATOR: Implementing partners ➤ HOW SHOULD IT BE COLLECTED: Farmer/fisher/rancher surveys, data collection through producer organizations, standardized group questionnaires, farm records ➤ FREQUENCY of COLLECTION: Annually. 	

PERFORMANCE INDICATOR VALUES						
4.5-4 Gross margin per unit of land, kilogram, or animal of selected product (crops/animals/fisheries selected varies by country)						
	October 2011- September 2012			October 2010- September 2012		
Disaggregation						
Rain-fed areas	\$/ha			\$/ha		
	Aggregate	FTF*	M&S*	Aggregate	FTF	M&S
-- Type of Crop	Aman '11			Aman '11		
1. Paddy	584	569	596	584	569	596
	Boro '12			Boro '12		
	412	414	432	412	414	432
	Aus '12			Aus '12		
	-12	-8	-112	-12	-8	-112

*FTF-Feed the Future Districts

*M&S –Mymensingh & Sherpur Districts

AAPI Definition:

AAPI started Gross Margin Survey from Aman 2011, where AAPI calculated gross margin per hectare in US\$ for farmers who produced rice with urea deep placement (UDP) technology. AAPI used the same definition for calculating the gross margin as defined by USAID, which is the difference between the total value of sales of the agricultural product (rice) and the cost of producing that item excluding family labor, divided by the total number of units (hectares of rice) in production. The cost of rent paid has been considered for only those farmers who have paid rent for land. Gross margin per hectare, for rice, is a measure of net income for that farm activity.

Gross margin is calculated from:

- (i) Sample survey of farmers by analyzing cost of production and revenue earned on sale of paddy produced on land with UDP technology.

Name of the Implementing Partner	Date of Data Verification and Certification
IFDC (AAPI)	I hereby certify that the data reported in this document are correct and that there is documentation in the file in support of these data. We have used the official definitions for the indicators as described in the Feed the Future Indicators Handbook. The data reported can be traced back to the to the field level and can be adequately verified.
	----- Chief of Party Signature and Date:

Note: Mention N/A if the indicator is not applicable to your program.

SPS LOCATION: Program Area 4.5: Agriculture INITIATIVE AFFILIATION: FTF – IR4: Increased employment opportunities in targeted value chains	
INDICATOR TITLE: 4.5-2 Number of jobs attributed to FTF implementation (RiA)	
<p><i>DEFINITION:</i> Jobs are all types of employment opportunities created during the reporting year in agriculture- or rural-related enterprises (including paid on-farm/fishery employment). Jobs lasting less than one month are not counted in order to emphasize those jobs that provide more stability through length. Jobs should be converted to full-time equivalents. Thus a job that lasts 4 months should be counted as 1/3 FTE. Number of hours worked per day or per week is not restricted as work hours may vary greatly. “Attributed to FTF implementation” includes farming and non-farm jobs where FTF investments were intentional in assisting in any way to expand (or contract) jobs and where a program objective of the FTF investment was job creation.</p>	
<p><i>RATIONALE:</i> This is a direct measure of improved livelihoods, as it measures creation of employment and related income. However, FTF is concerned about creation of sustainable employment, not temporary employment (of short duration such as a period of less than one month).</p>	
<p><i>UNIT:</i> FTEs</p>	<p><i>DISAGGREGATE BY:</i> Location: Urban, rural Duration: New, Continuing: --New= this is the first time the person holds a job created by FTF --Continuing = the person continues to hold a job from a previous fiscal year created by FTF Sex of job-holder: Male, Female (if one FTE is split by a male and a female, then it would be 0.5 FTE for females and 0.5 FTE for males)</p>
<p><i>TYPE:</i> Outcome</p>	<p><i>DIRECTION OF CHANGE:</i> Higher is better</p>
<p><i>DATA SOURCE:</i> Implementing partner records</p>	
<p><i>MEASUREMENT NOTES:</i></p> <ul style="list-style-type: none"> ➤ LEVEL of COLLECTION: Only at the project-level, attributed to USG programs ➤ WHO COLLECTS DATA FOR THIS INDICATOR: Implementing partners ➤ HOW SHOULD IT BE COLLECTED: Through census or sampling of participating firms/farms, depending on size; firm/farm records ➤ FREQUENCY of COLLECTION: Annual 	

PERFORMANCE INDICATOR VALUES						
	4.5-2 Number of jobs attributed to FTF implementation					
	October, 2011- September, 2012			October, 2010- September, 2012		
	Aggregate	FtF	M&S	Aggregate	FtF	M&S
Disaggregation						
Sex of job-holder						
Aggregate						
1.Rural						
Aggregate	955	849	107	1,382	1,051	331
New	955	849	107	956	849	107
Continuing				426	202	224
Male						
1.Rural						
Aggregate	938	833	106	1,358	1,031	328
New	938	833	106	938	833	106
Continuing				420	198	222
Female						
1.Rural						
Aggregate	17	16	1	23	20	3
New	17	16	1	17	16	1
Continuing				6	4	2

*FTF-Feed the Future Districts

*M&S –Mymensingh & Sherpur Districts

AAPI Definition: AAPI has calculated jobs created at urea briquette machine shops. AAPI has used the same definition for calculating the number of jobs as defined by USAID. A census has been conducted during April 2012, on job creation from all the briquette producers (593-upto March 31 2012) from where it has been found that on average briquette machine shops are employing about 1.67 persons per year. We are using this number multiplied with the number of entrepreneurs to compute number of jobs.

Name of the Implementing Partner	Date of Data Verification and Certification
IFDC (AAPI)	I hereby certify that the data reported in this document are correct and that there is documentation in the file in support of these data. We have used the official definitions for the indicators as described in the Feed the Future Indicators Handbook. The data reported can be traced back to the to the field level and can be adequately verified.
	----- Chief of Party Signature and Date:

Note: Mention N/A if the indicator is not applicable to your program.

SPS LOCATION: Program Element 4.5.2: Agricultural Sector Productivity INITIATIVE AFFILIATION: FTF – IR 1: Improved Agricultural Productivity / Sub IR 1.2: Enhanced Technology Development, Dissemination, Management and Innovation	
INDICATOR TITLE: 4.5.2-2 Number of hectares under improved technologies or management practices as a result of USG assistance (RIA) (WOG)	
DEFINITION: <p>This indicator measures the new and continuing area (in hectares) of land under new technology during the current reporting year. Any technology that was first adopted in a previous reporting year and continues to be applied should be marked as “Continuing” (see disaggregation notes below).</p> <p>Technologies to be counted here are agriculture-related technologies and innovations including those that address climate change adaptation and mitigation (e.g. carbon sequestration, clean energy, and energy efficiency as related to agriculture). Relevant technologies include:</p> <ul style="list-style-type: none"> • Mechanical and physical: Irrigation, new land preparation, harvesting, processing and product handling technologies, including biodegradable packaging; • Biological: New germ plasm (varieties, breeds, etc.) that could be higher-yielding or higher in nutritional content and/or more resilient to climate impacts; affordable food-based nutritional supplementation such as vitamin A-rich sweet potatoes or rice, or high-protein maize, or improved livestock breeds; soil management practices that increase biotic activity and soil organic matter levels; and livestock health services and products such as vaccines; • Chemical: Fertilizers, insecticides, and pesticides safe storage application and disposal of agricultural chemicals, effluent and wastes, and soil amendments that increase fertilizer-use efficiency (e.g. soil organic matter); • Management and cultural practices: Information technology, conservation agriculture, improved/sustainable agricultural production and marketing practices, increased use of climate information for planning disaster risk strategies in place, climate change mitigation and energy efficiency, and natural resource management practices that increase productivity (e.g. upstream watershed conservation or bio-diesel fueled farm equipment) and/or resilience to climate change including soil and water conservation and management practices (e.g. erosion control, water harvesting, low or no-till); sustainable fishing practices (e.g. ecological fishery reserves, improved fishing gear, establishment of fishery management plans); Integrated Pest Management (IPM), and Integrated Soil Fertility Management (ISFM), and Post-Harvest Handling (PHH) related to agriculture should all be included as improved technologies or management practices. Significant improvements to existing technologies should be counted. <p>If a hectare is under more than one improved technology type (e.g. improved seed (crop genetics) and IPM (pest management), count the hectare under <u>each</u> technology type (i.e. double-count). In addition, count the hectare under the total w/one or more improved technology category. Since it is very common that more than one improved technology is disseminated and applied, this approach allows FTF to accurately count the uptake of different technology types, and to accurately count the total number of hectares under improved technologies. If a hectare is under more than one improved technology, some of which continue to be applied from the previous year and some of which were newly applied in the reporting year, count the hectare under the relevant technology type as new or continuing, depending on the technology, and under <u>new</u> for the total w/one or more improved technology category (i.e. any new application of an improved technology categorizes a hectare as new, even if other technologies being applied are continuing.)</p>	
RATIONALE: Tracks successful adoption of technologies and management practices in an effort to improve agricultural productivity, agricultural water productivity, sustainability, and resilience to climate impacts.	
UNIT: Hectares	DISAGGREGATE BY: Technology type: crop genetics (including nutritional enhancement), animal genetics, pest management, disease management, soil-related (fertility and conservation, including tillage), irrigation, water management, post-harvest handling and storage, processing, climate mitigation or adaptation, fishing gear/technique, other, total w/one or more improved technology Duration: --New = this is the first year the hectare came under improved technologies or management practices --Continuing = the hectare being counted continues to be under improved technologies or management practices from the previous year Sex: --male --female --association-applied
TYPE: Outcome	DIRECTION OF CHANGE: Higher is better
DATA SOURCE: Implementing Partners will collect this data through census or survey of program participants, direct observations of land, and report into program documents.	

MEASUREMENT NOTES:

- LEVEL of COLLECTION: Project-level; only those hectares affected by USG assistance, and only those brought or continuing under new technologies/management during the current reporting year
- WHO COLLECTS DATA FOR THIS INDICATOR: Implementing partners
- HOW SHOULD IT BE COLLECTED: Via survey or other applicable method
- FREQUENCY of COLLECTION: Annually reported

PERFORMANCE INDICATOR VALUES						
4.5.2-2 Number of hectares under improved technologies or management practices as a result of USG assistance						
	October, 2011- September, 2012			October, 2010- September, 2012		
	Aggregate	FTF*	M&S*	Aggregate	FTF	M&S
Tech type : UDP						
-Rice	913,732	644,251	269,481	913,732	644,251	269,481
-New	695,080	501,645	193,435	695,080	501,645	193,435
-Continuing	218,652	142,606	76,046	218,652	142,606	76,046
-Vegetable	935	712	223	935	712	223

*FTF-Feed the Future Districts

*M&S –Mymensingh & Sherpur Districts

Assumptions: AAPI collects data through block survey in each of the three rice seasons. Block is the lowest tier of crop related administrative unit; AAPI collects data for area under UDP technology, number of famers by gender (new + continuing). To September 2012 AAPI does not have disaggregated data for hectares of land under UDP by male and female farmers.

Note:

October 2011 – September 2012: Cumulative data for Aman 2011, Boro 2012 and Aus 2012

October 2010 – September 2012: Cumulative data for last three seasons – Aman 2011, Boro 2012 and Aus 2012

Boro 2011 and Aus 2011 are the seasons that are continuing to September 2012. Continuing area is estimated at 90% of the Boro 2011 and Aus 2011 area.

Name of the Implementing Partner	Date of Data Verification and Certification
IFDC (AAPI)	I hereby certify that the data reported in this document are correct and that there is documentation in the file in support of these data. We have used the official definitions for the indicators as described in the Feed the Future Indicators Handbook. The data reported can be traced back to the to the field level and can be adequately verified.
	----- Chief of Party Signature and Date:

Note: Mention N/A if the indicator is not applicable to your program.

SPS LOCATION: Program Element 4.5.2: Agricultural Sector Productivity
INITIATIVE AFFILIATION: FTF – IR 1: Improve agricultural productivity / Sub IR 1.2: Enhanced Technology Development, Dissemination, Management and Innovation

INDICATOR TITLE: 4.5.2-13 Number of rural households benefiting directly from USG interventions (S)

DEFINITION:

A household is a beneficiary if it contains at least one individual who is a beneficiary. An individual is a beneficiary if s/he is engaged with a project activity or s/he comes into direct contact with the set of interventions (goods or services) provided by the project. Individuals merely contacted or involved in an activity through brief attendance (non-recurring participation) does not count as a beneficiary.

Beneficiaries include the households of people who receive the goods and services of an implementing partner or participate in training, in which "training" is defined as individuals to whom knowledge or skills have been imparted through interactions that are intentional, structured, and purposed for imparting knowledge or skills.

The definition of "rural" should be the definition used by the respective national statistical service. This indicator can include vulnerable households if they are in rural areas.

RATIONALE:

Tracks access and equitable access to services in targeted area.

UNIT: Number	<p>DISAGGREGATE BY: Duration New, Continuing <i>Rural households reported as benefiting should be those benefiting in the current reporting year. Any households that benefited in a previous year but were not benefiting in the reporting year should not be included. Any household that benefited in the previous year and continues to benefit in the reporting year should be counted under "Continuing." Any household that benefited for the first time during the current reporting year should be counted under "New." No household should be counted under both "Continuing" and "New."</i> Gendered Household type: Adult Female no Adult Male (FNM), Adult Male no Adult Female (MNF), Male and Female Adults (M&F), Child No Adults (CNA)</p>
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TYPE: Output	<p>DIRECTION OF CHANGE: Higher is better</p>
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DATA SOURCE:
Implementing partners

MEASUREMENT NOTES:

- LEVEL of COLLECTION: Project-level; attributable to USG investment
- WHO COLLECTS DATA FOR THIS INDICATOR: Implementing partners
- HOW SHOULD IT BE COLLECTED: Project records, surveys, training participant lists, etc.
- FREQUENCY of COLLECTION: Annually reported

PERFORMANCE INDICATOR VALUES						
4.5.2-13 Number of rural households benefiting directly from USG interventions						
	October, 2011- September, 2012			October, 2010- September, 2012		
	Aggregate	FTF*	M&S*	Aggregate	FTF	M&S
	296,780	231,003	65,777	462,746	333,383	129,363

*FTF-Feed the Future Districts

*M&S –Mymensingh & Sherpur Districts

AAPI Definition: Beneficiary of AAPI intervention includes (i) the total number of farmers who are trained in UDP technology use and (ii) the total number of rural entrepreneurs who procured the fertilizer briquette machines at a reduced rate with the assistance from AAPI.

Assumptions: AAPI does not disaggregate households by gender. One farmer (male/female) is chosen from each household for AAPI training. Therefore, each training participant represents a separate household. AAPI assumes if a female member of a family is intensively involved in the decision making process or in any crop production related activity, she is a female participant in AAPI training programs. AAPI collects data of farmers’ training participants and briquette machine owners by gender.

Name of the Implementing Partner	Date of Data Verification and Certification
IFDC (AAPI)	I hereby certify that the data reported in this document are correct and that there is documentation in the file in support of these data. We have used the official definitions for the indicators as described in the Feed the Future Indicators Handbook. The data reported can be traced back to the to the field level and can be adequately verified.
	----- Chief of Party Signature and Date:

Note: Mention N/A if the indicator is not applicable to your program.

SPS LOCATION: Program Element 4.5.2: Agricultural Sector Capacity
 INITIATIVE AFFILIATION: FTF – IR2: Expanding Markets and Trade

INDICATOR TITLE: 4.5.2-23 Value of incremental sales (collected at farm-level) attributed to FTF implementation (RiA)

DEFINITION:

This indicator will collect both volume (in metric tons) and value (in US dollars) of purchases from smallholders of targeted commodities for its calculation. The value of incremental sales indicates the value (in USD) of the total amount of agricultural products sold by farm households relative to a base year and can be calculated based on the total value of sales of a product (crop, animal, or fish) during the reporting year minus the total value of sales in the base year. Note that quantity of sales is part of the calculation for gross margin under indicator #4.5—4, and in many cases this will be the same or similar to the value here.

RATIONALE:

Value (in US dollars) of purchases from smallholders of targeted commodities is a measure of the competitiveness of those smallholders. This measurement also helps track access to markets and progress toward commercialization by subsistence and semi-subsistence smallholders. Improving markets will contribute to the Key Objective of increased agricultural productivity and production, which in turn will reduce poverty and thus achieve the goal. Lower level indicators help set the stage to allow markets and trade to expand.

UNIT:

Value of sales (USD)
 Volume (tons) must also be collected

Note: Convert local currency to USD at the average market foreign exchange rate for the reporting period

System Note: First enter baseline value of sale (sales in year before FTF efforts) and then enter value of sales in the reporting year in USD. The FTF Monitoring System (FTFMS) will automatically calculate the Value of incremental sales between the baseline year and the reporting year.

DISAGGREGATE BY:

Commodity

TYPE:

Outcome

DIRECTION OF CHANGE:

Higher is better

DATA SOURCE:

Implementing partner

MEASUREMENT NOTES:

- LEVEL of COLLECTION: Project level; those affected by USG project reach
- WHO COLLECTS DATA FOR THIS INDICATOR: Ideally, implementing partner will collect in a census of all target beneficiaries. Sample survey-based approaches are also acceptable.
- HOW SHOULD IT BE COLLECTED: The value of incremental sales can be collected directly from a census or sample of farmer beneficiaries, from recorded sales data by farmer's associations, from farm records.
- FREQUENCY of COLLECTION: Annually reported

Only count the increase in sales in the reporting year attributable to the FTF investment, i.e. where FTF assisted the individual farm directly. Examples of FTF investment could include: improved seeds, better input availability or farming techniques, marketing assistance or other activities that benefited farmers.

PERFORMANCE INDICATOR VALUES						
4.5.2-23 Value of incremental sales (collected at farm-level) attributed to FTF implementation						
Agricultural products	October, 2011- September, 2012			October, 2010- September, 2012		
	US \$(million)			US \$(million)		
	Aman '11+ Boro'12+Aus'12			Aman '11 + Boro'12+Aus '12		
	Aggregate	FTF*	M&S*	Aggregate	FTF	M&S
-- Rice	48.69	30.51	20.73	48.69	30.51	20.73

*FTF-Feed the Future Districts

*M&S –Mymensingh & Sherpur Districts

AAPI Definition: Value of incremental sales is calculated by taking the percentage of total crop sold (from gross margin survey of Aman 2011, Boro 2012 and Aus 2012) and multiplying with the incremental rice production between rice grown in land with UDP technology and broadcasted urea. The incremental rice production per hectare is obtained from crop cuts (adjusted for moisture and a millout of 67%). This is then multiplied by the area under UDP coverage. The total incremental production is multiplied by the government procurement price fixed in each rice season and converted to US\$ at the current exchange rate.

Value of incremental sales = % of sales x total incremental rice production per hectare using UDP Technology x UDP coverage x government procurement price.

Name of the Implementing Partner	Date of Data Verification and Certification
IFDC (AAPI)	I hereby certify that the data reported in this document are correct and that there is documentation in the file in support of these data. We have used the official definitions for the indicators as described in the Feed the Future Indicators Handbook. The data reported can be traced back to the to the field level and can be adequately verified.
	----- Chief of Party Signature and Date:

Note: Mention N/A if the indicator is not applicable to your program.

SPS LOCATION: Program Element 4.5.2: Agricultural Sector Productivity INITIATIVE AFFILIATION: FTF – IR 1: Improved Agricultural Productivity / Sub IR 1.1: Enhanced human and institutional capacity development for increased sustainable agriculture sector productivity	
INDICATOR TITLE: 4.5.2-5 Number of farmers and others who have applied new technologies or management practices as a result of USG assistance (RiA) (WOG)	
DEFINITION: <p>This indicator measures the total number of farmers, ranchers and other primary sector producers (food and non-food crops, livestock products, wild fisheries, aquaculture, agro-forestry, and natural resource-based products are included), individual processors (not firms), rural entrepreneurs, managers and traders, natural resource managers, etc. that applied new technologies anywhere within the food and fiber system as a result of USG assistance. This includes innovations in efficiency, value-addition, post-harvest management, sustainable land management, forest and water management, managerial practices, input supply delivery. Any technology that was first applied in a previous year and that continues to be applied should be included as 'continuing'. Technologies to be counted here are agriculture-related technologies and innovations including those that address climate change adaptation and mitigation (including, but not limited to, carbon sequestration, clean energy, and energy efficiency as related to agriculture). Relevant technologies could include:</p> <ul style="list-style-type: none"> • Mechanical and physical: New land preparation, harvesting, processing and product handling technologies, including biodegradable packaging • Biological: New germ plasm (varieties, breeds, etc.) that could be higher-yielding or higher in nutritional content and/or more resilient to climate impacts; affordable food-based nutritional supplementation such as vitamin A-rich sweet potatoes or rice, or high-protein maize, or improved livestock breeds; soil management practices that increase biotic activity and soil organic matter levels; and livestock health services and products such as vaccines; • Chemical: Fertilizers, insecticides, and pesticides sustainably and environmentally applied, and soil amendments that increase fertilizer-use efficiencies; • Management and cultural practices: sustainable water management; practices; sustainable land management practices; sustainable fishing practices; information technology, improved/sustainable agricultural production and marketing practices, increased use of climate information for planning disaster risk strategies in place, climate change mitigation and energy efficiency, and natural resource management practices that increase productivity and/or resiliency to climate change. IPM, ISFM, and PHH as related to agriculture should all be included as improved technologies or management practices <p>Significant improvements to existing technologies should be counted. In the case where, for example, a farmer applies more than one innovation as a result of USG assistance, they are still only counted once. Also, if more than one farmer in a household is applying new technologies, count all the farmers in the household who apply.</p> <p>This indicator is to count <i>individuals</i> who applied new technologies, whereas indicator #4.5.2-28 is to count firms, associations, or other group entities applying new technologies.</p>	
RATIONALE: <p>Technological change and its adoption by different actors in the in the agricultural supply change will be critical to increasing agricultural productivity which is the Intermediate Result which this indicator falls under.</p>	
UNIT: Number	DISAGGREGATE BY: Duration --New = This reporting year is the first year the person applied the new technology or management practice --Continuing = The person first applied the new technology or practice in the previous year and continues to apply it Sex: Male, Female
TYPE: Outcome	DIRECTION OF CHANGE: Higher is better
DATA SOURCE: Implementing Partners	
MEASUREMENT NOTES: <ul style="list-style-type: none"> ➤ LEVEL of COLLECTION: Project-level; only those individuals targeted by USG programs ➤ WHO COLLECTS DATA FOR THIS INDICATOR: Implementing partners ➤ HOW SHOULD IT BE COLLECTED: Survey of all targeted individuals, Project or association records, farm records ➤ FREQUENCY of COLLECTION: Annually reported 	

PERFORMANCE INDICATOR VALUES						
4.5.2-5 Number of farmers and others who have applied new technologies or management practices as a result of USG assistance						
	October, 2011- September, 2012			October, 2010- September, 2012		
	Aggregate	FTF*	M&S*	Aggregate	FTF	M&S
Disaggregation						
Producers (Farmers)- Rice+ Other crops	2,933,657	2,051,076	882,581	2,933,657	2,051,076	882,581
Producers (Farmers) -Rice	2,926,499	2,044,693	881,806	2,926,499	2,044,693	881,806
-New	1,914,235	1,337,646	576,589	1,914,235	1,337,646	576,589
-Continuing	1,012,264	707,047	305,217	1,012,264	707,047	305,217

*FTF-Feed the Future Districts

*M&S –Mymensingh & Sherpur Districts

AAP I Definition: This indicator includes farmers who apply FDP in their lands while cultivating rice and other crops.

Assumption: AAP I collects data through block survey in each of the three rice seasons. Block is the lowest tier of crop related administrative unit. Data are collected on the number of famers using FDP.

To September 2012 AAP I does not have disaggregated data for all male (new), male (continuing) and female (new), female (continuing).

October 2011 – September 2012: Cumulative data for Aman 2011, Boro 2012 and Aus 2012

October 2010 – September 2012: Cumulative data for last three seasons – Aman 2011, Boro 2012 and Aus 2012

New farmers are those who have never used the technology before AAP I.

Continuing farmers are those who have used the technology before AAP I but have been motivated by AAP I through its activities such as training and motivational meetings.

Name of the Implementing Partner	Date of Data Verification and Certification
IFDC (AAP I)	I hereby certify that the data reported in this document are correct and that there is documentation in the file in support of these data. We have used the official definitions for the indicators as described in the Feed the Future Indicators Handbook. The data reported can be traced back to the to the field level and can be adequately verified.
	----- Chief of Party Signature and Date:

Note: Mention N/A if the indicator is not applicable to your program.

SPS LOCATION: Program Element 4.5.2: Agricultural Sector Productivity INITIATIVE AFFILIATION: FTF – IR 1: Improved Agricultural Productivity / Sub IR 1.1: Enhanced human and institutional capacity development for increased sustainable agriculture sector productivity	
INDICATOR TITLE: 4.5.2-7 Number of individuals who have received USG supported short-term agricultural sector productivity or food security training (RiA) (WOG)	
DEFINITION: The number of individuals to whom significant knowledge or skills have been imparted through interactions that are intentional, structured, and purposed for imparting knowledge or skills should be counted. This includes farmers, ranchers, fishers, and other primary sector producers who receive training in a variety of best practices in productivity, post-harvest management, linking to markets, etc. It also includes rural entrepreneurs, processors, managers and traders receiving training in application of new technologies, business management, linking to markets, etc, and training to extension specialists, researchers, policymakers and others who are engaged in the food, feed and fiber system and natural resources and water management. In-country and off-shore training are included. Include training on climate risk analysis, adaptation, mitigation, and vulnerability assessments, as it relates to agriculture. Delivery mechanisms can include a variety of extension methods as well as technical assistance activities. An example is a USDA Cochran Fellow. Training should include food security, water resources management/IWRM, sustainable agriculture, and climate change resilience, but should not include nutrition-related trainings, which should be reported under indicator #3.1.9-1 instead. This indicator is to count <i>individuals</i> receiving training, for which the outcome, i.e. individuals applying new practices, should be reported under #4.5.2-5.	
RATIONALE: Measures enhanced human capacity for increased agriculture productivity, improved food security, policy formulation and/or implementation, which is key to transformational development.	
UNIT: Number	DISAGGREGATE BY: Type of individual: -Producers (farmers, fishers, pastoralists, ranchers, etc.) -People in government (e.g. policy makers, extension workers) -People in private sector firms (e.g. processors, service providers, manufacturers) -People in civil society (e.g. NGOs, CBOs, CSOs, research and academic organizations) <i>Note: While producers are included under MSMEs under indicators 4.5.2-30 and 4.5.2-37, only count them under the Producers and not the Private Sector Firms disaggregate to avoid double-counting. While private sector firms are considered part of civil society more broadly, only count them under the Private Sector Firms and not the Civil Society disaggregate to avoid double-counting.</i> Sex: Male, Female
TYPE: Output	DIRECTION OF CHANGE: Higher is better
DATA SOURCE: Implementing partners	
MEASUREMENT NOTES: ➤ LEVEL of COLLECTION: Project-level; individuals targeted by USG program ➤ WHO COLLECTS DATA FOR THIS INDICATOR: Implementing partners ➤ HOW SHOULD IT BE COLLECTED: Program training records ➤ FREQUENCY of COLLECTION: Annually reported	

PERFORMANCE INDICATOR VALUES						
4.5.2-7 Number of individuals who have received USG supported short-term agricultural sector productivity or food security training						
	October, 2011- September, 2012			October, 2010- September, 2012		
Disaggregation	Aggregate	FTF*	M&S*	Aggregate	FTF	M&S
Aggregate	299,048	233,147	65,901	467,269	336,792	130,477
-- Producers	296,208	230,495	65,713	461,919	332,754	129,165
-- People in firms	800	726	74	1,181	906	275
-- People in Government	1,824	1,773	51	3,925	2,951	974
-- People in NGOs	216	153	63	244	181	63
-- Male	215,155	166,453	48,702	344,933	245,564	99,369
-- Producers	212,570	164,039	48,531	340,048	241,896	98,152
-- People in firms	745	678	67	1,110	844	266
-- People in Government	1,644	1,600	44	3,554	2,663	891
-- People in NGOs	196	136	60	221	161	60
-- Female	83,893	66,694	17,199	122,336	91,228	31,108
-- Producers	83,638	66,456	17,182	121,871	90,858	31,013
-- People in firms	55	48	7	71	62	9
-- People in Government	180	173	7	371	288	83
-- People in NGOs	20	17	3	23	20	3

*FTF-Feed the Future Districts

*M&S –Mymensingh & Sherpur Districts

AAPI Definition: This indicator is calculated from -

Producers: number of farmers, who received training on UDP technology,

People in firms: number of people from briquette machine firms who are trained on operation and management of briquette machine and number of local mechanics who receive technical training.

People in Government: Number of SAAOs who are trained to be farmer trainers for UDP technology;

People in NGOs: Number of Persons from Agriculture NGO s who are to be farmer trainers for UDP technology.

Name of the Implementing Partner	Date of Data Verification and Certification
IFDC (AAPI)	I hereby certify that the data reported in this document are correct and that there is documentation in the file in support of these data. We have used the official definitions for the indicators as described in the Feed the Future Indicators Handbook. The data reported can be traced back to the to the field level and can be adequately verified.
	----- Chief of Party Signature and Date:

Note: Mention N/A if the indicator is not applicable to your program.