ANNUAL REPORT 2017-2018

NADIA KRISHI VIGYAN KENDRA

Bidhan Chandra Krishi Viswavidyalaya

Indian Council of Agricultural Research

Gayeshpur, Nadia, West Bengal

PIN-741234

ANNUAL REPORT

(April, 2017 to March, 2018)

NADIA KRISHI VIGYAN KENDRA

Bidhan Chandra Krishi Viswavidyalaya

Indian Council of Agricultural Research

Gayeshpur, Nadia, West Bengal

PIN – 741 234

☎: 033-65555112

✉: nadiakvk@gmail.com

💻: http://www.nadiakvk.org

C O N T E N T

ANNUAL REPORT

(April 2017 to March 2018)

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Nadia Krishi Vigyan Kendra P.O. Gayeshpur, Dist. Nadia, West Bengal PIN - 741 234.	033-65555112	NA	nadiakvk@gmail.com Website: www.nadiakvk.org

1.2 .Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Bidhan Chandra Krishi Viswavidyalaya P.O. Mohanpur, Dist. Nadia, West Bengal, PIN – 741 252	033-25876048	033-25870523 033-25820465	deebckv@gmail.com Website: www.bckv.edu.in

1.3. Name of the Programme Coordinator with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. M.K.Samanta		09433279265	malayhort@gmail.com

1.4. Year of sanction of KVK: ***F.No.2-3/93-A.E.-I dated Feb. 05, 2004***

1.5. Staff Position (as on 1st April, 2018)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Vacant	Programme Coordinator	Agril. Extension	-	-	-	-
2	Subject Matter Specialist	Dr. Malay Kumar Samanta	In – charge & Subject Matter Specialist	Horticulture	15600-39100(GP-5400) 29,990.00	25/10/2005	Permanent	Others
3	Subject Matter Specialist	Dr. Shubhra Jyoti Pramanik	Subject Matter Specialist	Seed Science	15600-39100(GP-5400) 29,990.00	26/10/2005	Permanent	Others
4	Subject Matter Specialist	Dr. Malabika Debnath	Subject Matter Specialist	Plant Protection	15600-39100(GP-5400) 29,990.00	26/10/2005	Permanent	Others
5	Subject Matter Specialist	Vacant	Subject Matter Specialist	Agronomy	-	-	-	-
6	Subject Matter Specialist	Vacant	Subject Matter Specialist	Animal Science	-	-	-	-
7	Subject Matter Specialist	Vacant	Subject Matter Specialist	Soil Science	-	-	-	-
8	Programme Assistant	Vacant	Programme Assistant	-	-	-	-	-
9	Computer Programmer	Mr. Jharnendu Hembram	Computer Programmer	Computer Application	9,300-34,800 (GP-4200) 14,310.00	06/06/2014	Permanent	ST
10	Farm Manager	Dr. Kaushik Mukhopadhyay	Farm Manager	Soil and Water conservation	9,300-34,800(GP- 4200) 18,730.00	05/12/2008	Permanent	Others
11	Accountant / Superintendent	Mr. Kumares Das	Assistant	-	9,300-34,800(GP- 4200) 17,650.00	25/09/2006	Permanent	Others
12	Stenographer	Vacant	Stenographer	-	-	-	-	-
13	Driver	Mr. Kalyan Kumar Thakur	Driver	-	5200-20200(GP-2000) 11,780.00	24/10/2005	Permanent	Other
14	Driver	Mr. Rishikesh Roy	Driver	-	5200-20200(GP-2000) 11,780.00	30/08/2006	Permanent	SC
15	Supporting staff	Mr. Prasanta Biswas	Supporting staff	-	5,200-20,200(GP-1800) 10,040.00	26/10/2005	Permanent	SC
16	Supporting staff	Mr. Biswajit Hansda	Supporting staff	-	5,200-20,200(GP-1800) 10,040.00	24/10/2005	Permanent	Others

1.6. Total land with KVK (in ha) :

Sl. No.	Item	Area (ha)
1	Under Buildings	0.085
2.	Under Demonstration Units	0.0477
3.	Under Crops	4.76
4.	Orchard/Agro-forestry	2.50
5.	Others with details	2.00
	Total	**9.3927**

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

Sl. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					Yes	550	√	ICAR
2.	Farmers Hostel					Yes	300	√	ICAR
3.	Staff Quarters (6)					-	-	-	-
4.	Piggery unit					Yes	121.0	√	RKVY
5	Fencing					Yes	-	√	ICAR
6	Rain Water harvesting structure					-	-	-	-
7	Threshing floor					Yes	-	√	ICAR
8	Farm godown					Yes	-	√	ICAR
9.	Dairy unit					-	-	-	-
10.	Poultry unit					-	-	-	-
11.	Goatary unit					Yes		√	RKVY
12.	Mushroom Lab					-			-
13.	Mushroom production unit					-	-	-	-
14.	Shade house					Yes	-	√	NHM
15.	Soil test Lab					Yes	-	✓	ICAR
16	Plant Diagnostic Unit					Yes	-	√	ICAR
17	Farm Cottage					Yes	-	√	RKVY

* If not in use then since when and reason for non-use

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Jeep	Feb, 2005	4,71,856.00	182996 km	Working
Tractor	March, 2005	4,29,440.00	662.7 hr	Working
Motor Bike (2 no.)	June, 2016	1,20,000.00	5604 km	Working

C) Equipment & AV aids: NA

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
b. Farm machinery				
c. AV Aids				

D) Farm implements: NA

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund

1.8. Details SAC meeting* conducted in the year

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	12.06.17	20	Name of micronutrient, PPC and strain of Rhizobium should be properly mentioned for the cluster demonstration of pulse and oilseed	All the parameters are properly mentioned in the report.	
			Liming can be considered for gram and lentil for management of wilt disease, and for ground nut sulphur and calcium application can be included in the FLD	Recommendation included in the CFLD programme	
			In the OFT of viral disease management of solanacious crops border crop with maize and agrimulching may be included in the technology option 2	Border crop woth maize incorporated in the OFT.	
			Collection of information on changing land use pattern of Nadia district particularly on orchard based land use was	It is done by the students of RAWE of Doon School of Agriculture	

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
			recommended.		
			Programme on fodder production, Establishment of fodder museum and incorporation of fodder crops in the mango orchards was recommended.	Small fodder production unit established at KVK farm	
			Recommendation for preparation of technology inventory of the KVK. Programme on women empowerment, landless labourer and small farmers should be taken	We have organised women farmers day and several training programme for women.	
			Recommendation for home stead garden and animal husbandry based programme for landless labourer and small farmers	This programme was carried out for tribal landless labourer and small farmers, particularly women	
			Selection of media for pluck tray seedling production should be considered with due importance.	Efficiency of different media was eveluated in the experiment on strawberry.	
			Women farmer representative emphasized on seed production.	Seed production programme on green gram and sesame is carried out in KVK farm along with elephant foot yam.	
			Involvement of SHG groups in kitchen gardening. The cooperatives can be more utilized for various programmes. KVK members can be present in the monthly meeting	KVK is working with several cooperative societies in various aspects.	
			Complete bankable projects can be formulated for the rural youth with the help of NABARD and Bank	One course on project formulation is incorporated in long duration residential training.	

** Salient recommendation of SAC in bullet form*
Attach a copy of SAC proceedings along with list of participants

Proceedings of Scientific Advisory Committee Meeting *Held on June 12, 2017*

Members present in SAC meeting:

1. Prof. D.D.Patra, Vice- Chancellor, BCKV
2. Prof. Koushik Bhramhachari, Director, Directorate of Extension Education, BCKV
3. Dr. Abhijit Halder, Principal Scientist, ATARI
4. Prof. S.R.Pal, Director, Directorate of Research, BCKV
5. Dr. S. R. Sarkar, PD, ATMA, Nadia
6. Dr.S. Roy, Dept of Plant Pathology, BCKV
7. Prof. P. Chakroborty, Head, Dept. of Seed Science and Technology, BCKV
8. Prof. Mahadeb Pramanik, Head, Dept. of Agronomy, BCKV
9. Dr. T. K. Datta, Head, NDRI, Eastern Region
10. Prof. J. K. Hore, Dean, Faculty of Horticulture, BCKV
11. Dr. K. Garai, DHO, Nadia
12. Prof. P. Hazra, Faculty of Horticulture, BCKV
13. Dr. Amrita Chattapadayay, DDM, NABARD, Nadia
14. LDM, United Bank of India, Nadia
15. Prof. Sushanta Dey, In-charge, RRS, NAZ, BCKV
16. Dr. Anjan Chowdhury, In-charge, Hooghly KVK
17. Mr. Kaushik Nag, SMS (Horticulture), Howrah KVK
18. ARD, Krishnagar, Nadia
19. Sri. Pintu Mondal, Farmer Representative, Satyapol, Nadia
20. Sri. Nimai Mondal, Farmer Representative, Gopalpur, Nadia
21. Smt. Sabita Mandal, Women Representative, Gopalpur, Nadia
22. Dr. K. K. Goswami, Programme Coordinator, Nadia KVK

12th Scientific Advisory Committee Meeting held on 12th June, 2017

- The Senior Scientist and Head of Nadia KVK welcomed all the SAC members and accordingly all the members introduced themselves. Then the activities and the future course of work were presented by the Programme Coordinator.
- First action taken report, then annual report 2016-17 and action plan2017-18 was presented by him.
- During the discussion VC , BCKV expressed his quarries regarding the recommended dose of fertilizer in cluster demonstration of pulse and oilseed and Methyl euzinol trap.

- Prof. J. K. Hore recommended that the mane of micronutrient, PPC and strain of Rhizobium should be properly mentioned for the cluster demonstration of pulse and oilseed.
- Dr. S. K. Dutta recommended that liming can be considered for gram and lentil for management of wilt disease, and for ground nut sulphur and calcium application can be included in the FLD. He also mentioned that in the OFT of viral disease management of solanacious crops border crop with maize and agri-mulching may be included in the technology option 2.
- Prof. J. K. Hore & Prof. P. Hazra emphasized on incorporation of pineapple and jackfruit in the OFT of mango orchard.
- DEE, BCKV recommended to collect some information on changing land use pattern of Nadia district particularly on orchard based land use.
- Principal scientist, ATARI, Dr. Abhijit Halder emphasized to take necessary steps to take programme on fodder production. Fodder museum can also be established in the KVK. Fodder crops can also be introduced in the mango orchards. He also recommended to prepare a technology inventory of the KVK. Programme on women empowerment, landless labourer and small farmers should be taken.
- DDM, NABARD also mentioned to formulate programme for landless labourer and small farmers.
- Prof. Mahadeb Pramanik recommended to take home stead garden and animal husbandry based programme for landless labourer and small farmers.
- Principal scientist and Head of NDRI suggested that NDRI can supply different fodder cutting for establishment of fodder museum in the KVK. He also suggested that both the KVKs of Nadia district can work in combination with each other.
- Combined programme can be taken by KVK with support from ATMA & NABARD.
- The forum emphasized on channelization of seed production with marketing.
- SMS, Horticulture, Howrah KVK mentioned to emphasize on media for pluck tray seedling production.
- Women farmer representative also emphasized on seed production.
- Farmer representative expressed his view on importance water quality for agriculture. He also emphasized on develop awareness in this regard.
- Representative of cooperative department suggested to involve SHG groups in kitchen gardening. The cooperatives can be more utilized for various programmes. KVK members can be present in the monthly meeting of KVKs.

- Lead bank manager mentioned that complete bankable projects can be formulated for the rural youth with the help of NABARD and Bank.

2. DISTRICT LEVEL DATA ON AGRICULTURE, LIVESTOCK AND FARMING SITUATION (2017-18)

Sl. no.	Item	Information
1	**Major Farming system/enterprise**	**Agriculture and Horticulture-based farming system:** Stagnation in farm income efficiency due to fast reducing profit potential, Deteriorating soil health in the face of no or extremely low rate of application of organic manure coupled with imbalanced application of chemical fertilizers. Inefficient crop husbandry restricting the scope of augmenting productivity under existing level of inputs management. Instability in yield due to increasing pest problem in the four most important vegetable enterprises. Inefficient nursery management for early vegetables in particular. Occasional glut during peak season due to extremely sluggish rate of value addition. **Fish based production system:** Mass mortality and poor growth performance leading to less profit due to lack of knowledge in maintaining appropriate stock ratios and skill in scientific pond management. Dereliction of productive area due to continuous neglect in the face of poor knowledge on fishery management in an enterprising mode. **Livestock based production system:** Poor management condition under courtyard and backyard situation leading to poor system out-turns. Poor overall system performance due to lack of awareness and motivation on timely health coverage.
2	**Agro-climatic Zone**	
	New Alluvial Zone	Soils here are moderately well drained, deep and medium textured with pH varies from 6.5 – 7.5 with a good base saturation. Annual rainfall in the situation varies from 1,401-1,671 mm; maximum and minimum temperature ranges between 25.2 –37.9°C and 9.8 – 26.7°C respectively. So far as the physiographic and irrigation facility is concerned, this district leaves scope to grow a wide variety of agricultural and horticultural crops.
3	**Agro ecological situation**	
	Medium and low land situation	The soils of New Alluvial Zone (NAZ) have got developed on recent alluvium of main river system of the Ganges. Soils of this flat alluvial plain vary from sandy loam to heavy clay in texture possessing high water retention capacity, good porosity and generally higher permeability for the surface soils. Depending upon their typical geomorphic situations, nature of alluvium and typical land use in cropping practices, this NAZ may further be sub-divided into four situations viz, i) Low-lying flood plain *(Tal)* including backwater swamps, ii) Recent Alluvial high flood plain *(Diara)*, iii) Recent alluvial flood plain, and iv) Deltic alluvial plain. The climate of this largest agro-climatic zone in the state is sub-tropical in nature with an average annual rainfall of 1,467.5mm.The minimum and maximum temperature ranges from 9.0 – 26.8 ^{O}C and 20.4 – 39.0 ^{O}C respectively. Sunshine hours in NAZ generally vary between 8.5 –10.5 hrs. per day excepting during monsoon months when average sunshine hours come down to around 5.5 hrs. per day. Irrigation facility, one of the most critical factors for the growth of agriculture, is also in existence in an appreciable form at NAZ and covers an area of about 50 percent as against only 25.3 percent for the whole state. Endowed with congenial agro-ecological situation, the NAZ of West Bengal has established itself to be the core productive zone and granary of the state.

4	**Soil type**	
	Sandy loam (a) Up land (b) Medium land **Clay** (a) Low land	Soils here are moderately well drained, deep and medium textured with pH varies from 6.5 – 7.5 with a good base saturation.

5 **Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others:**

Sl. No.	Crop	Area (ha)	Production (MT)	Productivity (Kg /ha)
Cereals				
1.	Aus paddy	45200	180590.0	6044.13
2.	Kharif paddy	89250	126330.05	11854.64
3.	*Boro* paddy	705	52653.6	5582
4.	Wheat	705	1559.2	2168.11
5.	Maize	13910	18818.8	4639.73
Oilseeds				
1.	Mustard	78465	110543	1408
2.	Sesame	33900	41051	1212
3.	Ground nut (Rabi & Summer)	6200	10991	3500
4.	Linseed	505	428	850
5.	Sunflower	4900	6250	1275.51
Pulses				
1.	Gram	5070	4649	926
2.	Lentil	22500	29723	1321
3.	Pea	2500	2290	916
4.	Lathyrus	2600	1884	724
5.	Green gram	858	628	1550
6.	Black gram	8600	6997	813
7.	Red gram	125	122	977
Others				
1.	Jute	90000	1345535.67 bale	14.95 bale/ha
2.	Potato	7570	189629.6	25050.15
3.	Sugarcane	2775	186880	67340
Vegetables				
1.	Tomato	4724	107990	22.86
2.	Cabbage	8130	209865	25.81
3.	Cauliflower	7550	214280	28.38
Fruits				
1.	Mango	5420	54000	9.96
2.	Banana	11635	399770	34.36
3.	Papaya	662	30500	46.07
4.	Guava	1280	13250	10.35
5.	Pineapple	19	351	18.47
6.	Jackfruit	1350	17920	13.27
7.	Coconut	1016	12900500	12697.34
8.	Arecanut	363	1011000	2785.12
9.	Bettle Vine	1959	1011000 motes/ha	698.37 motes

	Flower				
	1.	Rose	309	105400000	341100.32
	2.	Tube rose	2115	573200000	271016.55
	3.	Chrysenthemum	34	9400000	271016.55
	Spices				
	1.	Turmeric	507	6779.64	12107

6 **Mean yearly temperature, rainfall, humidity of the district**

Month	Rainfall (mm)	Temperature ^{0}C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
April, 17	0.27	12.06	9.58	36.13	18.93
May, 17	3.08	24.64	19.12	66.00	42.84
June, 17	5.48	26.82	23.29	82.90	58.47
July, 17	12.97	24.49	22.82	84.29	71.42
Aug, 17	9.02	30.76	25.32	92.23	81.06
Sep, 17	3.32	21.56	18.64	66.90	49.97
Oct, 17	6.49	22.38	17.85	72.35	54.52
Nov, 17	1.21	23.26	15.82	83.57	46.17
Dec, 17	0.50	19.91	12.55	81.61	52.48
Jan, 18	0.00	23.52	9.06	88.06	43.61
Feb, 18	0.00	23.42	11.80	67.79	33.50
Mar, 18	0.05	35.07	21.07	89.45	40.13

7 **Production of major livestock products like milk, egg, meat etc.**

Category	Population	Production	Productivity
Cattle			
Crossbred	348760	Milk-254.677 (thousand Ton)	
Indigenous	522258	Milk-173.28 (thousand Ton)	
Buffalo	24075	Meat-314 M.ton Milk-28.882 (thousand Ton)	
Sheep	11718	Meat-612 M.ton , Wool-23.364 M.ton	
Goats	968707	Meat-9,952 M.ton, Milk-8.047 (thousand Ton)	
Pigs	12955	Meat-2,483 M.ton	
Rabbits	7028		
Poultry			
Hen	2233853		
Desi	1537548		
Improved	696305		
Duck	595072		
Turkey and others	53		

2. b. Details of operational area/villages (2017-18)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Kalyani	Chakdaha	Ghoragachha Banamalipara Srinagar Silinda Majhdiah Madanpur Mahaswarpur Rautari Babudanga Madandanga Taligachha Chapatala Pitulitala Shantinagar Parari Bardhanpara Hingnara Kadambagachi Gontra Rassullapur	Paddy, jute, mustard, winter & summer vegetables, pulse crop, fruits mainly guava, banana & citrus, goatery, poultry, cattle Flower, fodder	*Bio physical* Yield plateaning of major crops *Improper crop husbandry *Non availability of quality seed and planting material *Soil health deterioration *High disease pest incidence Low productivity of horticultural crops. *nondescript variety *improper management practices Low productivity of existing live stock. * Indigenous breed. *Improper feed management. *High disease incidence of livestock. Ill management of backyard *lack of awareness. *Socio-economic* Inadequacy of women	1. Judicious application of inputs under existing production system. 2. Introduction of farmer-led branded seed production grid. 3. Improvement of pulse based cropping system 4. Judicious plant protection 5. Crop diversification 6. Value addition and post harvest management of crops 7. Performance improvement of livestock based backyard system. 8. Increased economic mainstreaming of women through capacity building and capability up gradation.
		Haringhata	Mollabelia Nischintapur Kastodanga Bhabanipur Satyapole Dhakhin Brahmapur Panchkahania Ganguria			
2	Ranaghat	Ranaghat-I	Nandighat			

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
		Ranaghat-II	Dhantala puritan chapra Panchberia		led vocation. Inadequate hand on skill on crop husbandry and backyard system management. Lack of market support. Lack of awareness on export oriented horticulture. Inadequate credit flow.	
3	Ranaghat	Shantipur	Choto Kulia Boro Kulia Laxminath pur Charpanpara Bagdebitala Charsutragar	Paddy, jute, mustard, winter & summer vegetables, pulse crop, fruits mainly mango, guava, banana, goatery, poultry, cattle flower		
4	Krishnanagar	Chapra	Charatala	Maize		
		Kaligang	Dingal	Bee keeping		
		Nakashipara	Dahakhali Dahakula Jugpur	High value crops		
		Krishnagar I	Hatisala North (Bahadurpur) Mahishdanga	Pulse and oilseed crops		
		Krishnagar II	Anandanagar	Pulse and oilseed crops		
		Hanskhali	Gopalpur Mumjoan Ghosh kamalpur Itaberia, daluigram Jaipur	Pulse and oilseed crops		
5	Tehatta	Karimpur	Balia sisha Patta buka Shikarpur,	Paddy, wheat, pulses, jute, betel vine		

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
			harekrishnapur, gandharajpur			

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS in 2017-18 for its development and action plan

Name of village	Block	Action taken for development
Fatehpur	Hanskhali	Organic production system
Dahakula	Nakashipara	On farm trail, front line demonstration and training of Various horticultural crops.
Champatala	Chakdah	Pest and disease management programme on various vegetables carried out.
Gopalpur	Hanskhali	Krishi mela, training trail and demonstration.
Kadambagachi	Chakda	Pest and disease management programme on various vegetables carried out
Mahishdanga	Krishnagar - I	Pest and disease management programme on various vegetables carried out
Satyapole and Bhabanipore	Haringhata	Pest and disease management programme on various vegetables carried out
Panchberia	Ranaghat -II	On farm trail, front line demonstration and training of Various horticultural crops
Puratan Chapra	Ranaghat -II	On farm trail, front line demonstration and training of Various horticultural crops

2. d. Sansad Adarsh Gram Yojona: NA

i) Name of the village under Sansad Adarsha Gram Yojona:
ii) Contribution of KVK in the programme:

2.1 Priority thrust areas

Sl. No	Thrust area
1.	Judicious application of inputs under existing production system
2.	Introduction of farmer-led branded seed production grid.
3.	Improvement of pulse based cropping system.
4.	Judicious plant protection
5.	Crop diversification
6.	Value addition and post harvest management of crops
7.	Performance improvement of crop –fish-livestock based backyard system
8.	Increased economic mainstreaming of women through capacity building and capability up gradation.

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievement of mandatory activities by KVK during the year

OFT						FLD					
No. of technologies: 6						No. of technologies: 23					
Number of OFTs		Number of farmers				Number of FLDs		Number of farmers			
			Achievement						Achievement		
Target	Achievement	Target	SC/ ST	Others	Total	Target	Achievement	Target	SC/ ST	Others	Total
6	6	42	40	34	74	23	23	1000	647	658	1305

Training						Extension activities					
Number of Courses		Number of Participants				Number of activities		Number of participants			
			Achievement						Achievement		
Target	Achievement	Target	SC/ ST	Others	Total	Target	Achievement	Target	SC/ ST	Others	Total
90	90	2585	1720	1765	3485	1000	1191	2000	1163	1314	2477

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
70 q	72.1 q	1.00	1.25

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement

* Give no. only in case of fish fingerlings

Publication by KVKs		
Item	Number	No. circulated
Research paper	2	
Seminar/conference/ symposia papers	-	
Books	1	
Bulletins	-	
News letter	-	

Popular Articles	2	
Book Chapter	-	
Extension Pamphlets/ literature	2	
Technical reports	-	
Electronic Publication (CD/DVD etc)	2	
TOTAL		

B. Achievements on technologies assessed and refined

OFT-1

1.	**Title of On farm Trial**	Management of yellow mite in chilli under irrigated upland situation of Nadia district, West Bengal.
2.	**Problem diagnose**	Chilli is one of the most popular vegetable in Nadia district and numbers of farmers are dependent on chilli cultivation. It is mainly planted in the month of May and it is badly harbored by yellow mite (*Polyphagotersonimus latus*). Huge infestation occurs in the later stages of the crop due to prevalence of favourable weather condition and even 80% plants may get damaged due to infestation of the pest. Due to heavy infestation plants become stunted, flower drops and yield reduce drastically.
3.	**Details of technologies selected for assessment/refinement**	**Technology option 1 =** Spraying with Diafenthiuron @ 1g/L after initiation of infestation. **Technology option 2 =** Spraying with Spiromesifen @ 0.75ml/L after initiation of infestation. **Farmers' practice:** Indiscriminate use of pesticide mainly, monocrotophos, imidachlorprid, avamechtin etc.
4.	**Source of Technology**	B.C.K.V
5.	**Production system and thematic area**	Vegetable based production system IPM

6. Performance of the Technology with performance indicators

Technology option	Average no insect/ 3 leaf after 3 days of spraying	Average yield (q/ha)	Gross cost (Rs./ha)	Gross return (Rs./ha)	BC Ratio
Technology option 1 = Spraying with Diafenthiuron @ 1g/L after initiation of infestation.	11.53	75.24	84950.00	195624.00	2.30
Technology option 2 = Spraying with Spiromesifen @ 0.75ml/L after initiation of infestation	8.79	80.32	85270.00	208832.00	2.44
Farmer's practice (indiscriminate use of pesticide)	19.82	62.47	87500.00	162422.00	1.85
SEm+	**0.936**	**1.54**	**-**	**-**	**-**
CD(P=0.05)	**3.425**	**6.13**		**-**	**-**

7.	**Final recommendation for micro level situation**	From the result it is clear that the Technology option 1 & 2 that is Spraying with Diafenthiuron @ 1g/L and Spraying with Spiromesifen @ 0.75ml/L exhibited superiority in all the parameters than the farmer practice, and Technology option 1 that is Spraying with Spiromesifen @ 0.75ml/L exhibited the best result.
8.	**Constraints identified and feedback for research**	
9.	**Process of farmers participation and their reaction**	Active participation of farmer from planning to execution. Encouraging response from the farmer end as they got higher yield in both the technology options. Farmers also mentioned that it is a very simple technology, easy to carry out and effective also.

Thematic area: **Integrated pest management**
Problem definition: High infestation of yellow mite in chilli.
Technology assessed: efficiency of some insecticides to control yellow mite in chilli.
Table:

Technology option	No. of trials	Average no insect/ 3 leaf after 3 days of spraying	Average yield (q/ha)	Gross cost (Rs./ha)	Gross return (Rs./ha)	BC Ratio
Technology option 1 = Spraying with Diafenthiuron @ 1g/L after initiation of infestation.	7	11.53	75.24	84950.00	195624.00	2.30
Technology option 2 = Spraying with Spiromesifen @ 0.75ml/L after initiation of infestation		8.79	80.32	85270.00	208832.00	2.44
Farmer's practice (indiscriminate use of pesticide)		19.82	62.47	87500.00	162422.00	1.85

Results: From the result it is clear that the Technology option 1 & 2 exhibited higher yield and lower infestation of yellow mite than the farmer practice.

OFT-2

1.	**Title of On farm Trial**	Assessment of efficiency of integrated approach of healthy seedling raising in management of viral disease in ious crops.
2.	**Problem diagnose**	Solanacious crops are very important vegetable crops and are cultivated through out the year. But most of the crops are badly affected by viral diseases which are spread by vactors. This disease may cause 80-90% loss of the crop.
3.	**Details of technologies selected for assessment/refinement**	**Technology option 1 =** Seedling raising in plug tray under 60 mesh mosquito net-.(other practices are normal cultural practices). Barier cropping with maize . **Technology option 2 =** Seedling raising in plug tray under 60 mesh mosquito net ,use of yellow trap in the main field. -.(other practices are normal cultural practices). Barier cropping with maize **Farmers' practice:** Seed sowing in the nursery bed other practices are normal cultural practices.
4.	**Source of Technology**	B.C.K.V
5.	**Production system and thematic area**	Vegetable based production system IPM

6. Performance of the Technology with performance indicators

Technology option	PDI (Mean)	Average yield (q/ha)	Gross cost (Rs./ha)	Gross return (Rs./ha)	BC Ratio
Technology option 1 = Seedling raising in plug tray under 60 mesh mosquito net-.(other practices are normal cultural practices). Barier cropping with maize	7.30 (0.91)*	721.7	100500.00	288680.00	2.87
Technology option 2 = Seedling raising in plug tray under 60 mesh mosquito net ,use of yellow trap in the main field. -.(other practices are normal cultural practices). Barier cropping with maize	5.32 (0.7)*	743.2	102000.00	297280.00	2.91
Farmers' practice: Seed sowing in the nursery bed other practices are normal cultural practices	21.03 (1.43)*	523.4	112500.00	209360.00	1.86

		SEm+	**0.873**	**1.37**	**-**	**-**	**-**
		CD(P=0.05)	**3.124**	**4.83**		**-**	**-**
7.	**Final recommendation for micro level situation**	From the result it is clear that the Technology option 1 & 2 exhibited superiority in all the parameters than the farmer practice, and Technology option 2 that is Seedling raising in plug tray under 60 mesh mosquito net ,use of yellow trap in the main field. -.(other practices are normal cultural practices). Barier cropping with maize exhibited the best result.					
8.	**Constraints identified and feedback for research**						
9.	**Process of farmers participation and their reaction**	Active participation of farmer from planning to execution. Encouraging response from the farmer end as they got higher yield in both the technology options. Farmers also mentioned that it is a very simple technology, easy to carry out and effective also.					

PDI- Percent Disease Index, * Figures in parenthesis are the mean value of white fly present per top leaf through out the crop season.

Thematic area: **Integrated pest management**
Problem definition: High infestation of viral disease in solanacious crops.
Technology assessed: Efficiency of integrated approach of healthy seedling raising technique.
Table:

Technology option	No. of trials	PDI (Mean)	Average yield (q/ha)	Gross cost (Rs./ha)	Gross return (Rs./ha)	BC Ratio
Technology option 1 = Seedling raising in plug tray under 60 mesh mosquito net-.(other practices are normal cultural practices). Barier cropping with maize	7	7.30 (0.91)*	721.7	100500.00	288680.00	2.87
Technology option 2 = Seedling raising in plug tray under 60 mesh mosquito net ,use of yellow trap in the main field. -.(other practices are normal cultural practices). Barier cropping with maize		5.32 (0.7)*	743.2	102000.00	297280.00	2.91
Farmers' practice: Seed sowing in the nursery bed other practices are normal cultural practices		21.03 (1.43)*	523.4	112500.00	209360.00	1.86

PDI- Percent Disease Index, * Figures in parenthesis are the mean value of white fly present per top leaf through out the crop season
Results: From the result it is clear that the Technology option 1 & 2 exhibited higher yield and lower infestation of viral disease than the farmer practice.

OFT 3

1.	Title of On farm Trial	**Performance evaluation of improved high yielding varieties of Blackgram in *kharif* season under irrigated farming situation of high humid New Alluvial Zone of Nadia**
2.	Problem diagnosed	Low production potentiality of local cultivars with lots of impurities
3.	Details of technologies selected for assessment/refinement	Farmers' practice = **Sarada** Technology option 1 = **PU-31** Technology option 2 = **Goutam** **Seed treatment:** Inoculation of seed with ***Rhizobium*** @ 1.5 kg / 22.5 kg of seed requiring for one hectare of land). **Micronutrients:** Application of **Micronutrients** @ 1.8 kg / ha (2g / *l* of water with two sprays 21 DAS and before flowering).
4.	Source of Technology	BCKV
5.	Production system and thematic area	Jute-**Blackgram**-Lentil Varietal Evaluation

6. Performance of the Technology with performance indicators

Treatment	Plant Height (cm)	No. of primary branches /plant	Pod/ plant	Seed/ pod	1000 seed weight (g)	Seed yield (q/ha)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net return (Rs./ha)	B:C ratio
Farmers' Practice (Sarada)	27.3	5.2	25.6	5.0	21.0	10.2	28,500/-	53,250/-	24,750/-	1.9
Technology option 1 (**PU-31**)	24.6	7.4	38.0	6.9	29.2	12.4	29,250/-	63,590/-	34,340/-	2.2
Technology option 2 (**Goutam)**	30.3	6.8	34.2	6.2	27.6	11.7	29,250/-	60,000/-	30,750/-	2.0
CD	**NS**	**2.028**	**10.21**	**1.8943**	**NS**	**3.6012**	-	-	-	-

7.	Final recommendation for micro level situation	Variety **PU-31** performed better than the other varieties.

8.	Constraints identified and feedback for research	Less-availability of **PU-31** in the market and problem in storage.
9.	Process of farmers participation and their reaction	Active participation of farmer from planning to execution. Encouraging response from the farmer end as they got better price due to high yield and better colour and texture of the product.

Thematic area: Varietal evaluation
Problem definition: Low production potentiality of local cultivars with lots of impurities
Technology assessed: Seed production potential of the varieties
Table:

Technology option	No. of trials	Plant Height (cm)	No. of primary branches/plant	Pod/plant	Seed/pod	1000 seed weight (g)	Seed yield (q/ha)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net return (Rs./ha)	B:C ratio
Farmers' Practice (Sarada)	7	27.3	5.2	25.6	5.0	21.0	10.2	28,500/-	53,250/-	24,750/-	1.9
Technology option 1 (**PU-31**)	7	24.6	7.4	38.0	6.9	29.2	12.4	29,250/-	63,590/-	34,340/-	2.2
Technology option 2 (**Goutam)**	7	30.3	6.8	34.2	6.2	27.6	11.7	29,250/-	60,000/-	30,750/-	2.0

Results: From the result it is clear that the Technology option 1 that is variety **PU-31** exhibited higher yield than the farmer practice. It also fetch higher price in the market due to better colour and texture.

OFT 4

1.	Title of On farm Trial	**Determination of sex ratio with respect to speed of germination in papaya (*Carica papaya)* in upland situation of New Alluvial Zone of Nadia, West Bengal**
2.	Problem diagnosed	More numbers of male plants and rouging unwanted male plants from female papaya plants is a cumbersome procedure usually faced in papaya cultivation. The sex cannot be determined before four months from seed germination (i.e. at flowering stage). This causes great loss in this type of cash crop.
3.	Details of technologies selected for assessment/refinement	**Farmers' practice:** Sowing of 2-3 seedlings/pit and rouging unwanted male plants from female papaya plantings at flowering stage. **Technology option 1:** Seedlings which are germinated within 0-14 DAS. **Technology option 2:** Seedlings which are germinated within 15-21 DAS. **Technology option 3:** Seedlings which are germinated within 22-28 DAS.
4.	Source of Technology	BCKV
5.	Production system and thematic area	Papaya (through out the year) Nursery management

6. Performance of the Technology with performance indicators

Treatment	Male Plant (%)	Female Plant (%)	Male-Female Ratio	Total production(q/ha)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net return (Rs/ha)	B:C ratio
Farmers' Practice	56	44	1.27	942	2,30,000	5,65,200	3,32,200	2.46
Technology option 1	58	42	1.38	948	2,40,000	5,68,800	3,28,800	2.37
Technology option 2	52	48	1.08	998	2,40,000	5,98,800	3,58,800	2.49
Technology option 3	54	46	1.17	980	2,40,000	5,88,000	3,48,000	2.45
CD	-	-	-	-	-	-	-	-

7.	Final recommendation for micro level situation	Not statistically but from the experimental field it was observed that the **Technology option-2 (Seedlings which are germinated within 15-21 DAS)** shows a little bit better result than the others.
8.	Constraints identified and feedback for research	*Carica papaya* is a polygamous diploid plant species with three basic sex types; male, female and hermaphrodite. Dioecious nature of papaya is one of the major constraints for papaya for large-scale cultivation. The present study deals with assessment of sex ratio in respect of speed of germination in papaya (*Carica papaya)* in upland situation

		of Nadia district, West Bengal with Ranchi Local variety of papaya. But from the present experiment it was not clear that the the Technology option-2 (Seedlings which are germinated within 15-21 DAS) is best, but it shows a little bit better result than the others.
9.	Process of farmers participation and their reaction	Active participation of farmer from planning to execution. Encouraging response from the farmer end as they got high interest regarding this cash crop to increase more number of female plants in the field and avoid rouging at late crop stage (i.e. at flowering stage) to increase productivity.

Thematic area: Nursery management

Problem definition: More numbers of male plants and rouging unwanted male plants from female papaya plants is a cumbersome procedure usually faced in papaya cultivation. The sex cannot be determined before four months from seed germination (i.e. at flowering stage). This causes great loss in this type of cash crop.

Technology assessed: Determination of sex ratio with respect to speed of germination in papaya

Table:

Treatment	Male Plant (%)	Female Plant (%)	Male-Female Ratio	Total production (q)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net return (Rs/ha)	B:C ratio
Farmers' Practice	56	44	1.27	942	2,30,000	5,65,200	3,32,200	2.46
Technology option 1	58	42	1.38	948	2,40,000	5,68,800	3,28,800	2.37
Technology option 2	52	48	1.08	998	2,40,000	5,98,800	3,58,800	2.49
Technology option 3	54	46	1.17	980	2,40,000	5,88,000	3,48,000	2.45

Results: Not statistically but from the experimental field it was observed that the **Technology option-2 (Seedlings which are germinated within 15-21 DAS)** shows a little bit better result than the others.

OFT-5

1.	Title of On farm Trial	**Profitability enhancement of commercial banana (var. Grand Nain) enterprise through HDP under irrigated new alluvial zone farming system of Nadia district**
2.	Problem diagnose	Commercial banana having declining productivity especially less utilization of space and other natural resources and thus leading to less remuneration from the crop.
3.	Details of technologies selected for assessment/refinement	**Farmers' Practice =** Single row and 1 plant/pit, spacing 1.8m x 1.8 m (3000plant/ha) **Technology option 1 =** Single row and 2 plant/pit, spacing 1.8m x 2.25 m (4800 plant/ha) **Technology option 2 =** Paired row and 1 plant/pit, spacing 1.3m x 1.3 m x 2.2m (4200 plant/ha)
4.	Source of Technology	BCKV
5.	Production system and thematic area	Banana based perennial system. Crop diversification/High Density Planting (HDP).
6.	Performance of the Technology with performance indicators	

Technology option	Plant height (cm) at 12 MAP	Pseudo stem girth (cm) at 12 MAP	% bunch emergence at 9 MAP	Ave. no. of hand per bunch	Ave. no. of finger per bunch	Ave. bunch wt (kg)	Yield/ha (t/ha)	BCR
Farmers' Practice = Single row and1 plant/pit, spacing 1.8m x 1.8 m (3000plant/ha).	176.22	72.56	84.76	8.14	179.17	36.00	108.01	2.67
Technology option 1 = Single row and 2 plant/pit, spacing 1.8m x 2.25 m (4800 plant/ha).	211.17	81.80	94.94	10.13	194.03	47.70	203.92	2.91
Technology option 2 = Paired row and 1 plant/pit, spacing 1.3m x 1.3 m x 2.2m (4200 plant/ha).	179.17	67.41	81.03	7.57	123.54	32.74	147.32	2.60
SEm±	3.27	2.95	1.35	0.24	17.68	1.21	4.35	
CD(P=0.05)	10.19	9.18	4.21	0.75	55.09	3.78	13.56	

7.	Final recommendation for micro level situation	From the result it is clear that the Technology option 1 i.e. HDP planting with 2 plants per pit with spacing of 1.8m X 2.25 m (4800plant/ha) has perform significant superior than the other option as wel as the farmers' practice. For the additional plant population, additional 50% recommended fertilizer were added, but the new crop geometry permits more light and space to the crop cnopy (both upper and lower portion). These two factors

		may be the major contributor for the better yield from the unit area adopting HDP. For the paired row method, the new crop geometry causes reduction of light and more dence and spreading plant population with growing phase, which may ultimately resulted compaeratably poor yield.
8.	Constraints identified and feedback for research	Fertlizer recommendation with HDP model need to be specified. Spacing may be re-adjusted for paired row method.
9.	Process of farmers participation and their reaction	PRA, GD and training and Field Day. Interested farmer already started adopting HDP on Banana (G-9) following the TP1 (Single row and 2 plant/pit, spacing 1.8m x 2.25 m (4800 plant/ha).

Thematic area: Cultivation of fruits**.**
Problem definition: Non-profitable banana cultivation.
Technology assessed: Crop diversification/High Density Planting (HDP).
Table:

Technology option	Plant height (cm) at 12 MAP	Pseudo stem girth (cm) at 12 MAP	% bunch emergence at 9 MAP	Ave. no. of hand per bunch	Ave. no. of finger per bunch	Ave. bunch wt (kg)	Yield/ha (t/ha)	Gross Cost (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	BCR
Farmers' Practice = Single row and1 plant/pit, spacing 1.8m x 1.8 m (3000plant/ha).	176.22	72.56	84.76	8.14	179.17	36.00	108.01	225000/-	600000/-	375000/-	2.67
Technology option 1 = Single row and 2 plant/pit, spacing 1.8m x 2.25 m (4800 plant/ha).	211.17	81.80	94.94	10.13	194.03	47.70	203.92	330000/-	961875/-	631875/-	2.91
Technology option 2 = Paired row and 1 plant/pit, spacing 1.3m x 1.3 m x 2.2m (4200 plant/ha).	179.17	67.41	81.03	7.57	123.54	32.74	147.32	345750/-	900000/-	554250/-	2.60
SEm±	3.27	2.95	1.35	0.24	17.68	1.21	4.35				
CD(P=0.05)	10.19	9.18	4.21	0.75	55.09	3.78	13.56				

Result: From the result it is clear that the Technology option 1 i.e. HDP planting with 2 plants per pit with spacing of 1.8m X 2.25 m (4800plant/ha) has perform significant superior than the other option as wel as the farmers' practice. For the additional plant population, additional 50% recommended fertilizer were added, but the new crop geometry permits more light and space to the crop cnopy (both upper and lower portion). These two factors may be the major contributor for the better yield from the unit area adopting HDP. For the paired row method, the new crop geometry causes reduction of light and more dence and spreading plant population with growing phase, which may ultimately resulted compaeratably poor yield.

OFT-6

1.	Title of On farm Trial		**Profit maximization of mango orchard through multiple cropping systems under irrigated new alluvial zone of Nadia district.**					
2.	Problem diagnose		Mango orchards are mostly mono cropped. Recently vegetables are grown as inter crop in mango orchard for initial 5-6 years only. As light penetration reduces with the increasing canopy of the main crop, the vegetable growing as inter crop become non suitable. Ginger, turmeric, black pepper may suitably be fitted with mango orchard from 7-8 years onward as the light requirement of these crops is within 40% of the total available sunlight. The market value of ginger and black pepper is very high. Turmeric is highly suited crop for this type of farming situation, though the market demand varying year to year but other than household consumption, it has great impact on harmful flora and fauna of the specific micro situation.					
3.	Details of technologies selected for assessment/refinement		**Farmer Practice =** Mango (Himsagar) as mono crop **Technology option1 =** Mango + Ginger (var. Gurubathan) as intercrop **Technology option 2 =** Mango + Turmeric (var. soguna) as intercrop					
4.	Source of Technology		BCKV					
5.	Production system and thematic area		Mango based perennial system. Crop diversification/Intercropping.					
6.	Performance of the Technology with performance indicators	**Technology option**	**Yield of main crop (mango) (q/ha)**	**Yield of turmeric (q/ha))**	**Yield of ginger (q/ha))**	**Mango equivalent yield (MEY) of system**	**B:C ratio**	

						(q/ha)	
		Farmer Practice = Mango (Himsagar)as mono crop	118.24	-	-	118.24	5.80
		Technology option 1 = Mango + Ginger (var. Gurubathan) as intercrop	130.99	-	83.38	264.40	3.75
		Technology option 2 = Mango + Turmeric (var. soguna) as intercrop	133.79	142.23	-	276.01	5.61
		SEm+	2.151			4.12	-
		CD(P=0.05)	6.703			12.83	-
7.	Final recommendation for micro level situation		From the result it is clear that the Technology option 2 i.e. mango inter-cropped with turmeric (Mango Equivalent Yield (MEY) 276.01 q/ha) perform better than the ginger intercropping (MEY 264.40 q/ha). The yield in case of Farmer Practice i.e. Cultivation of mango as mono crop is 118.24 q/ha. The introduction of intercropping has also enhanced the yield from the main crop, which is 130.99 q/ha and 133.79 q/ha in intercropped system of ginger and turmeric respectively. This extra yield may be due to the better management of the soil surface and the additional inputs, which has benefitted both the crop. Though the B:C ratio is higher in case of mono cropping, but the intercropping has yielded additional 90-110 % more net return.				
8.	Constraints identified and feedback for research		The yield of ginger and turmeric is not upto the expectation, region specific varieties and plant protection measures specifically for ginger need to be addressed.				
9.	Process of farmers participation and their reaction		Active participation of farmer from planning to execution.				

Thematic area: Cultivation of fruits**.**
Problem definition: Under utilization of mango orchard.
Technology assessed: Intercropping / multiple cropping of mango.

Table:

Technology option	Yield of main crop (mango) (q/ha)	Yield of turmeric (q/ha))	Yield of ginger (q/ha))	Mango equivalent yield (MEY) of system (q/ha)	Gross Cost (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
Farmer Practice = Mango (Himsagar)as mono crop	118.24	-	-	118.24	51000.00	295607.00	244607.00	5.80
Technology option 1 = Mango + Ginger (var. Gurubathan) as intercrop	130.99	-	83.38	264.40	176250.00	660996.00	484746.00	3.75
Technology option 2= Mango + Turmeric (var. soguna) as intercrop	133.79	142.23	-	276.01	123000.00	690036.00	567036.00	5.61
SEm+	2.151						-	-
CD(P=0.05)	6.703						-	-

Result: From the result it is clear that the Technology option 2 i.e. mango inter-cropped with turmeric (Mango Equivalent Yield (MEY) 276.01 q/ha) perform better than the ginger intercropping (MEY 264.40 q/ha). The yield in case of Farmer Practice i.e. Cultivation of mango as mono crop is 118.24 q/ha. The introduction of intercropping has also enhanced the yield from the main crop, which is 130.99 q/ha and 133.79 q/ha in intercropped system of ginger and turmeric respectively. This extra yield may be due to the better management of the soil surface and the additional inputs, which has benefitted both the crop. Though the B:C ratio is higher in case of mono cropping, but the intercropping has yielded additional 90-110 % more net return.

3.2 Achievements of Frontline Demonstrations

C. Details of FLDs conducted during the year

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
				Proposed	Actual	SC/ST	Others	Total	
1.	Cauliflower	Off season cultivation	Off season type varieties	6.0	6.0	11	09	20	NA
2.	Cabbage	Off season cultivation	Off season type varieties	7.0	7.0	13	11	24	NA
3.	Solanaceous & Cole crops	Vegetable nursery management	Seedling production in plug tray	100 nos	97 nos	48	49	97	NA
4.	Cucurbits	Vegetable nursery management	Seedling rising of cucurbits in poly bags.	120 nos	123 nos	33	90	123	NA
5.	Banana	Value Addition	bunch cover (polypropelene)	5.00	5.00	22	39	61	NA
6.	Vegetables	Women Empowerment	Kitchen Garden	90 unit	90 unit	90	-	90	NA
7.	Mango	Fruit fly management	Methyl euzenol trap	10.0	10.0	10	13	23	NA
8.	Pointed gourd (Cucurbitacious crop)	Fruit fly management	Cuelure trap	4.0	4.0	17	9	26	NA
9.	Brinjal	Fruit and shoot borer management	Pheromone trap	5.0	5.33	18	20	38	NA
10.	Guava	Fruit fly management	Methyl euzenol trap	4.0	5.0	16	6	22	NA
11.	Ber	Fruit fly management	Methyl euzenol trap	2.0	9.0	16	22	38	NA

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Cauliflower	Summar, 17	Irrigated	Sandy loam	1.02	18.10	123.22	Vegetable	4th week of April	From 2nd July		
Cabbage	Early Rain,17	Irrigated	Sandy loam	1.12	18.50	126.12	Vegetable	2nd week of June	From 4th week of August		
Solanaceous & Cole crops	Rabi,17	Irrigated	Loam to Sandy loam	1.14	16.68	132.12	Vegetable	Sept.,17	From 2nd week of Nov.		
Cucurbits	Early Summer,17-18	Irrigated	Loam to Sandy loam	1.09	22.03	123.54	Vegetable	Jan.,17	Expected from 1st week of April.		
Banana	Year the round	Irrigated	Loamy	1.22	16.80	137.15	Banana	June,17	-		
Vegetables	Year the round	Irrigated	Backyard	1.04	16.82	135.40	-	Octo.,17	Throughout the year		
Mango	Summer	Irrigated	Loamy	1.19	16.27	119.2	Mango	Old orchard	May- july		
Pointed gourd (Cucurbitacious crop)	Round the year	Irrigated	Loam to Sandy loam	1.05	18.32	127.6	Vegetable	1st week of August	Through out the year		
Brinjal	Post kharif to summer	Irrigated	Sandy loam	1.12	14.36	152.0	Vegetable	End of September	End of November to June		
Guava	Round the year	Irrigated	Loamy	1.34	15.52	117.36	Guava	Old orchard	Through out the year		
Ber	Spring summer	Irrigated	Sandy loam	1.06	18.31	122.3	Ber	Old orchard	February to April		

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Mustard	New variety	New variety (JD-6) with improved package of practice	174	30.0	12.0	10.12	18.57	28500/-	44400/-	15900/-	1.6	27750/-	37444/-	9694/-	1.3
Ground nut	Seed production	New variety with seed production	98	20.0	Yield awaited	-	-	-	-	-	-	-	-	-	-
Sesame	Seed production	New variety with seed production	173	30.0	Yield awaited	-	-	-	-	-	-	-	-	-	-
Total			**445**	**80.0**											

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Black gram	New variety with improved package of practice	New variety (sulata) with seed treatment with Rhizobium, application of PSB, micronutrients	110	20.0	12.0	10.65	12.67	29250/-	60000/-	30750/-	2.0	28500/-	53250/-	24750/-	1.9
Green gram	New variety with improved package of practice	New variety (Bireswar) with seed treatment with Rhizobium, application of PSB, micronutrients	135	20.0	12.37	11.25	9.95	30750/-	68035/-	37285/-	2.2	29250/-	61875/-	32625/-	2.1
Lentil	New variety with improved package of practice	New variety (Moitree) with seed treatment with Rhizobium, application of PSB, micronutrients, Triacontanol	103	20.0	12.0	10.12	18.58	30000/-	54000/-	24000/-	1.8	26250/-	45540/-	19290/-	1.7
Field pea	New variety with improved package of practice	New variety (Prakash) with seed treatment with Rhizobium, application of PSB, micronutrients, Boron	50	10.0	14.25	12.2	16.8	29250/-	49875/-	20625/-	1.7	27750/-	42700/-	14950/-	1.5
Chick pea	New variety with improved package of practice	New variety (JAKI-9218) with seed treatment with Rhizobium, application of PSB, micronutrients, Magnesium	80	20.0	13.5	11.6	16.3	42000/-	87750/-	45750/-	2.1	39000/-	75400/-	14950/-	1.9

Green gram	New variety with improved package of practice	New variety (Bireswar) with seed treatment with Rhizobium, application of PSB, micronutrients, Magnesium	60	10.0											
	Total		**538**	**100.0**											

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Cauliflower	Crop diversification	Off season cultivar var. Don/Merit 10 (F1 hybrid)	20	6.00	141.00	-	-	-	-	2.10 lacs	3.75 lacs	1.65 lacs	1.79	-	-	-	
Cabbage	Crop diversification	Off season cultivar var. NS 43 (F1 hybrid)	24	7.00	193.00	-	-	-	-	2.25 lacs	4.12 lacs	1.87 lacs	1.83	-	-	-	-
Mango	Fruit fly management	Methyl euzenol trap	20	10.0	257.9	224.6	14.82	9% less insecticide	-	112000/-	386850/-	274850/-	3.45	125000/-	336900/-	211900/-	2.69
Pointed gourd (Cucurbitacious crop)	Fruit fly management	Cuelure trap	30	4.0	124.5	106.5	16.9	12% less insecticide spray	-	54620/-	99600/-	44980/-	1.82	58750/-	85200/-	26450/-	1.45
Brinjal	Fruit and shoot borer management	Pheromone trap	40	5.33	314.2	248.7	26.33	41% less insecticide spray	-	60800/-	188520/-	127720/-	3.10	71000/-	149220/-	78220/-	2.10
Guava	Fruit fly management	Methyl euzenol trap	30	5.0	615.4	502.5	22.46	15% less pesticide spray	-	187500/-	923100/-	735600/-	4.92	232500/-	753750/-	521250/-	3.24
Ber	Fruit fly management	Methyl euzenol trap	45	9.0	427.6	347.25	23.13	18% less insecticide spray	-	210000/-	855200/-	645200/-	4.07	243750/-	694500/-	450750/-	2.84
		Total	**209**	**46.33**													

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	
Total																	

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																	
Mussels																	
Ornamental fishes																	
Others (pl.specify)																	
		Total															

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Vegetable Nursery	Seedling production in plug tray	97	97	97 % success	73 % success	24%	Crop harvested in 60 DAP	Crop harvested in 74 DAP	31,700/- per bigha	58,000/- ,per bigha	26,300/- per bigha	1.83	27,700/- per bigha	42,500/- per bigha	14,800/- per bigha	1.53
Vegetable nursery	Seedling rising of cucurbits in poly bags.	123	123	86 % success	70% success	16%	Crop harvested in 55 DAP	Crop harvested in 70 DAP	23,600/- per bigha	47,000/- per bigha	23,400/- per bigha	1.99	20,500/- per bigha	37,500/- per bigha	17,000/- per bigha	1.83
Banana value addition	bunch cover (polypropelene)	61	5.00 ha	3.06% scarred finger	56.3% scared finger	53.24%	Ave. Sale value Rs. 250/bunch	Ave. Sale value Rs. 160/bunch	2,61,000/- per ha	7,12,500/- per ha	4,51,500/- per ha	2.73	2,25,000/- per ha	5,13,000/- per ha	2,88,000/- per ha	2.28
Backyard cultivation	Nutrition Garden	90	90 unit	33.7 kg vegetable/month	5 kg/ month	28.7 kg/ month	Monthly saving of Rs. 800/-	Monthly saving of Rs. 120/-	Rs 1100 /unit	Rs. 4700/ unit	Rs. 3600/ unit	4.27	Rs 200 /unit	Rs. 600/ unit	Rs. 400/ unit	3.00
Total																

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women	**Backyard Nutrition Garden**	90	Monthly saving of Rs. 800/-	Monthly saving of Rs. 120/-	Extra earning of Rs. 680/- per month for the women.
Pregnant women					
Adolescent Girl					

Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check									

*** Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.**
**** BCR= GROSS RETURN/GROSS COST**

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (pl.specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										

Groundnut										
Soybean										
Others (pl.specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (pl.specify)										
Total										
Vegetable crops										
Cauliflower	Merit 10 Dwan	20	6.00	141.00	-	-	2.10 lacs	3.75 lacs	1.65 lacs	1.79
Cabbage	NS 43	24	7.00	193.00	-	-	2.25 lacs	4.12 lacs	1.87 lacs	1.83
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (pl.specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (pl.specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										

Others (pl.specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Off season cultivation of cole crops	Highly accepted by the farmer.
2	Seedling production in plug tray	Caused early harvest, less disease problems, highly accepted by the farmer.
3	Seedling rising of cucurbits in poly bags.	Caused early harvest, less disease problems, highly accepted by the farmer.
4	Bunch cover (polypropelene)	Quality finger, scar free, high market acceptance.
5	Nutrition Garden	Women empowerment, monthly expenditure saving, protect mal-nutrition specially the tribals.
7	Mango	Fruit fly management with methyl euzenol trap is a very effective method. It is easy and cost effective technique. Pesticide application reduced at least 9%. It is most effective when large area covered by the trapping method
8	Pointed gourd (Cucurbitacious crop)	Fruit fly management with cuelure trap is a very effective method. It is easy and cost effective technique. Pesticide application reduced at least 12%. It is most effective when large area covered by the trapping method
9	Brinjal	Pheromone trap (water trap) is very effective, it reduces 41% pesticide load. It is not that much available in the market. It is most effective when large area covered by the trapping method. Water based trap is more effective.
10	Guava	Fruit fly management with methyl euzenol trap is a very effective method. It is easy and cost effective technique. Pesticide application reduced at least 15%. It is most effective when large area covered by the trapping method
11	Ber	Fruit fly management with methyl euzenol trap is a very effective method. It is easy and cost effective technique. Pesticide application reduced at least 18%. It is most effective when large area covered by the trapping method

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	12.05.17, 23.05.17, 25.10.2017, 01.11.17, 16.11.17, 14.12.17, 20.12.17, 05.03.2018, 01.03.2018, 16.02.18, 08.03.2018,29.03.18, 30.03.18, 31.03.18	14	280	Field day is very much effective to the new farmers to understand the performance of the new technology.
2.	Farmers Training	11.08.17, 18.08.17, 21.08.17, 28.08.17, 02.08.17, 17.08.17, 29.08.17, 13.09.17, 07.09.2017, 12.09.2017, 13.09.2017, 21.09.2017, 23.10.2017, 10.11.17, 21.11.17, 23.11.2017, 24.11.2017, 28.11.2017, 17.11.2017, 01.11.2017, 05.12.2017,	24	965	Continuous training improved the package of practice in FLD
3.	Media coverage				
4.	Training for extension functionaries				

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2017 and Rabi 2017-18:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Black gram	Sarada	10.65	7.74	4.66	15.0	Variety- Sulata Seed treatment, biofertilizer, PSB, Micronutrient	110	20.0	12.8	10.9	12.0	55	157	-20
2	Green gram	local	11.25	6.38	6.79	15.0	Variety- Bireswar Seed treatment, biofertilizer, PSB, Micronutrient	135	20.0	12.7	10.8	12.37	93	82	-17.5
3	Lentil	Local	10.12	11.21	9.59	15.0	Variety- Moitree Seed treatment, biofertilizer, PSB, Micronutrient, Triacontanol	103	20.0	14.25	10.5	12.0	7.0	25.1	-20.0
4	Field pea	Local	12.2	9.16	11.89	15.5	Variety- Prakash Seed treatment, biofertilizer, PSB, Micronutrient, Boron	50	10.0	12.5	15.1	14.25	55.6	19.8	-8.8
5	Chick pea	Mahamaya	11.6	9.26	7.96	21.0	Variety- JAKI-9218 Seed treatment, biofertilizer, PSB, Micronutrient, Magnesium	80	20.0	12.0	16.5	13.5	45.8	69.6	-55.5

6	Green gram	local					Variety- Bireswar Seed treatment, biofertilizer, PSB, Micronutrient	60	10.0						
7	Mustard	B-9	10.12	11.7	10.49	15.0	Variety- JD-6 Seed treatment, Sulphur	174	30.0	13.5	10.9	12.0	2.6	14.4	-20.0
8	Ground nut	TAG-24					Variety- TG-51 Seed treatment, biofertilizer, PSB, sulphur	98	20						
9	sesame	Local					Variety- rama Seed treatment, PSB, Micronutrient, tricontanol	173	30						

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	Black bram Variety- Sulata Seed treatment, biofertilizer, PSB, Micronutrient	28500/-	53250/-	24750/-	1.9	29250/-	60000/-	30750/-	2.0
2	Green gram Variety- Bireswar Seed treatment, biofertilizer, PSB, Micronutrient	29250/-	61875/-	32625/-	2.1	30750/-	68035/-	37285/-	2.2

3	Lentil Variety- Moitree Seed treatment, biofertilizer, PSB, Micronutrient, Triacontanol	26250/-	45540/-	19290/-	1.7	30000/-	54000/-	24000/-	1.8
4	Field pea Variety- Prakash Seed treatment, biofertilizer, PSB, Micronutrient, Boron	27750/-	42700/-	14950/-	1.5	29250/-	49875/-	20625/-	1.7
5	Chick pea Variety- JAKI-9218 Seed treatment, biofertilizer, PSB, Micronutrient, Magnesium	39000/-	75400/-	36400/-	1.9	42000/-	87750/-	45750/-	2.1
6	Green gram	On going							
7	Mustard Variety- JD-6 Seed treatment, Sulphur	27750/-	37444/-	9694/-	1.3	28500/-	44400/-	15900/-	1.6
8	Ground nut	On going							
9	Sesame	On going							

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Black gram Variety- Sulata	24000	218	50.00	10	Nil	To fulfil the household need	13-14
2	Green gram Variety- Bireswar	24740	183	55.00	15	Nil	To fulfil the household need	16-17
3	Lentil Variety- Moitree	24000	233	45.00	20	Nil	To fulfil the household need	16-17
4	Field pea Variety- Prakash	14250	285	35.00	20	Nil	To fulfil the household need	18-20
5	Chick pea Variety- JAKI-9218	27000	338	65.00	30	Nil	To fulfil the household need	22-25
6	Green gram	On going						
7	Mustard Variety- JD-6	36000	207	37.00	10	Nil	To fulfil the household need	16-17

8	Ground nut	On going						
9	Sesame	On going						

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	Mustard Variety- JD-6 Seed treatment, Sulphur	Fitted with the existing farming situation	Timely supply of quality seed	Seed treatment material and sulphur are very low cost so the technology may sustain	High rainfall delayed the sowing	Yes	Farmers are happy with total package
2	Ground nut	On going					
3	Sesame	On going					

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Crop: Black gram Variety : Sulata	Good	12.7% yield increased than the locally used variety Sarada.	Variety is accepted by the farmers

Seed treatment: Inoculation of seed with ***Rhizobium***	Nitrogen fixation @ 20-30 kg / ha Yield increase upto 12.7%	Highly recommended (***Rizobium*** @ *0.75* kg / 22.5kg of seed requiring for one hectare)	Very low cost imput
PSB	Better root growth	Highly recommended (Soil application of PSB with cow dung manure @ 1.9 *l* / ha during final land perparation)	Very low cost imput
Micronutrients	Reduce flower drops and increase yield	Highly recommended (1.8 kg / ha i.e. 2g / *l* of water with two sprays 21 DAS and before flowering)	Very low cost imput
Crop: Green gram Variety : Bireswar	Good	9.9% yield increased than the locally used variety.	Variety is accepted by the farmers
Seed treatment: Inoculation of seed with ***Rhizobium***	Nitrogen fixation @ 20-30 kg / ha Yield increase upto 9.9%	Highly recommended (***Rizobium*** @ *0.75* kg / 22.5kg of seed requiring for one hectare)	Very low cost imput
PSB	Better root growth	Highly recommended (Soil application of PSB with cow dung manure @ 1.9 *l* / ha during final land perparation)	Very low cost imput
Micronutrients	Reduce flower drops and increase yield	Highly recommended (1.8 kg / ha i.e. 2g / *l* of water with two sprays 21 DAS and before flowering)	Very low cost imput
Crop: Lentil Variety : **Moitree**	Variety is very good and befitting with the existing farming system	**18.6 %** yield increased than the locally used variety by the farmers.	Variety is accepted by the farmers
Seed treatment: Inoculation of seed with ***Rhizobium***	Nitrogen fixation @ 20-30 kg / ha Yield increase upto 18.6 %	Highly recommended (***Rizobium*** @ *0.75* kg / 30 kg of seed requiring for one hectare)	Very low cost imput
PSB	Better root growth	Highly recommended (Soil application of PSB with cow dung manure @ 2 *l* / ha during final land perparation)	Very low cost imput
Micronutrients	Reduce flower drops and increase yield	Highly recommended (2 kg / ha, i.e. 2g / *l* of water with two sprays 21	Very low cost but highly effective imput

		DAS and before flowering)	
Plant Groth Regulator and Promoter	**Triacontanol** induce flowering, reduce flower drops and increase yield	Highly recommended (150 ml / ha, i.e. 1 ml / 3 *l* of water spray before flowering)	Very low cost but highly effective imput
Crop: Field pea Variety : **Prakash**	Variety is very good and befitting with the existing farming system	**16.8 %** yield increased than the locally used variety by the farmers.	Variety is accepted by the farmers
Seed treatment: Inoculation of seed with ***Rhizobium***	Nitrogen fixation @ 20-30 kg / ha Yield increase upto 16.8 %	Highly recommended (***Rizobium*** @ *0.75* kg / 60 kg of seed requiring for one hectare)	Very low cost imput
PSB	Better root growth	Highly recommended (Soil application of PSB with cow dung manure @ 2 *l* / ha during final land perparation)	Very low cost imput
Micronutrients	Reduce flower drops and increase yield	Highly recommended (@ 0.75 lit / ha, i.e. spraying of 2 ml/ *l* of water before flowering)	Highly effective imput
Boron	The main functions of boron relate to fruit and seed development and ultimately increase yield	Highly recommended (@ 2 kg / ha i.e. 2 g / *l* of water with two sprays 21 DAS and 42 DAS)	Highly effective imput
Crop: Chick pea Variety : **JAKI-9218**	Variety is very good and befitting with the existing farming system	**16.4 %** yield increased than the locally used variety Mahamaya by the farmers.	Variety is accepted by the farmers
Seed treatment: Inoculation of seed with ***Rhizobium***	Nitrogen fixation @ 20-30 kg / ha Yield increase upto 16.4 %	Highly recommended (***Rizobium*** @ *0.75* kg / 60 kg of seed requiring for one hectare)	Very low cost imput
PSB	Better root growth	Highly recommended (Soil application of PSB with cow dung manure @ 2 *l* / ha during final land perparation)	Very low cost imput
Micronutrients	Reduce flower drops and increase yield	Highly recommended (2 kg / ha, i.e. 2g / *l* of water with two sprays 21	Highly effective imput

		DAS and before flowering)	
Magnesium (Mg)	Magnesium increase Photosysthesis process as it is a building block of the Chlorophyll, which makes leaves appear green.and ultimately increase yield	Highly recommended (2 ml / *l* of water with two sprays 21 DAS and 42 DAS)	Highly effective imput
Green gram	On going		
Crop: Mustard **Variety : JD-6**	Variety is very good and befitting with the existing farming system	**18.6 %** yield increased than the locally used variety B-9 by the farmers.	Variety is accepted by the farmers
Sulphur	Mustard respond to the application of **sulphur**, moreover, the **sulphur** requirement is highest in oilseed crops in comparison with other crops, which is related to the role of this nutrient in oil biosynthesis (Ahmad et al., 2007). **Sulphur** is a component of plant amino acids, proteins, vitamins, and enzyme structures.	Highly recommended (2 kg / ha, i.e. 2g / *l* of water with two sprays 21 DAS and before flowering) Overall **18.6 %** yield increased	Very low cost but highly effective imput
Ground nut	On going		
Sesame	On going		

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
Crop: Green gram and Black gram			
1	Farmers training	11.08.17, Hatisala, Krishnanagar-I	32
2		18.08.17, Champatala, Chakdaha	35
3		21.08.17, Ganguria, Haringhata	35
4		28.08.17, Hatisala, Krishnanagar-	34
5		13.09.17, Nadia KVK, BCKV	45
6		02.08.17, Ghoshkamalpur, Hanskhali	29
7		17.08.17, Ghetugachi, Chakdaha	32
8		29.08.17, Maheshchandrapur, Chakdaha	30
9		21.09.17, Nadia KVK, BCKV	41
1	Field day	01.11.17, Champatala, Chakdaha	18
2		14.12.17, Ghoshkamalpur, Hanskhali	19
Crop: Chickpea			
	Farmers training	28.11.2017, Sutragarh, Santipur	39
		17.11.2017, Mahisdanga, Ranaghat-I	30
		05.12.2017, Nadia KVK, BCKV	50
	Field day	08.03.2018,Mahisdanga, Ranaghat-I	32
Crop: Field pea			
1	Farmers training	23.11.2017,Mahisdanga, Ranaghat-I	31
2		24.11.2017,Sutragarh, Santipur	36
3		05.12.2017,Nadia KVK, BCKV	50
1	Field day	05.03.2018, Sutragarh, Santipur	28
Crop: Lentil			
1	Farmers training	13.09.2017, Mahisdanga, Ranaghat-I	45
2		01.11.2017,Ganguria, Haringhata	33
3		05.12.2017 Nadia KVK, BCKV	50
1	Field day	01.03.2018,Ganguria, Haringhata	29
Crop: Mustard			
1	**Farmers training**	07.09.2017, Gopalpara, Karimpur-I	42
2		12.09.2017 ,Rainagar, Karimpur-I	37
3		21.09.2017 Kastodanga, Haringhata	39
4		23.10.2017 , Sundarpur, Karimpur-I	32
5		05.12.2017, Nadia KVK, BCKV	50
1	Field day	25.10.2017,Kastodanga, Haringhata	29

G. Sequential good quality photographs (as per crop stages i.e. growth & development)

H. Farmers' training photographs

I. Quality ActionPhotographs of field visits/field days and technology demonstrated.

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Black gram	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	1,50,000.00	1,49,210.00	790.00
Green gram	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	1,50,000.00	1,48,980.00	1020.00
lentil	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	1,50,000.00	1,48,500.00	1500.00
Field pea	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	75,000.00	74800.00	200.00
Chick pea	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	1,50,000.00	1,49,000.00	1000.00

Green gram	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	75,000.00	74,200.00	800.00
Mustard	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	1,80,000.00	1,70,000.00	10,000.00
Ground nut	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	1,70,000.00	1,69,800.00	200.00
Sesame	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	1,50,000.00	1,49,500.00	500.00

K. List of Farmer under FLD (Crop wise)

Crop 1: Black gram

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Suman Sarkar	Sukumar Sarkar	Chapatala	Chakdaha	7797188218		23°03'21"	88°40'29"			0.27	***	Sulata	6	12.8	10.9	12.0	10.65	12.7
Buddheshwar Sarkar	Suresh Sarkar	Chapatala	Chakdaha	7797507083						0.13			3					
Swapan Bala	Ramesh Bala	Chapatala	Chakdaha	7872757849						0.13			3					
Md Joynal ali Mondal	Abutaleb Mondal	Chapatala	Chakdaha	9733718544						0.13			3					
Biswanath Sarkar	Upendranath Sarkar	Chapatala	Chakdaha	9775510855						0.27			6					
Gita Sardar	Takur Das	Chapatala	Chakdaha	9733840628						0.27			6					
Dulal Sardar	Gangaram Sardar	Chapatala	Chakdaha	7478946410						0.13			3					
Dipankar Sardar	Balaram Sardar	Chapatala	Chakdaha	9153796068						0.13			3					
Sujay Sarkar	Surya Sarkar	Chapatala	Chakdaha	8370863389						0.27			6					
Krishna Sarkar	Shambhu nath Sarkar	Chapatala	Chakdaha	7557065162						0.13			3					
Bidyut Sarkar	Biswanath Sarkar	Chapatala	Chakdaha	7407506599						0.27			6					
Suriya Sarkar	Biswanath Sarkar	Chapatala	Chakdaha	9614076813						0.27			6					
Sukumar Sarkar	Biswanath Sarkar	Chapatala	Chakdaha	9564162280						0.27			6					
Makhon Mondal	Haridas Mondal	Chapatala	Chakdaha	9609010187						0.13			3					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Jiten Sarkar	Akshay Sarkar	Chapatala	Chakdaha	7478928340						0.13			3					
Subol Sarkar	Lt.Bihari Sarkar	Chapatala	Chakdaha	9093777362						0.27			6					
Gobinda Sarkar	Kachuram Sarkar	Chapatala	Chakdaha	9564850539						0.13			3					
Bipul Sarkar	Profullo Sarkar	Chapatala	Chakdaha	8145951147						0.27			6					
Dipali Sarkar	Dulal Sarkar	Chapatala	Chakdaha	8768951964						0.13			3					
Lakshman Sarkar	Suresh Sarkar	Chapatala	Chakdaha	7551809514						0.13			3					
Kumaresh Sarkar	Biswanath Sarkar	Chapatala	Chakdaha	9593525067						0.27			6					
Dhiren Biswas	Debendra nath Biswas	Chapatala	Chakdaha	9732529918						0.13			3					
Jharna Biswas	Swapan Biswas	Chapatala	Chakdaha	7797861393						0.13			3					
Rabin Mondal	Makhon Mondal	Chapatala	Chakdaha	9609010187						0.13			3					
Subal Biswas	Debendra nath Biswas	Chapatala	Chakdaha	9564162280						0.13			3					
Baidyanath Sarkar	Ram Gopal Sarkar	Chapatala	Chakdaha	7974334449						0.13			3					
Kiran Biswas	Debendra nath Biswas	Chapatala	Chakdaha	7872676791						0.13			3					
Rabindranath Biswas	Aditya Biswas	Chapatala	Chakdaha	9732548160						0.13			3					
Bikash Sarkar	Ajit Kumar Sarkar	Chapatala	Chakdaha	9733766597						0.13			3					
Prasashanta Sarkar	Ajit Kumar Sarkar	Chapatala	Chakdaha	9647529981						0.13			3					
Ananda Sarkar	Ranjit Sarkar	Chapatala	Chakdaha	9593649147						0.13			3					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Biplob Sarkar	Ranjit Sarkar	Chapatala	Chakdaha	9647789174						0.13			3					
Pravat Sarkar	Manindra Sarkar	Chapatala	Chakdaha	9564162280						0.13			3					
Bidyut Sardar	Jadab Sardar	Chapatala	Chakdaha	8343953844						0.13			3					
Kanika pande Bhakta	Nitai Bhakta	Chapatala	Chakdaha	9093966206						0.13			3					
Sanchita Basu	Nilratan Basu	Chapatala	Chakdaha	9609496835						0.13			3					
Bappa Hira	Bhuban Hira	Chapatala	Chakdaha	9733983295						0.13			3					
Gour Pandy	Saratchandra Pandy	Chapatala	Chakdaha	9564388903						0.13			3					
Nepal Hira	Haripada Hira	Chapatala	Chakdaha	9091626838						0.13			3					
Mrinal Sardar	Kartic Sardar	Chapatala	Chakdaha	9647130258						0.13			3					
Nakul Sarkar	Nandalal Sarkar	Ganguria	Haringhata	9593465129		22°57'49"	88°32'55"			0.27		Sulata	6					
Ganesh Baishnab	Manoranjan Baishnab	Ganguria	Haringhata	9735064573						0.27			6					
Bimal Murmu	Bikram Murmu	Ganguria	Haringhata	8670685666						0.27			6					
Raju Pande	Gautam Pande	Ganguria	Haringhata	8016140677						0.13			3					
Bantu Murmu	Makra Murmu	Ganguria	Haringhata	9733085335						0.27			6					
Gita Debnath Baishnab	Alok Baishnab	Ganguria	Haringhata	8514035761						0.13			3					
Alok Baishnab	Manoranjan Baishnab	Ganguria	Haringhata	9002544316						0.13			3					
Debesh Sarkar	Nakul Sarkar	Ganguria	Haringhata	8609922685						0.27			6					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Jyotish Shil	Sachiranjan Shil	Ganguria	Haringhata	8944842951						0.27			6					
Satyapada Das	Hajarilal Das	Ganguria	Haringhata	8944842951						0.27			6					
Haran Das	Kalipada Das	Ganguria	Haringhata	9635987024						0.27			6					
Pulak Chatterjee	Panchugopal Chatterjee	Ganguria	Haringhata	9609236008						0.27			6					
Biswanath Das	Naren Das	Ganguria	Haringhata	9735056771						0.27			6					
Lipika Das	Biswanath Das	Ganguria	Haringhata	9563519183						0.13			3					
Bhagirath Mondal	Bharat Mondal	Ganguria	Haringhata	9231828468						0.27			6					
Sadhana Mondal	Bhagirath Mondal	Ganguria	Haringhata	8642098040						0.13			3					
Sirajul Mondal	Chhabdar Ali Mondal	Ganguria	Haringhata	9143264158						0.27			6					
Rehena Bibi	Sirajul Mondal	Ganguria	Haringhata	9143264158						0.13			3					
Hiralal Majumder	Debendra kr.Majumder	Ganguria	Haringhata	9547422160						0.27			6					
Pritam Baishnab	Ganesh Baisnab	Ganguria	Haringhata	9735056370						0.13			3					
Goutam Debnath	Manobendra Debnath	Ganguria	Haringhata	9733553080						0.27			6					
Shantipada Das	Hajarilal Das	Ganguria	Haringhata	8617790347						0.13			3					
Maidul Mondal	Sirajul Mondal	Ganguria	Haringhat	9143264158						0.27			6					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
			a															
Swapna Das	Satyapada Das	Ganguria	Haringhata	8345863489						0.27			6					
Ananda Das	kalipada Das	Ganguria	Haringhata	9163471666						0.27			6					
Abdul Rajjak Mondal	Kalu Mondal	Ganguria	Haringhata	9230424210						0.13			3					
Jakir Mondal	Sultan Mondal	Ganguria	Haringhata	7797612773						0.13			3					
Malek Mondal	Kalu Mondal	Ganguria	Haringhata	8348688056						0.13			3					
Abdul Khalek Mondal	Kalu Mondal	Ganguria	Haringhata	9647520040						0.13			3					
Ramjan Mondal	Hajarat Mondal	Ganguria	Haringhata	8609652408						0.13			3					
Mosharef Mondal	Abusama Mondal	Ganguria	Haringhata	9593225131						0.13			3					
Mafura Bibi	Kitabari Mondal	Ganguria	Haringhata	8515899789						0.13			3					
Ramesh Hemram	Zeman Hemram	Ganguria	Haringhata	9083836109						0.13			3					
Debabrata Mondal	Panchanan Mondal	Hatishala(N)	Krishnanagar(I)	9804810147		23°19'33"	88°27'56"			0.13		Sulata	3					
Rakesh Mondal	Debabrata Mondal	Hatishala(N)	Krishnanagar(I)	9614339214						0.13			3					
Sukumar Biswas	Birvadra Biswas	Hatishala(N)	Krishnanagar(I)	9083042558						0.27			6					
Manik Biswas	Abhaypada Biswas	Hatishala(N)	Krishnanagar(I)	9775546630						0.27			6					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Nabakumar Biswas	Ananta Biswas	Hatishala(N)	Krishnanagar(I)	9851807864						0.13			3					
Sushanta Dutta	Shredam Dutta	Hatishala(N)	Krishnanagar(I)	8391016991						0.27			6					
Swapan Debnath	Gopal Debnath	Hatishala(N)	Krishnanagar(I)	7602801764						0.27			6					
Kamal Kumar Nath	Amulya Kumar Nath	Hatishala(N)	Krishnanagar(I)	7602255355						0.13			3					
Amit Durlav	Ratan Durlav	Hatishala(N)	Krishnanagar(I)	9143406396						0.13			3					
Narad Biswas	Dhiren Biswas	Hatishala(N)	Krishnanagar(I)	9614583018						0.27			6					
Dipak Sarkar	Santosh Sarkar	Hatishala(N)	Krishnanagar(I)	9734883046						0.13			3					
Subhen Mondal	Parimal Mondal	Hatishala(N)	Krishnanagar(I)	9333526508						0.27			6					
Chiranjit Biswas	Narad Biswas	Hatishala(N)	Krishnanagar(I)	8509696985						0.13			3					
Amar Das	Arbinda Das	Hatishala(N)	Krishnanagar(I)	9614362293						0.13			3					
Riya Ghosh	Sushil Ghosh	Hatishala(N)	Krishnanagar(I)	7470246764						0.13			3					
Krishnapada Ghosh	Namita Ghosh	Hatishala(N)	Krishnanagar(I)	9749414126						0.27			6					
Lakshmi Rani Ghosh	Santosh Ghosh	Hatishala(N)	Krishnanagar(I)	7031577808						0.13			3					
Arabindu Das	Badal Das	Hatishala(N)	Krishnanagar(I)	9614744696						0.13			3					
Sujata Ghosh	Krishna Ghosh	Hatishala(	Krishnana	9851326557						0.27			6					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
		N)	gar(I)															
Sanjiban Ghosh	Lt. Santosh Ghosh	Hatishala(N)	Krishnana gar(I)	8906288172						0.27			6					
Nityananda Saha	Krishnapada Saha	Hatishala(N)	Krishnana gar(I)	9734682713						0.27			6					
Sentu Biswas	Prabir Biswas	Hatishala(N)	Krishnana gar(I)	9733755608						0.13			3					
Madhu Biswas	Lt. Dulal Biswas	Hatishala(N)	Krishnana gar(I)	9851974188						0.13			3					
Tapash Biswas	Madhab Biswas	Hatishala(N)	Krishnana gar(I)	7031759430						0.13			3					
Raju Biswas	Yadab Biswas	Hatishala(N)	Krishnana gar(I)	9851420131						0.27			6					
Ashim Biswas	Ananda Biswas	Hatishala(N)	Krishnana gar(I)	9851801052						0.13			3					
Sujit Biswas	Madhu Biswas	Hatishala(N)	Krishnana gar(I)	9614764957						0.27			6					
Kanai Biswas	Panchugopal Biswas	Hatishala(N)	Krishnana gar(I)	8629985115						0.27			6					
Rajesh Mondal	Debabrata Mondal	Hatishala(N)	Krishnana gar(I)	8537840089						0.13			3					
Biswajit Biswas	Madhu Biswas	Hatishala(N)	Krishnana gar(I)	9126974189						0.13			3					
Madhab Biswas	Dulal Biswas	Hatishala(N)	Krishnana gar(I)	7031759430						0.13			3					
Amit Biswas	Biswajit Biswas	Hatishala(N)	Krishnana gar(I)	7098047208						0.13			3					
Mithun Biswas	Nimai Biswas	Hatishala(N)	Krishnana gar(I)	9153606065						0.13			3					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Putul Biswas	Chand Biswas	Hatishala(N)	Krishnanagar(I)	9126974188						0.13			3					
Shipra Mondal	Narayan Mondal	Hatishala(N)	Krishnanagar(I)	7604205355						0.13			3					
Prasenjit Biswas	Ashok Biswas	Hatishala(N)	Krishnanagar(I)	9851807864						0.13			3					
Susanta Pramanik	Subal Pramanik	Hatishala(N)	Krishnanagar(I)	9851807864						0.13			3					

*** **Variety** : Sulata

Seed treatment: Inoculation of seed with ***Rhizobium*** (***Rizobium*** *@ 0.75* kg / 22.5 kg of seed requiring for one hectare)

PSB (Soil application of PSB with cow dung manure @ 1.9 *l* / ha during final land perparation)

Micronutrients (1.8 kg / ha, i.e. 2g/*l* of water with two sprays 21 DAS and before flowering)

Crop2: Green gram

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Uttam Ghosh	Ankul Ghosh	Ghetugachi	Chakdaha	9547173997		23°3'28''	88°33'25''			0.27	***	Bireswar	6	12.7	10.8	12.37	11.25	9.9
Sibu Ghosh	Gostha Ghosh	Ghetugachi	Chakdaha	8372035654						0.27			6					
Shyamal Ghosh	Sayaram Ghosh	Ghetugachi	Chakdaha	7384072296						0.13			3					
Narayan Ghosh	Atul Ghosh	Ghetugachi	Chakdaha	7407426080						0.13			3					
Bikash Ghosh	Rabindra Ghosh	Ghetugachi	Chakdaha	7699888467						0.13			3					
Madhab Mondal	Krishnapada Mandal	Ghetugachi	Chakdaha	7074119415						0.27			6					
Biswajit Chaterjee	Joydev Chatterjee	Ghetugachi	Chakdaha	9153657165						0.13			3					
Barun Biswas	Dulal Biswas	Ghetugachi	Chakdaha	7074194153						0.27			6					
Tarun Ghosh	Sadhan Ghosh	Ghetugachi	Chakdaha	9434371388						0.27			6					
Jayanta Kr. Paul	Shambhu Paul	Ghetugachi	Chakdaha	9153472374						0.27			6					
Shyamal Paul	Pravash Paul	Ghetugachi	Chakdaha	9153472374						0.27			6					
Jagannath Pain	Khagen Pain	Ghetugachi	Chakdaha	9674534178						0.27			6					
Ram Ch. Pain	Jatindra Pain	Ghetugachi	Chakdaha	9674534178						0.13			3					
Nitai Ghosh	Balaram Ghosh	Ghetugachi	Chakdaha	7432975127						0.13			3					
Mahadev Ghosh	Krishnapada Ghosh	Ghetugachi	Chakdaha	8944851293						0.13			3					
Nilmoni Ghosh	Shantiram Ghosh	Ghetugachi	Chakdaha	9593684671						0.27			6					
Shylendra nath Ghosh	Kalipada Ghosh	Ghetugachi	Chakdaha	9800799882						0.27			6					
Subal Ghosh	Kalipada Ghosh	Ghetugachi	Chakdaha	9153552465						0.13			3					
Jaba Hansda	Galu Hansda	Ghetugachi	Chakdaha	8927279799						0.27			6					
Brojen Hembrom	Rabin Hembram	Ghetugachi	Chakdaha	7478928932						0.27			6					
Muchiram Tudu	Gopal Tudu	Ghetugachi	Chakdaha	9733921890						0.13			3					
Shylendra nath Ghosh	Gostha Ghosh	Ghetugachi	Chakdaha	9733621211						0.27			6					
Manabendra	Manik Ghosh	Ghetugachi	Chakdaha	8609152863						0.27			6					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Ghosh																		
Laxman Ghosh	Kalipada Ghosh	Ghetugachi	Chakdaha	8609152863						0.13			3					
Sujit Kr. Ghosh	Balaram Ghosh	Ghetugachi	Chakdaha	9800236563						0.27			6					
Hemanta Ghosh	Anukul Ghosh	Ghetugachi	Chakdaha	9735916517						0.27			6					
Patit Paul	Rabin Paul	Ghetugachi	Chakdaha	9735916517						0.13			3					
Manik Ghosh	Pulin Ghosh	Ghetugachi	Chakdaha	8609152863						0.27			6					
Tapash Ghosh	Balaram Ghosh	Ghetugachi	Chakdaha	8609152863						0.27			6					
Gopal Ghosh	Shambhu nath Ghosh	Ghetugachi	Chakdaha	8641091609						0.13			3					
Sudan Ghosh	Shantiram Ghosh	Ghetugachi	Chakdaha	9735916517						0.13			3					
Bimal Ghosh	Santosh Gh	Ghetugachi	Chakdaha	9153552465						0.13			3					
Biswajit Ghosh	Sadhan Ghosh	Ghoshkamalpur	Hanskhali	7384834656		22°21'20"	88°43'28"			0.13		Bireswar	3					
Ranjit Ghosh	Lt. Anil Ghosh	Ghoshkamalpur	Hanskhali	9474133237						0.13			3					
Tetul Ghosh	Lt. Kalipada Ghosh	Ghoshkamalpur	Hanskhali	9474740201						0.13			3					
Madhusudan Ghosh	Lt. Kalipada Ghosh	Ghoshkamalpur	Hanskhali							0.13			3					
Sadhan Ghosh	Lt. Nimai Ghosh	Ghoshkamalpur	Hanskhali	8016683259						0.13			3					
Mrittunjoy Ghosh	Lt. Bhadreswar Ghosh	Ghoshkamalpur	Hanskhali	8016880193						0.13			3					
Bishnu Ghosh	Joydeb Ghosh	Ghoshkamalpur	Hanskhali	9474133237						0.13			3					
Lakshman Ghosh	Lt. Khitish Ghosh	Ghoshkamalpur	Hanskhali	9932512492						0.07			1.5					
Joydeb Ghosh	Lt. Radhanath Ghosh	Ghoshkamalpur	Hanskhali	8972773284						0.13			3					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Keshab Ghosh	Lt. Tilok Ghosh	Ghoshkamal pur	Hanskhali	9775916478						0.13			3					
Sonatan Ghosh	Basudeb Ghosh	Ghoshkamal pur	Hanskhali	8001501025						0.07			1.5					
Sankar Ghosh	Gurupada Ghosh	Ghoshkamal pur	Hanskhali	9475701837						0.07			1.5					
Narauyan Ghosh	Dulal Ghosh	Ghoshkamal pur	Hanskhali	8902051452						0.13			3					
Kajal kr. Ghosh	Bijoy Kr. Ghosh	Ghoshkamal pur	Hanskhali	9474740201						0.13			3					
Mithun Modak	Ananda Modak	Ghoshkamal pur	Hanskhali	7602701823						0.13			3					
Prasanta Ghosh	Satya ch. Ghosh	Ghoshkamal pur	Hanskhali	9933940436						0.13			3					
Ananda Ghosh	Sudhir Ghosh	Ghoshkamal pur	Hanskhali	9474133237						0.13			3					
Sanjit Ghosh	Anil Kr. Ghosh	Ghoshkamal pur	Hanskhali	9474133237						0.13			3					
Jagadish Ghosh	Anil Kr. Ghosh	Ghoshkamal pur	Hanskhali	9474133237						0.13			3					
Jadab Ghosh	Satya gopal Ghosh	Ghoshkamal pur	Hanskhali	9474133237						0.13			3					
Debasish Bala	Sunil Kr. Bala	Ghoshkamal pur	Hanskhali	9475109898						0.13			3					
Prosanta Ghosh	Monmohon Ghosh	Ghoshkamal pur	Hanskhali	9475109898						0.13			3					
Raju Ghosh	Vajan Ghosh	Ghoshkamal pur	Hanskhali	9475109898						0.13			3					
Prohlad Kr. Ghosh	Purna Ch. Ghosh	Ghoshkamal	Hanskhali	9475631538						0.13			3					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
		pur																
Lakshman Ghosh	Santosh Ghosh	Ghoshkamal pur	Hanskhali	9475631538						0.13			3					
Bharat Ghosh	Santosh Ghosh	Ghoshkamal pur	Hanskhali	9475631538						0.13			3					
Ramesh Ghosh	Santosh Ghosh	Ghoshkamal pur	Hanskhali	9475631538						0.13			3					
Nimai Ghosh	Kalipada Ghosh	Ghoshkamal pur	Hanskhali	9474133237						0.13			3					
Joydev Ghosh	Gobinda Ghodh	Ghoshkamal pur	Hanskhali	9474133237						0.07			1.5					
kartik Ghosh	Kalipada Ghosh	Ghoshkamal pur	Hanskhali	9474133237						0.07			1.5					
Alok Ghosh	Lt. Manindranath Ghosh	Ghoshkamal pur	Hanskhali	9474385669						0.13			3					
Rajendranath Ghosh	Lt. Gopal Ghosh	Ghoshkamal pur	Hanskhali	8967504506						0.13			3					
Debranjan Ghosh	Gobinda Ghodh	Ghoshkamal pur	Hanskhali	9474851722						0.13			3					
Bappaditya Ghosh	Sadhan Ghosh	Ghoshkamal pur	Hanskhali	9474133237						0.13			3					
Kajal kr. Ghosh	Satyacharan Ghosh	Ghoshkamal pur	Hanskhali	9474900916						0.13			3					
Basudeb Ghosh	Monindra nath Ghosh	Ghoshkamal pur	Hanskhali	9474385669						0.13			3					
Samir Ghosh	Lt. Manindranath Ghosh	Ghoshkamal pur	Hanskhali	9474385669						0.13			3					
Brojen Ghosh	Lt. Gopal Ghosh	Ghoshkamal pur	Hanskhali	8967233007						0.13			3					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Apurba Ghosh	Prafulla Ghssh	Ghoshkamal pur	Hanskhali	9475687843						0.07			1.5					
Dijendra nath Ghosh	Lt.Gopal Ghosh	Ghoshkamal pur	Hanskhali	8670739500						0.07			1.5					
Sunil Ghosh	Ghanashyam Ghosh	Ghoshkamal pur	Hanskhali	9474133237						0.13			3					
Sadhan Ghosh	Ghanashyam Ghosh	Ghoshkamal pur	Hanskhali	9474133237						0.13			3					
Rabindranath Biswas	Bhola nath Biswas	Ghoshkamal pur	Hanskhali	9093615328						0.13			3					
Sukesh Mondal	Jugolpada Mondal	Ghoshkamal pur	Hanskhali	9932512338						0.13			3					
Bhagirath Ghosh	Phanibhusan Ghosh	Ghoshkamal pur	Hanskhali	9475631538						0.13.			3					
Panch kari Ghosh	Nilmani Ghosh	Ghoshkamal pur	Hanskhali	9475631538						0.13			3					
Bhadreswar Ghosh	Biswanath Ghosh	Ghoshkamal pur	Hanskhali	9474133237						0.13			3					
Uttam Ghosh	Narayan Ghosh	Ghoshkamal pur	Hanskhali	9474133237						0.13			3					
Buddhadev Ghosh	Ajit Ghosh	Ghoshkamal pur	Hanskhali	9474133237						0.13			3					
Madhab Ghosh	Satyagopal Ghosh	Ghoshkamal pur	Hanskhali	8116582199						0.13			3					
Biswajit Ghosh	Joydeb Ghosh	Ghoshkamal pur	Hanskhali	8116582199						0.13			3					
Ram Ghosh	Kshitish Ghosh	Ghoshkamal pur	Hanskhali	8116582199						0.13			3					
Bhajan Ghosh	Sudhir Ghosh	Ghoshkamal	Hanskhali	8116582199						0.13			3					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
		pur																
Avijit Roy	Kaliranjan Roy	Hingnara	Chakdaha	8016009163		23°2'53"	88°39'13"			0.13		Bireswar	3					
Ganesh Biswas	Patitpaban Biswas	Hingnara	Chakdaha	8972865434						0.13			3					
Subimal Biswas	Lt. Girindra Biswas	Hingnara	Chakdaha	9647349988						0.13			3					
Ratan Biswas	Upendra Biswas	Hingnara	Chakdaha	8167678869						0.13			3					
Alok Biswas	Ratan Biswas	Hingnara	Chakdaha	9830881204						0.13			3					
Santo Majumder	Santosh Majumder	Hingnara	Chakdaha	9002129632						0.13			3					
Nilratan Biswas	Manmatha Biswas	Hingnara	Chakdaha	9547684579						0.13			3					
Biswajit Biswas	Kartik Biswas	Hingnara	Chakdaha	8670131990						0.13			3					
Bipul Biswas	Lt. Girin Biswas	Hingnara	Chakdaha	9732856147						0.13			3					
Birendra nath Biswas	Nanigopal Biswas	Hingnara	Chakdaha	9002334625						0.13			3					
Biman Biswas	Birendra Kishor Biswas	Hingnara	Chakdaha	9734289636						0.13			3					
Shyamcharan Roy	Manjal Roy	Hingnara	Chakdaha	9830468547						0.13			3					
Sujit Ghosh	Paranpati Ghosh	Hingnara	Chakdaha	9733702030						0.13			3					
Rajmohan Sarkar	Adhar Sarkar	Hingnara	Chakdaha	9734289636						0.13			3					
Ananda Ghosh	Haricharan Ghosh	Hingnara	Chakdaha	9830868474						0.13			3					
Gourchand Biswas	Rabindra Biswas	Hingnara	Chakdaha	9933961685						0.13			3					
Palash Ghosh	Sachin Ghosh	Hingnara	Chakdaha	9564534404						0.13			3					
Bidhan Biswas	Boremdra Kishore Biswas	Hingnara	Chakdaha	8145263043						0.13			3					
Pradip Ghodh	Sachin Ghosh	Hingnara	Chakdaha	9830465847						0.13			3					
Nirapada Roy	Haripada Roy	Hingnara	Chakdaha	7872083742						0.13			3					
Dulal Biswas	Lt. Anil Kr. Biswas	Hingnara	Chakdaha	9733696136						0.13			3					
Uttam Sarkar	Lt. Nirapada Sarkar	Hingnara	Chakdaha	8670883322						0.13			3					
Nanigopal Roy	Lt. Lakshmikanta Roy	Hingnara	Chakdaha	8116676208						0.13			3					
Arjun Sarkar	Lt. Kartik Sarkar	Hingnara	Chakdaha	9479234404						0.13			3					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Sujit Mandal	Lt. Khitish Mandal	Hingnara	Chakdaha	8609836300						0.13			3					
Shibupada Mandal	Lt. Khitish Mandal	Hingnara	Chakdaha	9547795790						0.13			3					
Uttam Mondal	Lt. Khitish Mandal	Hingnara	Chakdaha	9547795790						0.13			3					
Pratap Sarkar	Nirapada Sarkar	Hingnara	Chakdaha	9002329377						0.13			3					
Udayan Sarkar	Nirapada Sarkar	Hingnara	Chakdaha	9547745416						0.13			3					
Praeyasi Sarkar	Goutam Sarkar(Husband)	Hingnara	Chakdaha	8937979357						0.13			3					
Pranay Ghosh	Lt. Anil Ghosh	Hingnara	Chakdaha	9749179920						0.13			3					
Ajay Biswas	Umesh Biswas	Hingnara	Chakdaha	9547653403						0.13			3					
Minati Biswas	Lt. Prafullya Biswas	Hingnara	Chakdaha	8927456898						0.13			3					
Sankar Ghosh	Rabindra nath Ghosh	Hingnara	Chakdaha	9093635469						0.13			3					
Satyaranjan Roy	Lt. Brojendra Roy	Hingnara	Chakdaha	9635240040						0.13			3					
Subodh Das	Lt. Sachindra Das	Hingnara	Chakdaha	8101369498						0.13			3					
Uttam Basu	Ranjit Basu	Hingnara	Chakdaha	7407883904						0.13			3					
Tapas Basu	Lt. Rabindra Basu	Hingnara	Chakdaha	9874749158						0.13			3					
Suranjan Roy	Lt. Brojendra Roy	Hingnara	Chakdaha	7063145790						0.13			3					
Bimal Sardar	Kalipada Sardar	Hingnara	Chakdaha	7872244992						0.13			3					
Gobinda Sardar	Gopal Sardar	Hingnara	Chakdaha	8372828330						0.13			3					
Biswajit Roy	Lt. Shanti Roy	Hingnara	Chakdaha	9732306287						0.13			3					
Kamal Mishra	Lt. Kalipada Mishra	Hingnara	Chakdaha	9647745812						0.13			3					
Nikhil Sarkar	Lt. Santosh Sarkar	Hingnara	Chakdaha	9647745812						0.13			3					
Rahul Mandal	Lt. Aziz Mondal	Hingnara	Chakdaha	9735568098						0.13			3					
Abdul Jalal Mondal	Lt. Golam Mondal	Hingnara	Chakdaha	9735346360						0.13			3					
Abdul Latif Mondal	Lt. Aziz Mondal	Hingnara	Chakdaha	8967491007						0.13			3					
Jamatali Mondal	Lt. Nurbox Mondal	Hingnara	Chakdaha	9800562256						0.13			3					
Archana Biswas	Lt.Chittaranjan Biswas	Hingnara	Chakdaha	9641157106						0.13			3					
Niranjan Roy	Lt.Brojendra Roy	Hingnara	Chakdaha	7719272733						0.13			3					

*** **Variety** : Bireswar
Seed treatment: Inoculation of seed with ***Rhizobium*** (***Rizobium*** *@ 0.75* kg / 22.5 kg of seed requiring for one hectare)
PSB (Soil application of PSB with cow dung manure @ 1.9 *l* / ha during final land perparation)
Micronutrients (1.8 kg / ha, i.e. 2g/*l* of water with two sprays 21 DAS and before flowering)

Crop 3: Lentil

Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Area (ha)	Seed quantity used (kg)	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Latitude	Longitude							H	L	A		
Gautam Debnath	Manabendra Debnath	Ganguria	Haringhata	9733553080	-	22°57'49''	88°32'55''	No	NA	*	Moitree	0.27	8	14.25	10.5	12.0	10.12	18.6
Shantipada Das	Hazarilal Das	Ganguria	Haringhata	8617790347	-	22°57'49''	88°32'55''	No	NA			0.13	4					
Maidul Mondal	Sirajul Mondal	Ganguria	Haringhata	9143264158		22°57'49''	88°32'55''	No	NA			0.20	6					
Swapan Das	Satyapada Das	Ganguria	Haringhata	8345863489		22°57'48''	88°32'53''	No	NA			0.13	4					
Ananda Das	Kalipada Das	Ganguria	Haringhata	9163471666		22°57'48''	88°32'54''	No	NA			0.20	6					
Abdul Rajjak Mondal	Kaliu Mondal	Ganguria	Haringhata	9230424210		22°57'49''	88°32'55''	No	NA			0.20	6					
Jakir Mondal	Sultan Mondal	Ganguria	Haringhata	7797612773		22°57'49''	88°32'54''	No	NA			0.20	6					
Malek Mondal	Kalu Mandal	Ganguria	Haringhata	8348688056		22°57'46''	88°32'53''	No	NA			0.13	4					
Abdul khalek Mondal	Kalu Mandal	Ganguria	Haringhata	9647520040		22°57'47''	88°32'54'	No	NA			0.13	4					
Ramjan Mondal	Hajrat Mondal	Ganguria	Haringhata	8600965240		22°57'46''	88°32'54''	No	NA			0.27	8					
Nakul Sarkar	Nandalal Sarkar	Ganguria	Haringhata	9593465129		22°57'49''	88°32'55''	No	NA			0.27	8					

Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Area (ha)	Seed quantity used (kg)	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Latitude	Longitude							H	L	A		
Ganesh Baishnav	Manoranjan Baishnav	Ganguria	Haringhata	9735064573		22°57'48''	88°32'55''	No	NA			0.13	4					
Bimal Murmu	Bikram Murmu	Ganguria	Haringhata	8670685666		22°57'49''	88°32'55''	No	NA			0.27	8					
Raju Pandy	Gautam Pandy	Ganguria	Haringhata	8016140677		22°57'47''	88°32'54''	No	NA			0.13	4					
Bantu Murmu	Makra Murmu	Ganguria	Haringhata	9733085335		22°57'49''	88°32'55''	No	NA			0.20	6					
Gita Debnath Baishnav	Alok Baishnav	Ganguria	Haringhata	8514035761		22°57'47''	88°32'54''	No	NA			0.27	8					
Aloke Baishnav	Manoranjan Baishnav	Ganguria	Haringhata	9002544316		22°57'47''	88°32'54''	No	NA			0.13	4					
Debesh Sarkar	Nakul Sarkar	Ganguria	Haringhata	8609922685		22°57'47''	88°32'54''	No	NA			0.13	4					
Jyotish Sil	Sochiranjan Sil	Ganguria	Haringhata	9339636927		22°57'47''	88°32'54''	No	NA			0.13	4					
Satyapada Das	Hajarilal Das	Ganguria	Haringhata	9844842951		22°57'49''	88°32'55''	No	NA			0.20	6					
Haran Das	Kalipada Das	Ganguria	Haringhata	9635987024		22°57'49''	88°32'55''	No	NA			0.13	4					
Pulack Chatterjee	Panchugopal Chatterjee	Ganguria	Haringhata	9609236008		22°57'48''	88°32'55''	No	NA			0.13	4					
Biswanath Das	Naren Das	Ganguria	Haringhata	9735056771		22°57'49''	88°32'55''	No	NA			0.27	8					
Lipika Das	Biswanath Das	Ganguria	Haringhata	9563519183		22°57'49''	88°32'55''	No	NA			0.20	6					
Bhagirath Mandal	Bharath Mondal	Ganguria	Haringhata	9231828466		22°57'49''	88°32'55''	No	NA			0.13	4					
Sadhan Mondal	Bhagirath Mondal	Ganguria	Haringhata	9231828466		22°57'49''	88°32'55''	No	NA			0.20	6					
Sirajul Mondal	Chabdar Ali	Ganguria	Haringhata	9143264158		22°57'49''	88°32'55''	No	NA			0.13	4					

Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Area (ha)	Seed quantity used (kg)	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Latitude	Longitude							H	L	A		
Rehena Bibi	Sirajul Mondal	Ganguria	Haringhata	9143264158		22°57'47''	88°32'53''	No	NA			0.20	6					
Hiralal Majumder	Debandra Majumder	Ganguria	Haringhata	9547422160		22°57'47'	88°32'53''	No	NA			0.13	4					
Pritam Baishnav	Ganesh Baishnav	Ganguria	Haringhata	9735056370		22°57'47''	88°32'54''	No	NA			0.13	4					
Mosaref Mondal	Abusama Mondal	Ganguria	Haringhata	9532251312		22°57'47''	88°32'54''	No	NA			0.13	4					
Mafura Bibi	Kitabari Murmu	Ganguria	Haringhata	8515899789		22°57'49''	88°32'55''	No	NA			0.20	6					
Ramesh Hemram	Zeman Hemram	Ganguria	Haringhata	9083836109		22°57'49''	88°32'55''	No	NA			0.13	4					
Titash Das	Satya Das	Ganguria	Haringhata	9093341779		22°57'49''	88°32'55''	No	NA			0.13	4					
Papiya Pande	Raju Pande	Ganguria	Haringhata	9093371779		22°57'49''	88°32'55''	No	NA			0.27	8					
Ashim Das	Haran Das	Ganguria	Haringhata	9093341779		22°57'49''	88°32'55''	No	NA			0.27	8					
Sabita Das	Abhijit Das	Ganguria	Haringhata	9851916236		22°57'49''	88°32'55''	No	NA			0.27	8					
Khokon Debnath	Dwarika Debnath	Ganguria	Haringhata	9851916236		22°57'49''	88°32'55''	No	NA			0.27	8					
Subhash Mondal	Fatik Mondal	Ganguria	Haringhata	9851916236		22°57'49''	88°32'55''	No	NA			0.27	8					
Joydeb Mondal	Ratan Mondal	Ganguria	Haringhata	9231908019		22°57'49''	88°32'55''	No	NA			0.13	4					
;Mayali Das	Shambhu Das	Ganguria	Haringhata	7872919994		22°57'49''	88°32'55''	No	NA			0.13	8					
Shambhu Das	Shibu Das	Ganguria	Haringhata	7872919994		22°57'49''	88°32'55''	No	NA			0.27	8					
Ratan Kr. Mondal	Fatik Mondal	Ganguria	Haringhata	9732410811		22°57'47''	88°32'54''	No	NA			0.27	8					

Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Area (ha)	Seed quantity used (kg)	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Latitude	Longitude							H	L	A		
Tanmoy Das	C R Das	Ganguria	Haringhata	9732410811		22°57'49''	88°32'55''	No	NA			0.27	8					
Sanjoy Das	C . R Das	Ganguria	Haringhata	9732410811		22°57'49''	88°32'55''	No	NA			0.27	8					
Mrinal Ghosh	Tarak Ghosh	Ganguria	Haringhata	7872919994		22°57'47''	88°32'54''	No	NA			0.13	4					
Narayan Das	Kalipada Das	Ganguria	Haringhata	7872919994		22°57'47''	88°32'53''	No	NA			0.13	4					
Dipak Mondal	Baidyanath Mondal	Ganguria	Haringhata	8145000331		22°57'49''	88°32'55''	No	NA			0.13	4					
Krishnahari Majumder	Debandra Majumder	Ganguria	Haringhata	8145000331		22°57'48''	88°32'54''	No	NA			0.27	8					
Sourav Das	Satya Das	Ganguria	Haringhata	8918582831		22°57'49''	88°32'55''	No	NA			0.27	8					
Sanjib Das	Shibu Das	Ganguria	Haringhata	9230114460		22°57'49''	88°32'55''	No	NA			0.27	8					
Jyotsna Baisnab	Ganesh Baishnav	Ganguria	Haringhata	9735064573		22°57'49''	88°32'55''	No	NA			0.27	8					
Panchugapal Sarkar	Gurupada Sarkar	Ganguria	Haringhata	9735056370		22°57'48''	88°32'55''	No	NA			0.13	4					
Sadhan Debnath	Dwarika Debnath	Ganguria	Haringhata	8697462960		22°57'48''	88°32'54''	No	NA			0.27	8					
Swapna Majumder	Hiralal Majumder	Ganguria	Haringhata	9547422160		22°57'49''	88°32'55''	No	NA			0.13	4					
Prasanta Biswas	Prafulla Biswas	Ganguria	Haringhata	9609138263		22°57'49''	88°32'55''	No	NA			0.20	6					
Narayan Mallik	Nanda Mallik	Ganguria	Haringhata	9609460787		22°57'49''	88°32'53''	No	NA			0.13	4					
Sijit Golder	Manik Golder	Ganguria	Haringhata	9064674385		22°57'48''	88°32'54''	No	NA			0.27	8					
Nurislam	Ichhahak	Ganguria	Haringhata	9735423319		22°57'48''	88°32'54''	No	NA			0.13	4					

Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Area (ha)	Seed quantity used (kg)	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Latitude	Longitude							H	L	A		
Mondal	Mondal																	
Suman Dutta	Shyamacharan Dutta	Ganguria	Haringhata	9635464559		22°57'48''	88°32'54''	No	NA			0.27	8					
Bholanath Sarkar	Gurupada Sarkar	Ganguria	Haringhata	9083896348		22°57'48''	88°32'53''	No	NA			0.20	6					
Kanailal Ghosh	Tarak Ghosh	Ganguria	Haringhata	8926672662		22°57'49''	88°32'55''	No	NA			0.13	4					
Biswajit Ghosh	Binay Ghosh	Ganguria	Haringhata			22°57'49''	88°32'55''	No	NA			0.13	6					
Binoy Ch. Ghosh	Tarak Ch. Ghosh	Ganguria	Haringhata	8926672662		22°57'49''	88°32'55''	No	NA			0.20	6					
Archana Ghosh	Lt. Badal Ch. Ghosh	Ganguria	Haringhata	9733815798		22°57'49''	88°32'55''	No	NA			0.13	4					
Kishore Ghosh	Kanailal Ghosh	Ganguria	Haringhata	8926672662		22°57'49''	88°32'55''	No	NA			0.13	4					
Swarupa Ghosh	Mrinal Ghosh	Ganguria	Haringhata	9733815798		22°57'47''	88°32'53''	No	NA			0.13	4					
Rinku Ghosh		Ganguria	Haringhata			22°57'49''	88°32'55''	No	NA			0.20	6					
Golam Rasul Miya	Ojel Miya	Ganguria	Haringhata	9547987507		22°57'47''	88°32'54''	No	NA			0.13	4					
Sujauddin Miya	Golam Rasul Miya	Ganguria	Haringhata	9153867662		22°57'47''	88°32'53''	No	NA			0.27	8					
Giyasuddin Miya	Golam Rasul Miya	Ganguria	Haringhata	8768885297		22°57'49''	88°32'55''	No	NA			0.20	6					
Reegia Bebe	Golam Rasul Miya	Ganguria	Haringhata	9547987507		22°57'47''	88°32'54''	No	NA			0.13	4					
Sankar Debnath	Birendra Debnath	Ganguria	Haringhata	9564516339		22°57'49''	88°32'55''	No	NA			0.13	4					

Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Area (ha)	Seed quantity used (kg)	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Latitude	Longitude							H	L	A		
Ranadip Mandal	Jamini Kr. Mondal	Mahishdanga	Ranaghat I	9564516339		23°15'9''	88°31'28''	No	NA			0.27	8					
Haradhan Mahato	Haren Mahato	Mahishdanga	Ranaghat I	8348136912		23°15'9''	88°31'27''	No	NA			0.27	8					
Atul Mahato	Haren Mahato	Mahishdanga	Ranaghat I	8145787378		23°15'9''	88°31'26''	No	NA			0.13	4					
Bifal Mahato	Lt. Murali Mahato	Mahishdanga	Ranaghat I	8538047016		23°15'9''	88°31'27''	No	NA			0.27	8					
Jugol Mahato	Dilip Mahato	Mahishdanga	Ranaghat I	9851404055		23°15'10''	88°31'28''	No	NA			0.27	8					
Lalita Roy	Hus- Anukul Roy	Mahishdanga	Ranaghat I	7797448464		23°15'10''	88°31'28''	No	NA			0.27	8					
Sushil Mahato	Sukumar Mahato	Mahishdanga	Ranaghat I	7872754395		23°15'11''	88°31'29''	No	NA			0.13	4					
Tapan Mahato	Sattya Mahato	Mahishdanga	Ranaghat I	8327253009		23°15'11''	88°31'29''	No	NA			0.13	4					
Anima Mahato	Hus- Subhash Mahato	Mahishdanga	Ranaghat I	8597617845		23°15'11''	88°31'28''	No	NA			0.27	8					
Mala Mahato	Hus- Dinesh Mahato	Mahishdanga	Ranaghat I	8001715770		23°15'10''	88°31'28''	No	NA			0.27	8					
Prasanta Mahato	Lt. Khudiram Mahato	Mahishdanga	Ranaghat I	7718271653		23°15'10''	88°31'27''	No	NA			0.13	4					
Bishu Biswas	Lt. Jatin Biswas	Mahishdanga	Ranaghat I	8820736288		23°15'10''	88°31'27''	No	NA			0.27	8					
Mihir Mahato	Atul Mahato	Mahishdanga	Ranaghat I	9564560421		23°15'10''	88°31'28''	No	NA			0.13	4					
Aloka Mahto	Hus- Shusanta Mahato	Mahishdanga	Ranaghat I	7432921793		23°15'9''	88°31'28''	No	NA			0.27	8					

Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Area (ha)	Seed quantity used (kg)	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Latitude	Longitude							H	L	A		
Supriya Mahato	Hus - Sushil Mahato	Mahishdanga	Ranaghat I	7432921793		23°15'10''	88°31'28''	No	NA			0.27	8					
Suman Mahato	Haradhan Mahato	Mahishdanga	Ranaghat I	8348136912		23°15'9''	88°31'28''	No	NA			0.13	4					
Nimai Sarkar	Lt. Haripada Sarkar	Mahishdanga	Ranaghat I	9333964674		23°15'10''	88°31'28''	No	NA			0.27	8					
Bidhan Mahato	Lt. Narahari Mahato	Mahishdanga	Ranaghat I	9002362683		23°15'10''	88°31'28''	No	NA			0.27	8					
Sushanta Mahato	Lt. Khudiram Mahato	Mahishdanga	Ranaghat I	7432921793		23°15'10''	88°31'28''	No	NA			0.27	8					
Bijoy Mahato	Lt. Fanibhushan Mahato	Mahishdanga	Ranaghat I	7479164322		23°15'10''	88°31'28''	No	NA			0.13	4					
Ashima Mahato	Hus Krishna Mahato	Mahishdanga	Ranaghat I	7872662797		23°15'10''	88°31'28''	No	NA			0.27	8					
Sankari Mahato	Bhupen Mahato	Mahishdanga	Ranaghat I	7872662797		23°15'10''	88°31'28''	No	NA			0.27	8					
Vaskar Mahato	Lt. Ajoy Mahato	Mahishdanga	Ranaghat I	8145250234		23°15'10''	88°31'28''	No	NA			0.13	4					
Sushil Mahato	Sankar Mahato	Mahishdanga	Ranaghat I	7432921793		23°15'10''	88°31'28''	No	NA			0.13	4					
Sarajit Mahato	Lt. Sattyacharan Mahato	Mahishdanga	Ranaghat I	9733307549		23°15'10''	88°31'28''	No	NA			0.27	8					
Prakash Mahato	Santosh Mahato	Mahishdanga	Ranaghat I	8436641642		23°15'10''	88°31'28''	No	NA			0.27	8					
Montu Mahato	Badal Mahato	Mahishdanga	Ranaghat I	8478814371		23°15'10''	88°31'28''	No	NA			0.27	8					
Nittyam Mahato	Basudeb Mahato	Mahishdanga	Ranaghat I	8926104485		23°15'10''	88°31'28''	No	NA			0.13	4					

Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Area (ha)	Seed quantity used (kg)	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Latitude	Longitude							H	L	A		
Krishna Mahato	Sridam Mahato	Mahishdanga	Ranaghat I	9734302688		23°15'10''	88°31'28''	No	NA			0.27	8					
Bapi Mahato	Bifal Ch. Mahato	Mahishdanga	Ranaghat I	8538047016		23°15'10''	88°31'28''	No	NA			0.27	8					

*** Variety :** Moitree**, Seed treatment**: Inoculation of seed with ***Rhizobium*** (*@ 0.75* kg / 30 kg of seed requiring for one hectare), **PSB** : Soil application of PSB with cow dung manure @ 2 *l* / ha during final land preparation, **Micronutrients :** 2 kg / ha, i.e. 2g / *l* of water with two sprays 21 DAS and before flowering, **Plant Groth Regulator and Promoter :** Triacontanol (induce flowering, reduce flower drops and increase yield is highly recommended @ 150 ml / ha, i.e. 1 ml / 3 *l* of water spray before flowering).

(Water requirement is 450 lit / ha)

Crop 4: Field pea

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Umasankar Roy	Amullya Roy	Mahishdanga	Ranaghat I	9735737035		23°15'9''	88°31'27''			0.27	*	Parkash	16	15.1	12.5	14.25	12.2	16.8
Anukul Roy	Amullya Roy	Mahishdanga	Ranaghat I	7797448464		23°15'9''	88°31'27''			0.27			16					
Sambhu Biswas	Ananda Biswas	Mahishdanga	Ranaghat I	7797448464		23°15'9''	88°31'27''			0.27			16					
Indranil Das	Santosh Das	Mahishdanga	Ranaghat I	9609136504		23°15'9''	88°31'27''			0.13			8					
Purnima Mahato	Hus- Manu Mahato	Mahishdanga	Ranaghat I	9609136504		23°15'10''	88°31'28''			0.27			16					
Paresh Mahato	Lt. Naren Mahato	Mahishdanga	Ranaghat I	8167779070		23°15'10''	88°31'28''			0.13			8					
Shyamal Mahato	Sattyacharan Mahato	Mahishdanga	Ranaghat I	9733307549		23°15'10''	88°31'28''			0.27			16					
Nitai Mahato	Lt. Akali Mahato	Mahishdanga	Ranaghat I	900235953		23°15'10''	88°31'28''			0.13			8					
Atul Mahato	Lt. Lalit Mahato	Mahishdanga	Ranaghat I	7479180446		23°15'10''	88°31'28''			0.13			8					
Paban Mahato	Nilkanta Mahato	Mahishdanga	Ranaghat I	8327623237		23°15'10''	88°31'28''			0.27			16					
Bapi Bhowmick	Biswanath Bhowmick	Mahishdanga	Ranaghat I	8509788560		23°15'9''	88°31'26''			0.27			16					
Prasanta Mahato	Lt. Khudiram Mahato	Mahishdanga	Ranaghat I	9735442322		23°15'10''	88°31'28''			0.27			16					
Abhijit Mahato	Lt. Ranajit Mahato	Mahishdanga	Ranaghat I	8348762806		23°15'10''	88°31'28''			0.13			8					
Sushanta Mahato	Khudiram Mahato	Mahishdanga	Ranaghat I	7432921793		23°15'10''	88°31'28''			0.13			8					
Suman Mahato	Swapan Mahato	Mahishdanga	Ranaghat I	8536892747		23°15'10''	88°31'27''			0.27			16					
Prabir Mahato	Prasanta Mahato	Mahishdanga	Ranaghat I	7718271653		23°15'10''	88°31'28''			0.27			16					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Subir Mahato	Shyamal Mahato	Mahishdanga	Ranaghat I	7586936259		23°15'10''	88°31'28''			0.27			16					
Sukumar Mahato	Khudiram Mahato	Mahishdanga	Ranaghat I	7432080362		23°15'10''	88°31'27''			0.27			16					
Supriya Mahato	Hus- Sushil Mahato	Mahishdanga	Ranaghat I	7432921793		23°15'10''	88°31'28''			0.13			8					
Nilkamal Mahato	Khudiram Mahato	Mahishdanga	Ranaghat I	8001778814		23°15'10''	88°31'28''			0.27			16					
Bidhan Mahato	Narahari Mahato	Mahishdanga	Ranaghat I	9002362683		23°15'10''	88°31'28''			0.27			16					
Narayan Ch. Mandal	Sosthi Ch. Mandal	Mahishdanga	Ranaghat I	9333258985		23°15'10''	88°31'28''			0.27			16					
Nettya Ranjan Sarkar	Lt. Girindra Sarkar	Mahishdanga	Ranaghat I	9333250813		23°15'10''	88°31'28''			0.13			8					
Nimai Sarkar	Lt. Haripada Sarkar	Mahishdanga	Ranaghat I	9333964674		23°15'10''	88°31'28''			0.27			16					
Ujjal Sarkar	Lt. Haripada Sarkar	Mahishdanga	Ranaghat I	8388014672		23°15'10''	88°31'28''			0.27			16					
Souvik Mondal	Uttam Mondal	Mahishdanga	Ranaghat I	9641132838		23°15'10''	88°31'28''			0.27			16					
Sukanta Mondal	Sudeb Mondal	Mahishdanga	Ranaghat I	7318600605		23°15'10''	88°31'28''			0.13			8					
Sonatan Mondal	Sukumar Mondal	Mahishdanga	Ranaghat I	8017648461		23°15'9''	88°31'25''			0.13			8					
Sujit Mahato	Sukumar Mahato	Mahishdanga	Ranaghat I	8436997165		23°15'9''	88°31'25''			0.27			16					
Ratan Mahato	Ranajit Mahato	Mahishdanga	Ranaghat I	7679595407		23°15'9''	88°31'25''			0.27			16					
Shyamal Mahato	Ramkumar Mahato	Santipur	Santipur	9434825808		23°15'9''	88°31'25''			0.13			8					
Utpal Pramanick	Manmotho	Santipur	Santipur	8617597941		23°15'9''	88°31'25''			0.27			16					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
	Pramanick																	
Nepal Pramanick	Rakhal Pramanick	Santipur	Santipur	9733622887		23°15'9''	88°31'25''			0.13			8					
Bina Mahato	Deben Mandal	Santipur	Santipur	9153635950		21°14'8''	88°30'26''			0.13			8					
Pushpa Mahaldar	Amal Mahaldar	Santipur	Santipur	9734949075		21°14'8''	88°30'25''			0.27			16					
Rina Mahato	Surajit Mahato	Santipur	Santipur	7872352782		21°14'8''	88°30'25''			0.13			8					
Rina Mahalder	Vakta Mahalder	Santipur	Santipur	9851258327		21°14'8''	88°30'25''			0.13			8					
Manashi Mahato	Pranab Mahato	Santipur	Santipur	9547849139		21°14'8''	88°30'25''			0.13			8					
Urmila Mahato	Santosh Mahato	Santipur	Santipur	9851858087		21°14'8''	88°30'25''			0.13			8					
Prasanta Pramnick	Mahadeb Pramanick	Santipur	Santipur	9932263262		21°14'8''	88°30'25''			0.27			16					
Bapan Sarkar	Haradhan Sarkar	Santipur	Santipur	8926397341		21°14'8''	88°30'25''			0.27			16					
Gopal Roy	Kishori Roy	Santipur	Santipur	9593412965		21°14'8''	88°30'25''			0.13			8					
Biswajit Biswas	Suranjan Biswas	Santipur	Santipur	9735580290		22°14'8''	88°30'25''			0.13			8					
Suranjan Biswas	Bholanath Biswas	Santipur	Santipur	9735580290		22°14'8''	88°30'25''			0.13			8					
Nipendranath Dutta	Naba Kumar Dutta	Santipur	Santipur	7602752859		21°14'8''	88°30'26''			0.13			8					
Bapi Sarkar	Kanu Sarkar	Santipur	Santipur	9614471794		21°14'8''	88°30'26''			0.13			8					
Basudeb Sarkar	Kanu Sarkar	Santipur	Santipur	9153628394		21°14'8''	88°30'26''			0.13			8					
Ramprasad Biswas	Bablu Biswas	Santipur	Santipur	9732706938		21°14'8''	88°30'26''			0.27			16					
Atiyar Molla	Mosaref	Santipur	Santipur	7031052715		21°14'8''	88°30'26''			0.13			8					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
	Molla																	
Sonali Khatun	Amirul Sakh	Santipur	Santipur	7031052715		21°14'8''	88°30'26''			0.13			8					

Variety : Prakash, Seed treatment**: Inoculation of seed with ***Rhizobium (*@ 0.75* kg / 60 kg of seed requiring for one hectare), **PSB** : Soil application of PSB with cow dung manure @ 2 *l* / ha during final land preparation, **Micronutrients :** @ 0.75 lit / ha, i.e. spraying of 2 ml/ *l* of water before flowering, **Boron** @ 2 kg / ha i.e. 2 g / *l* of water with two sprays 21 DAS and 42 DAS.
(Water requirement is 450 lit / ha)

Crop 5: Chick pea

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Sujoy Biswas	Santosh Biswas	Mahishdanga	Ranaghat I	7407176021		23°15'10''	88°31'28''			0.27	*	Jaki-9218	10	16.5	12.0	13.5	11.6	16.4
Krishnapada Mahato	Lt. Gangahari Mahato	Mahishdanga	Ranaghat I	8538040098		23°15'10''	88°31'28''			0.13			5					
Shyamal Mahato	Hareram Mahato	Mahishdanga	Ranaghat I	7098958736		23°15'10''	88°31'28''			0.27			10					
Rina Mahato	Hus- Gourgopal Mahato	Mahishdanga	Ranaghat I	8538040098		23°15'9''	88°31'27''			0.27			10					
Jayonti Mandal	Subol Mandal	Mahishdanga	Ranaghat I	9332157149		23°15'9''	88°31'27''			0.27			10					
Chittagopal	Lt. Murari	Mahishdanga	Ranaghat I	8001624794		23°15'9''	88°31'27''			0.27			10.					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Mahato	Mahato																	
Kamal Mahato	Jibon Mahato	Mahishdanga	Ranaghat I	8653615517		23°15'9''	88°31'27''			0.27			10					
Apurba Mandal	Srikrishna Mandal	Mahishdanga	Ranaghat I	8506473497		23°15'9''	88°31'27''			0.27			10					
Mangol Mahato	Lt. Monmatha Mahato	Mahishdanga	Ranaghat I	9153059259		23°15'9''	88°31'27''			0.27			10					
Suranjan Mandal	Lt. Sachin Mondal	Mahishdanga	Ranaghat I	7602764129		23°15'9''	88°31'27''			0.27			10					
Sarajit Mahato	Sattyacharan Mahato	Mahishdanga	Ranaghat I	9733307549		23°15'9''	88°31'27''			0.27			10					
Tarak Mondal	Rabi Mondal	Mahishdanga	Ranaghat I	8768221132		23°15'10''	88°31'28''			0.27			10					
Mihir Mahato	Atul Mahato	Mahishdanga	Ranaghat I	9564560421		23°15'10''	88°31'28''			0.13			5					
Suman Mahato	Haradhan Mahato	Mahishdanga	Ranaghat I	8348136912		23°15'10''	88°31'28''			0.13			5					
Bapi Mahato	Bimol Ch. Mahato	Mahishdanga	Ranaghat I	8538047016		23°15'9''	88°31'26''			0.27			10					
Santosh Mahato	Fanibhushon Mahato	Mahishdanga	Ranaghat I	9732485175		23°15'9''	88°31'26''			0.27			10					
Rintu Mahato	Ranjit Mahato	Mahishdanga	Ranaghat I	7074405085		23°15'9''	88°31'26''			0.27			10					
Prakash Mahato	Santosh Mahato	Mahishdanga	Ranaghat I	8436641642		23°15'10''	88°31'28''			0.27			10					
Samar Mahato	Ranjon Mahato	Mahishdanga	Ranaghat I	8768162432		23°15'10''	88°31'28''			0.27			10					
Krishna Mahata	Sridam Mahato	Mahishdanga	Ranaghat I	8538040098		23°15'10''	88°31'28''			0.27			10					
Sankar Mahato	Anurag Mahato	Mahishdanga	Ranaghat I	9681652117		23°15'10''	88°31'28''			0.27			10					
Bishu Biswas	Satish Biswas	Mahishdanga	Ranaghat I	8372973855		23°15'10''	88°31'28''			0.27			10					
Paresh Biswas	Santosh Biswas	Mahishdanga	Ranaghat I	8820736288		23°15'10''	88°31'28''			0.27			10					
Montu Mahato	Badal Mahato	Mahishdanga	Ranaghat I	8478814371		23°15'10''	88°31'28''			0.27			10					
Bioy Mahato	Lt. Fanibhushan Mahato	Mahishdanga	Ranaghat I	1479164322		23°15'10''	88°31'28''			0.27			10					
Pradip Mahato	Lt. Kalachand Mahato	Mahishdanga	Ranaghat I	9083186494		23°15'10''	88°31'28''			0.13			5					
Bablu Mahato	Lt. Gopal	Mahishdanga	Ranaghat I	7478571115		23°15'10''	88°31'28''			0.27			10					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
	Mahato																	
Goutam Mahato	Basudeb Mahato	Mahishdanga	Ranaghat I	9732600447		23°15'10''	88°31'28''			0.27			10					
Bhupati Mahato	Lt. Gopal Mahato	Mahishdanga	Ranaghat I	8001378432		23°15'10''	88°31'28''			0.27			10					
Mahitosh Mahato	Lt. Gopal Mahato	Mahishdanga	Ranaghat I	7797762754		23°15'10''	88°31'28''			0.27			10					
Nittyam Mahato	Basudeb Mahato	Mahishdanga	Ranaghat I	8926104785		23°15'9''	88°31'27''			0.27			10					
Sadhan Mahato	Sankar Mahato	Mahishdanga	Ranaghat I	7098522090		23°15'9''	88°31'27''			0.27			10					
Rabi Mahato	Jatin Mahato	Mahishdanga	Ranaghat I	8759010821		23°15'9''	88°31'27''			0.27			10					
Basudeb Mahato	Lt. Kalachand Mahato	Mahishdanga	Ranaghat I	8926104785		23°15'9''	88°31'27''			0.27			10					
Dukhiram Mahato	Lt. NimI Mahato	Mahishdanga	Ranaghat I	7031650208		23°15'9''	88°31'27''			0.27			10					
Pradip Mandal	Buddhiswar Mandal	Mahishdanga	Ranaghat I	8597206977		23°15'10''	88°31'28''			0.27			10					
Subal Bhowmick	Nittyananda Bhowmick	Mahishdanga	Ranaghat I	8436526698		23°15'10''	88°31'28''			0.27			10					
Sankar Bhowmick	Biddhiswar Bhowmick	Mahishdanga	Ranaghat I	8509832916		23°15'9''	88°31'26''			0.27			10					
Sridam Bhowmick	Nittyananda Bhowmick	Mahishdanga	Ranaghat I	8798326946		23°15'9''	88°31'26''			0.13			5					
Soumitra Mandal	Nandalal Mandal	Mahishdanga	Ranaghat I	8225097254		23°15'9''	88°31'26''			0.27			10					
Pradip Pramanick	Mahadeb Pramanick	Santipur	Santipur	7031319112		21°14'8''	88°30'26''			0.27			10					
Amar Pramanick	Mahadeb Pramanick	Santipur	Santipur	8637025163		21°14'8''	88°30'26''			0.27			10					
Bharath Pramanick	Gour Pramanick	Santipur	Santipur	7872730126		21°14'8''	88°30'26''			0.27			10					
Nabakumar	Biren Mahalder	Santipur	Santipur	7467945999		21°14'8''	88°30'26''			0.27			10					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Mahalder																		
Pintu Pramanick	Ranjan Pramanick	Santipur	Santipur	8617597941		21°14'8''	88°30'26''			0.27			10					
Pradip Mahato	Jiten Mahato	Santipur	Santipur	8642812274		21°14'8''	88°30'26''			0.27			10					
Subhash Mandal	Gobinda Mandal	Santipur	Santipur	7467943627		21°14'9''	88°30'28''			0.13			5					
Amal Pramanick	Dilip Pramanick	Santipur	Santipur	9933186079		21°14'9''	88°30'28''			0.13			5					
Dilip Pramanick	Sirish Pramanick	Santipur	Santipur	9933186079		21°14'9''	88°30'28''			0.27			10					
Radharani Mahalder	Fanindra Mahalder	Santipur	Santipur	9733141216		21°14'9''	88°30'28''			0.27			10					
Goutam Mahato	Gouranga Mahato	Santipur	Santipur	8609086598		21°14'9''	88°30'28''			0.27			10					
Tarak Mahato	Hemanta Mahato	Santipur	Santipur	8967135260		21°14'9''	88°30'28''			0.27			10					
Animesh Mahato	Anil Mahato	Santipur	Santipur	9733920801		21°14'9''	88°30'28''			0.27			10					
Radheshyam Ghosh	Mangal Ghosh	Santipur	Santipur	8346924768		21°14'8''	88°30'26''			0.27			10					
Subal Ghosh	Radheshyam Ghosh	Santipur	Santipur	9735782926		21°14'8''	88°30'26''			0.27			10					
Kumkum Ghosh	Sukumar Ghosh	Santipur	Santipur	9733835150		21°14'8''	88°30'25''			0.27			10					
Swapan Mandal	Balaram Mandal	Santipur	Santipur	9614524880		21°14'8''	88°30'25''			0.27			10					
Partha Sarkar	Prasanta Sarkar	Santipur	Santipur	8637076194		21°14'8''	88°30'25''			0.27			10					
Harugopal Ghosh	Batkrishna Ghosh	Santipur	Santipur	8967373902		21°14'8''	88°30'25''			0.27			10					
Paritosh Halder	Nrisingha Halder	Santipur	Santipur	8967808555		21°14'8''	88°30'25''			0.27			10					
Bholanath Mahato	Subhash Mahato	Santipur	Santipur	9083872139		21°14'8''	88°30'26''			0.27			10					
Nirmal Mahato	Brajogopal Mahato	Santipur	Santipur	8167514083		21°14'8''	88°30'26''			0.27			10					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Sajal Mahato	Ananta Mahato	Santipur	Santipur	9083657441		21°14'8''	88°30'26''			0.27			10					
Buddhadeb Ghosh	Tetul Ghosh	Santipur	Santipur	9153635940		21°14'9''	88°30'27''			0.27			10					
Sandip Mahato	Durgacharan Mahato	Santipur	Santipur	8597132352		21°14'9''	88°30'27''			0.27			10					
Chandana Mahato	Jagannath Mahato	Santipur	Santipur	9547848560		21°14'9''	88°30'27''			0.13			5					
Karuna Mahato	Ranjan Mahato	Santipur	Santipur	9547848560		21°14'9''	88°30'27''			0.27			10					
Ajoy Mondal	Gour Mondal	Santipur	Santipur	9153560051		21°14'9''	88°30'27''			0.27			10					
Akash Mahato	Sanjoy Mahato	Santipur	Santipur	8945876780		21°14'8''	88°30'26''			0.27			10					
Jagannath Mahato	Debnarayan Mahato	Santipur	Santipur	9046709209		21°14'8''	88°30'26''			0.27			10					
Ashim Kr.Mahato	Sridam Ch. Mahato	Santipur	Santipur	9932263282		21°14'8''	88°30'26''			0.13			5					
Ramchandra Biswas	Nandalal Biswas	Santipur	Santipur	9733920701		21°14'8''	88°30'26''			0.27			10					
Subal Mahato	Satish Mahato	Santipur	Santipur	9800708283		21°14'8''	88°30'26''			0.27			10					
Arun Mahato	Subal Mahato	Santipur	Santipur	9800708283		21°14'8''	88°30'26''			0.27			10					
Suman Sarkar	Gopal Sarkar	Santipur	Santipur	9932651595		21°14'8''	88°30'26''			0.27			10					
Paritosh Mahato	Haren Mahato	Santipur	Santipur	9002479857		21°14'8''	88°30'26''			0.27			10					
Raju Mahato	Sushen Mahato	Santipur	Santipur	8388059994		21°14'8''	88°30'26''			0.27			10					
Swadesh Mahato	Haren Mahato	Santipur	Santipur	7478207749		21°14'9''	88°30'27''			0.27			10					
Paritosh Mahato	Konthiram Mahato	Santipur	Santipur	8942942836		21°14'9''	88°30'27''			0.27			10					
Sankar Mahato	Swapan Mahato	Santipur	Santipur	8945876037		21°14'9''	88°30'27''			0.13			5					

Variety : JAKI-9218, Seed treatment**: Inoculation of seed with ***Rhizobium (*@ 0.75* kg / 60 kg of seed requiring for one hectare), **PSB** : Soil application of PSB with cow dung manure @ 2 *l* / ha during final land preparation, **Micronutrients :** 2 kg / ha, i.e. 2g / *l* of water with two

sprays 21 DAS and before flowering, **Magnesium (Mg)** increase Photosysthesis process as it is a building block of the Chlorophyll, which makes leaves appear green.and ultimately increase yield

(Water requirement is 450 lit / ha)

Crop 6: Mustard

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Dhananjay Biswas	Joydeb Biswas	Gopalpara	Karimpur-I	9732547981		23.°57'17''	88°37'53''	No	NA	0.27	***	JD-6	2	13.5	10.9	12.0	10.12	18.6
Bijoy Mondal	Bipad Mondal	Gopalpara	Karimpur-I	9609445277		23.°57'17''	88°37'53''	No	NA	0.27			2					
Rajaul Mondal	Injur Mondal	Gopalpara	Karimpur-I	9593101182		23.°57'17''	88°37'53''	No	NA	0.13			1					
Michhiranbibi Sakh	Iyara Ali	Gopalpara	Karimpur-I	7479109230		23.°57'16''	88°37'52''	No	NA	0.13			1					
Sujit Biswas	Ajit Biswas	Gopalpara	Karimpur-I	7797108489		23.°57'17''	88°37'52''	No	NA	0.13			1					
Biswajit Das	Anil Das	Gopalpara	Karimpur-I	7719176186		23.°57'17''	88°37'53''	No	NA	0.13			1					
Chhader Sk.	Abodul Sk	Gopalpara	Karimpur-I	8370922986		23.°57'17''	88°37'53''	No	NA	0.13			1					
Abdul Sk.	Kameruddin Sk.	Gopalpara	Karimpur-I	8372914309		23.°57'17''	88°37'53''	No	NA	0.27			2					
Mostafa Sekh	Aptar Sekh	Gopalpara	Karimpur-I	9641901623		23.°57'16''	88°37'52''	No	NA	0.13			1					
Arsad Mondal	Daud Mondal	Gopalpara	Karimpur-I	8768725170		23.°57'16''	88°37'52''	No	NA	0.13			1					
Ajit Sekh	Asmat Sekh	Gopalpara	Karimpur-I	8018435409		23.°57'16''	88°37'52''	No	NA	0.13			1					
Ajiz Biswas	Nafar Biswas	Gopalpara	Karimpur-I	8001363006		23.°57'16''	88°37'52''	No	NA	0.13			1					
Manirul Sekh	Najimuddin Sekh	Gopalpara	Karimpur-I	9647883773		23.°57'17''	88°37'53''	No	NA	0.13			1					
Siraj Sekh	Chhaleman	Gopalpara	Karimpur-I	9614057524		23.°57'17''	88°37'53''	No	NA	0.27			2					
Chhapiya Sekh	Tufaz Sekh	Gopalpara	Karimpur-I	7438835484		23.°57'17''	88°37'53''	No	NA	0.27			2					
Chhaber Sekh	Karim Sekh	Gopalpara	Karimpur-I	9735191377		23.°57'17''	88°37'53''	No	NA	0.27			2					
Manirul Mondal	Kudduch Mondal	Gopalpara	Karimpur-I	9609962835		23.°57'17''	88°37'53''	No	NA	0.13			1					
Hossein Mondal	Atrali Mondal	Gopalpara	Karimpur-I	9775806185		23.°57'17''	88°37'53''	No	NA	0.13			1					
Susanta Das	Naskar Das	Gopalpara	Karimpur-I	7719138830		23.°57'17''	88°37'53''	No	NA	0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Yadali Sekh	Kheder Sekh	Gopalpara	Karimpur-I	9609445277		23.°57'17''	88°37'53''	No	NA	0.13			1					
Aynoddin Sekh	Jamir Sekh	Gopalpara	Karimpur-I	7719172333		23.°57'17''	88°37'53''	No	NA	0.13			1					
Jamsed Shaikh	Nifaj Shaikh	Gopalpara	Karimpur-I	9734171380		23.°57'17''	88°37'53''	No	NA	0.13			1					
Jamat Sekh	Didar Sekh	Gopalpara	Karimpur-I	8371086224		23.°57'17''	88°37'53''	No	NA	0.13			1					
Umat Sekh	Didar Sekh	Gopalpara	Karimpur-I	8370923196		23.°57'16''	88°37'52''	No	NA	0.13			1					
Salam Sekh	Afajddin Sekh	Gopalpara	Karimpur-I	7407633641		23.°57'16''	88°37'52''	No	NA	0.13			1					
Liykat Sekh	Jamor Sekh	Gopalpara	Karimpur-I	8768457085		23.°57'16''	88°37'52''	No	NA	0.13			1					
Chanchal Roy	Ajoyratan Roy	Karimpur	Karimpur-I	7699132335		24°2'8''	88°41'40''	No	NA	0.13			1					
Chitrra Roy	Ajoyratan Roy	Karimpur	Karimpur-I	9775104290		24°2'8''	88°41'39''	No	NA	0.27			2					
Nirmal Sarkar	Niren Sarkar	Karimpur	Karimpur-I	9083238897		24°2'8''	88°41'40''	No	NA	0.13			1					
Bhugol Sekh	Banshi Sekh	Karimpur	Karimpur-I	8538881751		24°2'8''	88°41'39''	No	NA	0.13			1					
Binoy Biswas	Brajogopal Biswas	Karimpur	Karimpur-I	7872254965		24°2'8''	88°41'39''	No	NA	0.13			1					
Biswajit Mondal	Narayan Ch. Mondal	Karimpur	Karimpur-I	8609725190		24°2'8''	88°41'39''	No	NA	0.27			2					
Sandhyarani Mondal	Narayan Ch. Mondal	Karimpur	Karimpur-I	9735371951		24°2'8''	88°41'40''	No	NA	0.13			1					
Hipaj Sk	Alimuddin Sk	Karimpur	Karimpur-I	8436455705		24°2'8''	88°41'40''	No	NA	0.27			2					
Abu Sekh	Echharuddin Sekh	Karimpur	Karimpur-I	8001097163		24°2'8''	88°41'40''	No	NA	0.27			2					
Satyen Das	Tarapada Das	Karimpur	Karimpur-I	7719176186		24°2'8''	88°41'39''	No	NA	0.27			2					
Somen Mondal	Kalipada Mondal	Rainagar	Karimpur-I	9609262654		24°1'36''	88°10'40''	No	NA	0.13			1					
Satyendra nath Biswas	Sankar Ch. Biswas	Rainagar	Karimpur-I	9732662716		24°1'36''	88°10'40''	No	NA	0.13			1					
Sanjoy Mondal	Amaresh Mondal	Rainagar	Karimpur-I	9735299453		24°1'36''	88°10'40''	No	NA	0.13			1					
Jiban Biswas	Jitendra Nath Biswas	Rainagar	Karimpur-I	9735516708		24°1'36''	88°10'40''	No	NA	0.13			1					
Pintu Biswas	Bhupendra	Rainagar	Karimpur-I	9732735240		24°1'36''	88°10'40''	No	NA	0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
	Nath Biswas																	
Sanat Kr. Biswas	Sankar Ch. Biswas	Rainagar	Karimpur-I	9775107183		24°1'36''	88°10'40''	No	NA	0.13			1					
Mangal Ch. Mondal	Rishipada Mondal	Rainagar	Karimpur-I	7470775130		24°1'35''	88°10'38''	No	NA	0.13			1					
Beauty Biswas	Asit Kr. Biswas	Rainagar	Karimpur-I	9800963794		24°1'36''	88°10'38''	No	NA	0.27			2					
Sanjit Pramanick	Shanti Pramanick	Rainagar	Karimpur-I	8972350815		24°1'36''	88°10'40''	No	NA	0.27			2					
Manaj Kr. Biswas	Jitendra Nath Biswas	Rainagar	Karimpur-I	9083048762		24°1'36''	88°10'40''	No	NA	0.13			1					
Asit Kr. Biswas	Bhupendra Nath Biswas	Rainagar	Karimpur-I	9609285058		24°1'36''	88°10'40''	No	NA	0.13			1					
Samiran Mondal	Ratan Mondal	Rainagar	Karimpur-I	8972099430		24°1'36''	88°10'40''	No	NA	0.13			1					
Avijit Mondal	Abani Mandal	Rainagar	Karimpur-I	9732061363		24°1'35''	88°10'38''	No	NA	0.27			2					
Anup Biswas	Arun Biswas	Rainagar	Karimpur-I	9775622080		24°1'36''	88°10'40''	No	NA	0.13			1					
Bijay Das	Kshepu Das	Rainagar	Karimpur-I	9775622080		24°1'36''	88°10'40''	No	NA	0.13			1					
Ananta Pramanik	Nimai Pramanik	Rainagar	Karimpur-I	9775622080		24°1'36''	88°10'40''	No	NA	0.13			1					
Chaitanya Biswas	Nidhubon Biswas	Rainagar	Karimpur-I	9733733643		24°1'36''	88°10'40''	No	NA	0.13			1					
Rahamat Mondal	Mojahar Mondal	Rainagar	Karimpur-I	9733655046		24°1'35''	88°10'38''	No	NA	0.13			1					
Muchha Sekh	Ramjan Sekh	Rainagar	Karimpur-I	8609620401		24°1'35''	88°10'38''	No	NA	0.13			1					
Sanjit Mondal	Nepal Mondal	Rainagar	Karimpur-I	9635251736		24°1'35''	88°10'38''	No	NA	0.13			1					
Chiranjit Mandal	Sujan Mandal	Rainagar	Karimpur-I	8350016208		24°1'36''	88°10'40''	No	NA	0.13			1					
Dhirendra Nath Biswas	Sahadeb Biswas	Rainagar	Karimpur-I	8348375488		24°1'36''	88°10'40''	No	NA	0.27			2					
Bidhan Mandal	Bhusan Mondal	Rainagar	Karimpur-I	9126858820		24°1'36''	88°10'40''	No	NA	0.27			2					
Birendranath	Satish Mondal	Rainagar	Karimpur-I	9735242251		24°1'36''	88°10'40''	No	NA	0.27			2					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Mondal																		
Khagendra Mondal	Satish Mondal	Rainagar	Karimpur-I	9735242251		24°1'36''	88°10'40''	No	NA	0.13			1					
Swarajit Mondal	Sanatan Mondao	Rainagar	Karimpur-I	9932670076		24°1'36''	88°10'40''	No	NA	0.13			1					
Pradip Halder	Sudhir Halder	Rainagar	Karimpur-I	9043107832		24°1'36''	88°10'40''	No	NA	0.13			1					
Nandalal Biswas	Gour Ch. Biswas	Rainagar	Karimpur-I	9609407988		24°1'36''	88°10'40''	No	NA	0.13			1					
Soumitra Biswas	Satyendra Nath Biswas	Rainagar	Karimpur-I	7699725040		24°1'36''	88°10'40''	No	NA	0.13			1					
Mantu Mandal	Rahamat Mondal	Rainagar	Karimpur-I	9733655046		24°1'36''	88°10'40''	No	NA	0.27			2					
Sontu Biswas	Satyen Biswas	Rainagar	Karimpur-I	9647217586		24°1'35''	88°10'38''	No	NA	0.13			1					
Mukul Pramanik	Lt. Jitendranath Pramanik	Rainagar	Karimpur-I	9547716738		24°1'35''	88°10'38''	No	NA	0.13			1					
Niloy Kr. Mondal	Nitai Ch. Mondal	Jamsherpur	Karimpur-I	9732919157		24°2'8''	88°41'40''	No	NA	0.13			1					
Manoj Mondal	Maharanjan Mondal	Jamsherpur	Karimpur-I	8348646336		24°2'8''	88°41'40''	No	NA	0.13			1					
Amrita Mondal	Lalit Mondal	Jamsherpur	Karimpur-I	9735106973		24°2'8''	88°41'40''	No	NA	0.27			2					
Prasanna Sarkar	Bishnupada Sarkar	Jamsherpur	Karimpur-I	9733109153		24°2'8''	88°41'40''	No	NA	0.27			2					
Yadab Kr. Pramanik	Maharanjan Pramanik	Jamsherpur	Karimpur-I	8145346304		24°2'8''	88°41'39''	No	NA	0.13			1					
Sujit Joarder	Shambhu Nath Joarder	Jamsherpur	Karimpur-I	9734583530		24°2'8''	88°41'39''	No	NA	0.13			1					
Rupkumar Sarkar	Ranjit Sarkar	Jamsherpur	Karimpur-I	8158965426		24°2'8''	88°41'39''	No	NA	0.13			1					
Biswajit Sarkar	Ganesh Sarkar	Jamsherpur	Karimpur-I	9735649524		24°2'8''	88°41'39''	No	NA	0.13			1					
Masadul Mir	Nazrul Mir	Jamsherpur	Karimpur-I	7872208384		24°2'8''	88°41'40''	No	NA	0.13			1					
Balaram Sarkar	Jatindranath Sarkar	Jamsherpur	Karimpur-I	9074346311		24°2'7''	88°41'37''	No	NA	0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Basudeb Pramanik	Gagannat Pramanik	Jamsherpur	Karimpur-I	9735576193		24°2'7''	88°41'37''	No	NA	0.13			1					
Gour Sarkar	Ashtasundar Sarkar	Jamsherpur	Karimpur-I	7872405388		24°2'7''	88°41'37''	No	NA	0.13			1					
Narendranath Pramanik	Ananda Pramanik	Jamsherpur	Karimpur-I	7797200828		24°2'7''	88°41'37''	No	NA	0.13			1					
Prasanta Pramanik	Profulla Pramanik	Jamsherpur	Karimpur-I	8370982208		24°2'7''	88°41'37''	No	NA	0.13			1					
Anil Pramanik	Debendra Pramanik	Jamsherpur	Karimpur-I	9735146448		24°2'8''	88°41'40''	No	NA	0.13			1					
Mangal Mandal	Sachinandan Mandal	Jamsherpur	Karimpur-I	7719273570		24°2'8''	88°41'40''	No	NA	0.13			1					
Tapan Biswas	Abani Biswas	Jamsherpur	Karimpur-I	8537937242		24°2'8''	88°41'39''	No	NA	0.27			2					
Bishmadab Biswas	Gobinda Biswas	Jamsherpur	Karimpur-I	9609835435		24°2'8''	88°41'39''	No	NA	0.27			2					
Narottam Pramanick	Nanda Pramannick	Jamsherpur	Karimpur-I	9734868756		24°2'8''	88°41'39''	No	NA	0.27			2					
Ashok Pramanik	Anil Pramanik	Jamsherpur	Karimpur-I	9735041942		24°2'8''	88°41'40''	No	NA	0.13			1					
Jitendranath Pramanick	Annada Pramanick	Jamsherpur	Karimpur-I	7797200828		24°2'8''	88°41'40''	No	NA	0.13			1					
Dibos Pramanik	Balaram Pramanik	Jamsherpur	Karimpur-I	8001128461		24°2'8''	88°41'40''	No	NA	0.13			1					
Ajad ali Khan	Mahammad Khan	Jamsherpur	Karimpur-I	8145034923		24°2'8''	88°41'40''	No	NA	0.27			2					
Koushik Sikder	Kalicharan Sikder	Jamsherpur	Karimpur-I	8536924710		24°2'8''	88°41'40''	No	NA	0.13			1					
Binay Mandal	Bireswar Mandal	Jamsherpur	Karimpur-I	9609012505		24°2'8''	88°41'40''	No	NA	0.13			1					
Tarunkanti Sarkar	Rampada Sarkar	Jamsherpur	Karimpur-I	9093025982		24°2'8''	88°41'40''	No	NA	0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Ranjit Mondal	Manindra Mondal	Jamsherpur	Karimpur-I	9564817731		24°2'8''	88°41'40''	No	NA	0.13			1					
Jayanta Mondal	Jaydab Mandal	Jamsherpur	Karimpur-I	8001380384		24°2'8''	88°41'40''	No	NA	0.13			1					
Swapan Biswas	Nitai Ch. Biswas	Jamsherpur	Karimpur-I	9775124156		24°2'8''	88°41'40''	No	NA	0.13			1					
Tapan Mandal	Srimanta Mandal	Jamsherpur	Karimpur-I	9093025982		24°2'8''	88°41'40''	No	NA	0.13			1					
Jaydeb Mandal	Ghutu Mandal	Jamsherpur	Karimpur-I	9609473130		24°2'8''	88°41'40''	No	NA	0.13			1					
Biswajit Mondal	Chandi Mondal	Jamsherpur	Karimpur-I	7407740332		24°2'8''	88°41'40''	No	NA	0.13			1					
Sujoy Sarkar	Satyendra Nath Sarkar	Jamsherpur	Karimpur-I	9735159170		24°2'8''	88°41'40''	No	NA	0.13			1					
Sushil Mandal	Gopal Mondal	Jamsherpur	Karimpur-I	9800553455		24°2'8''	88°41'40''	No	NA	0.13			1					
Amal Mondal	Ranupada Mondal	Jamsherpur	Karimpur-I	9002636458		24°2'8''	88°41'40''	No	NA	0.13			1					
Uttam Shill	Ganapati Shil	Jamsherpur	Karimpur-I	9679322089		24°2'8''	88°41'40''	No	NA	0.27			2					
Biswajit Mandal	Gour Mandal	Jamsherpur	Karimpur-I	9734009444		24°2'8''	88°41'40''	No	NA	0.27			2					
Dhalu SK.	Khodabox	Jamsherpur	Karimpur-I	8609620901		24°2'8''	88°41'40''	No	NA	0.27			2					
Bikash Das	Narayan Das	Jamsherpur	Karimpur-I	9775471401		24°2'8''	88°41'40''	No	NA	0.13			1					
Prakash Das	Narayan Das	Jamsherpur	Karimpur-I	9593147274		24°2'8''	88°41'40''	No	NA	0.13			1					
Bijay Mondal	Jatindranath Mandal	Jamsherpur	Karimpur-I	8373857160		24°2'8''	88°41'40''	No	NA	0.13			1					
Subrata Mondal	Jaydeb Mandal	Jamsherpur	Karimpur-I	9734542973		24°2'8''	88°41'40''	No	NA	0.13			1					
Asmot Mandal	Mujahar Mandal	Jamsherpur	Karimpur-I	8348819499		24°2'7''	88°41'37''	No	NA	0.13			1					
Sankari Mandal	Diren Mandal	Jamsherpur	Karimpur-I	9002735404		24°2'7''	88°41'37''	No	NA	0.13			1					
Santana Mandal	Ranjit Dey	Jamsherpur	Karimpur-I	9093025982		24°2'7''	88°41'37''	No	NA	0.13			1					
Pampi Sikder	Basudev Mandal	Jamsherpur	Karimpur-I	8536924710		24°2'7''	88°41'37''	No	NA	0.13			1					
Chater Biswas	Bichar Biswas	Jamsherpur	Karimpur-I	7872405389		24°2'7''	88°41'37''	No	NA	0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Subrara das Bairagya	Satyacharan Das Bairagya	Jamsherpur	Karimpur-I	7872405389		24°2'7''	88°41'37''	No	NA	0.13			1					
Ranjit Sarkar	Lt. Pramatha Sarkar	Jamsherpur	Karimpur-I	7872553214		24°2'8''	88°41'39''	No	NA	0.13			1					
Jadab Biswas	Lt. Adhir Kr. Biswas	Jamsherpur	Karimpur-I	9635533579		24°2'8''	88°41'39''	No	NA	0.27			2					
Sharath Swarnakar	Lt. Sudhir Swarnakar	Jamsherpur	Karimpur-I	9635533573		24°2'8''	88°41'39''	No	NA	0.27			2					
Prahlad Sarkar	Lt. Profulla Sarkar	Jamsherpur	Karimpur-I	9775293224		24°2'7''	88°41'37''	No	NA	0.27			2					
Kaizer Uddin	Lt. Wazedali Uddin	Kastodanga	Chakdaha	9933655035		22°58'13"	88°37'56"	No	NA	0.27			2					
Rabial Mondal	Lt. Fayjaddin Mandal	Kastodanga	Chakdaha	9734754297		22°58'13"	88°37'56"	No	NA	0.13			1					
Anwar Hossain Mondal	Afchhar Mondal	Kastodanga	Chakdaha	9647028744		22°58'12"	88°37'54"	No	NA	0.27			2					
Sukurali Mondal	Lt. Chhamedali Mondal	Kastodanga	Chakdaha	9732627186		22°58'12"	88°37'54"	No	NA	0.27			2					
Janab bibi Mondal	Majit Mondal	Kastodanga	Chakdaha	8145300315		22°58'12"	88°37'54"	No	NA	0.27			2					
Hafijul Mondal	Majit Mondal	Kastodanga	Chakdaha	9775077071		22°58'12"	88°37'54"	No	NA	0.27			2					
Haran Mandal	Lt. Fayjaddin Mandal	Kastodanga	Chakdaha	9775217249		22°58'13"	88°37'55"	No	NA	0.27			2					
Aminuddin Mondal	Lt. Chhamed Mondal	Kastodanga	Chakdaha	9609472990		22°58'13"	88°37'55"	No	NA	0.27			2					
Faruk Ahmed	Lt. Nijamuddin Mondal	Kastodanga	Chakdaha	9564258268		22°58'13"	88°37'55"	No	NA	0.13			1					
Minaj uddin Ahmed	Lt. Nijamuddin Mondal	Kastodanga	Chakdaha	8348810599		22°58'13"	88°37'55"	No	NA	0.27			2					
Yasin Mandal	Aminuddin Mondal	Kastodanga	Chakdaha	8145055431		22°58'13"	88°37'55"	No	NA	0.27			2					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Giyasuddin Mandal	Lt. Gopal Mondal	Kastodanga	Chakdaha	7076106723		22°58'13"	88°37'56"	No	NA	0.13			1					
Sahadat Mondal	Lt. Abdul sattar Mandal	Kastodanga	Chakdaha	9564743354		22°58'13"	88°37'56"	No	NA	0.13			1					
Kaburabibi Mondal	Lt. Abdul sattar Mandal	Kastodanga	Chakdaha	7872259002		22°58'13"	88°37'56"	No	NA	0.13			1					
Trinath Saha	Lt. Jashodalal Saha	Kastodanga	Chakdaha	9733778810		22°58'13"	88°37'56"	No	NA	0.27			2					
Ashadul Mondal	Aminuddin Mondal	Kastodanga	Chakdaha	9609472990		22°58'13"	88°37'56"	No	NA	0.13			1					
Kutubuddin Mondal	Nasiruddin Mondal	Kastodanga	Chakdaha	7699749884		22°58'13"	88°37'56"	No	NA	0.13			1					
Parswanath Saha	Jashodalal Saha	Kastodanga	Chakdaha	8768756731		22°58'13"	88°37'56"	No	NA	0.13			1					
Nandalal Bhowmick	Bhabatosh ch. Bhowmick	Kastodanga	Chakdaha	9126037776		22°58'13"	88°37'56"	No	NA	0.27			2					
Najrul Islam	Sukurali Mondal	Kastodanga	Chakdaha	9732627186		22°58'13"	88°37'56"	No	NA	0.13			1					
Aizul hosen Mondal	Afchhar Mondal	Kastodanga	Chakdaha	7797307221		22°58'13"	88°37'56"	No	NA	0.27			2					
Aijul Mondal		Kastodanga	Chakdaha	8145098277		22°58'13"	88°37'56"	No	NA	0.13			1					
Arabinda Mondal	Basanta Mondal	Kastodanga	Chakdaha	8145098277		22°58'13"	88°37'56"	No	NA	0.13			1					
Basudeb Biswas	Lt. Rampada Biswas	Kastodanga	Chakdaha	8116645576		22°58'13"	88°37'56"	No	NA	0.13			1					
Arjun Mondal	Bijoy kr. Mondal	Kastodanga	Chakdaha	9593048809		22°58'13"	88°37'56"	No	NA	0.27			2					
Bhim Mondal	Bijoy kr. Mondal	Kastodanga	Chakdaha	9635350515		22°58'13"	88°37'56"	No	NA	0.27			2					
Animesh Mondal	Santosh Mondal	Kastodanga	Chakdaha	8942072648		22°58'13"	88°37'56"	No	NA	0.27			2					
Ananta Sarkar	Hazupada Sarkar	Kastodanga	Chakdaha	8942072648		22°58'13"	88°37'56"	No	NA	0.27			2					
Bibekananda	Nakul Ch. Sarkar	Kastodanga	Chakdaha	9775529952		22°58'13"	88°37'56"	No	NA	0.27			2					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Sarkar																		
Kamalesh Mondal	Santosh Mondal	Kastodanga	Chakdaha	8972243602		22°58'13"	88°37'56"	No	NA	0.13			1					
Birendranath Mandal	Basanta Mondal	Kastodanga	Chakdaha	8972474683		22°58'13"	88°37'56"	No	NA	0.13			1					
Manikhar Mondal	Akkaj Mondal	Kastodanga	Chakdaha	7797246229		22°58'13"	88°37'56"	No	NA	0.13			1					
Joyprokash Sarkar	Lt. Jitendranath Sarkar	Kastodanga	Chakdaha	9933962523		22°58'13"	88°37'56"	No	NA	0.27			2					
Ananta Das	Lt. Sudhir Das	Kastodanga	Chakdaha	7719189463		22°58'13"	88°37'56"	No	NA	0.13			1					
Dulal Das	Lt. Narayan Das	Kastodanga	Chakdaha	7719189463		22°58'13"	88°37'56"	No	NA	0.13			1					
Jagadish Sarkar	Lt. Bishnupada Sarkar	Kastodanga	Chakdaha	9732724824		22°58'13"	88°37'56"	No	NA	0.13			1					
Mujibor Rahaman Sokrana	Lt. Mahatabuddin Ahred	Kastodanga	Chakdaha	9732724824		22°58'13"	88°37'56"	No	NA	0.27			2					
Mrityunjoy Ghosh	Lt. Kartik Ghosh	Kastodanga	Chakdaha	9733510614		22°58'13"	88°37'56"	No	NA	0.13			1					
Urmila Dhali	Hazupada Sarkar	Kastodanga	Chakdaha	8768613678		22°58'12"	88°37'54"	No	NA	0.13			1					
Bharat Ch. Biswas	Lt. Sanaton Biswas	Kastodanga	Chakdaha	8768085409		22°58'12"	88°37'54"	No	NA	0.13			1					
Goshtagopal Sarkar	Sashibar Sarkar	Kastodanga	Chakdaha	7872038767		22°58'12"	88°37'54"	No	NA	0.27			2					
Krishnapada Mondal	Pagal Mondal	Kastodanga	Chakdaha	8001981448		22°58'12"	88°37'54"	No	NA	0.13			1					
Bimalendu Mondal	Radhakanta Mondal	Kastodanga	Chakdaha	9932778332		22°58'12"	88°37'54"	No	NA	0.13			1					
Amulya Mondal	Satish Ch. Mondal	Kastodanga	Chakdaha	9775528192		22°58'12"	88°37'54"	No	NA	0.13			1					
Bharat Ch.	Bhabendra nath	Kastodanga	Chakdaha	9735284703		22°58'13"	88°37'55"	No	NA	0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brief technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Bachhar	Bachhar																	
Prashanta Mondal	Kanak Mondal	Kastodanga	Chakdaha	9609894579		22°58'13"	88°37'55"	No	NA	0.13			1					
Pijush Mandal	Kanak Mondal	Kastodanga	Chakdaha	8343098170		22°58'13"	88°37'56"	No	NA	0.13			1					
Prohallad Halder	Dulal Halder	Kastodanga	Chakdaha	8343098170		22°58'13"	88°37'56"	No	NA	0.13			1					
Sukanta Sarkar	Basanta Sarkar	Kastodanga	Chakdaha	9593628434		22°58'13"	88°37'55"	No	NA	0.27			2					
Binoy Krishna Sarkar	Lt. Hajupada Sarkar	Kastodanga	Chakdaha	9564436043		22°58'13"	88°37'55"	No	NA	0.13			1					
Paritosh Biswas	Brobash Biswas	Kastodanga	Chakdaha	8116229414		22°58'13"	88°37'55"	No	NA	0.13			1					
Naba Kumar Mondal	Banikanta Mondal	Kastodanga	Chakdaha	9679262540		22°58'13"	88°37'56"	No	NA	0.13			1					
Rabindra nath Mondal	Basanta Mondal	Kastodanga	Chakdaha	7872424445		22°58'12"	88°37'54"	No	NA	0.13			1					
Hemendra Mondal	Harendra Mondal	Kastodanga	Chakdaha	7872424445		22°58'12"	88°37'54"	No	NA	0.13			1					

*** Variety :** JD-6, Application of Sulphur @ 2 kg/ ha, i.e. 2g / *l* of water with two sprays 21 DAS and before flowering)
(Water requirement is 450 lit / ha)

Crop 7: Green gram (Summer)

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Madhab Biswas	Dulal Biswas	Hatishala(N)	Krishnagar-I	7031759430		23°19'33''	88°27'56''			0.27		**SAMRAT**	8					
Amit Biswas	Biswajit Biswas	Hatishala(N)	Krishnagar-I	7098047208		23°19'33''	88°27'56''			0.13			4					
Putul Biswas	Mithun Biswas	Hatishala(N)	Krishnagar-I	9126974188		23°19'33''	88°27'56''			0.13			4					
Mithun Biswas	Nimai Biswas	Hatishala(N)	Krishnagar-I	9153606465		23°19'33''	88°27'56''			0.13			4					
Shipra Mandal	Narayan Mandal	Hatishala(N)	Krishnagar-I	7604205355		23°19'33''	88°27'56''			0.27			8					
Nityandra Saha	Krishnapada Saha	Hatishala(N)	Krishnagar-I	9734682713		23°19'33''	88°27'56''			0.13			4					
Sentu Biswas	Prabir Biswas	Hatishala(N)	Krishnagar-I	9733755608		23°19'33''	88°27'56''			0.13			4					
Madhu Biswas	Dulal Biswas	Hatishala(N)	Krishnagar-I	9851974188		23°19'33''	88°27'56''			0.27			8					
Tapas Biswas	Madhab Biswas	Hatishala(N)	Krishnagar-I	7031759430		23°19'33''	88°27'56''			0.13			4					
Raju Biswas	Yadeb Biswas	Hatishala(N)	Krishnagar-I	9851420131		23°19'33''	88°27'56''			0.13			4					
Krishnapada Ghosh	Namita Ghosh	Hatishala(N)	Krishnagar-I	9749414126		23°19'33''	88°27'56''			0.27			8					
Lakshmirani Ghosh	Santosh Ghosh	Hatishala(N)	Krishnagar-I	7031577808		23°19'33''	88°27'56''			0.13			4					
Arbindu Das	Badal Das	Hatishala(N)	Krishnagar-I	9614744696		23°19'33''	88°27'56''			0.27			8					
Sujata Ghosh	Krishna Ghosh	Hatishala(N)	Krishnagar-I	9851326557		23°19'33''	88°27'56''			0.13			4					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Sangiban Ghosh	Santosh Ghosh	Hatishala(N)	Krishnagar-I	8906288172		23°19'33''	88°27'56''			0.13			4					
Debabarata Mandal	Panchan Mandal	Hatishala(N)	Krishnagar-I	9804810147		23°19'33''	88°27'56''			0.13			4					
Rakesh Mandal	Debabarata Mandal	Hatishala(N)	Krishnagar-I	9614339214		23°19'33''	88°27'56''			0.13			4					
Sukumar Biswas	Birvadra Biswas	Hatishala(N)	Krishnagar-I	9083042558		23°19'33''	88°27'56''			0.13			4					
Manik Biswas	Abhaypada Biswas	Hatishala(N)	Krishnagar-I	9775546630		23°19'33''	88°27'56''			0.27			8					
Nabakumar Biswas	Ananta Biswas	Hatishala(N)	Krishnagar-I	9851807864		23°19'33''	88°27'56''			0.13			4					
Astam Biswas	Ananda Biswas	Hatishala(N)	Krishnagar-I	9851801052		23°19'33''	88°27'56''			0.27			8					
Sujit Biswas	Madhu Biswas	Hatishala(N)	Krishnagar-I	9614764957		23°19'33''	88°27'56''			0.13			4					
Kanai Biswas	Panchugopal Biswas	Hatishala(N)	Krishnagar-I	8629985115		23°19'33''	88°27'56''			0.27			8					
Rajesh Mondal	Debabarata Mandal	Hatishala(N)	Krishnagar-I	8537840089		23°19'33''	88°27'56''			0.13			4					
Biswajit Biswas	Madhu Biswas	Hatishala(N)	Krishnagar-I	9126974188		23°19'33''	88°27'56''			0.13			4					
Dipak Sarkar	Santosh Sarkar	Hatishala(N)	Krishnagar-I	9734883046		23°19'33''	88°27'56''			0.13			4					
Subhen Mandal	Parimal Mandal	Hatishala(N)	Krishnagar-I	9333526508		23°19'33''	88°27'56''			0.27			8					
Chiranjit Biswas	Narad Biswas	Hatishala(N)	Krishnagar-I	8509696985		23°19'33''	88°27'56''			0.13			4					
Amar Das	Arbinda Das	Hatishala(N)	Krishnagar-I	9614362293		23°19'33''	88°27'56''			0.13			4					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Riya Ghosh	Sushil Ghosh	Hatishala(N)	Krishnagar-I	7470246764		23°19'33''	88°27'56''			0.13			4					
Susanta Dutta	Shredam Dutta	Hatishala(N)	Krishnagar-I	8391016911		23°19'33''	88°27'56''			0.27			8					
Swapan Debnath	Gopal Debnath	Hatishala(N)	Krishnagar-I	7602801764		23°19'33''	88°27'56''			0.13			4					
Kaamal Kumar Nath	Amulya Kumar Nath	Hatishala(N)	Krishnagar-I	7602255355		23°19'33''	88°27'56''			0.27			8					
Amit Durlav	Ratan Durlav	Hatishala(N)	Krishnagar-I	9143406396		23°19'33''	88°27'56''			0.13			4					
Narad Biswas	Dhiren Biswas	Hatishala(N)	Krishnagar-I	9614503018		23°19'33''	88°27'56''			0.13			4					
Pintu Biswas	Ratan Biswas	Hatishala(N)	Krishnagar-I	9734469510		23°19'33''	88°27'56''			0.13			4					
Labakumar Biswas	Anilkumar Biswas	Hatishala(N)	Krishnagar-I	9464899427		23°19'33''	88°27'56''			0.13			4					
Shovan Biswas	Khokan Biswas	Hatishala(N)	Krishnagar-I	9734469510		23°19'33''	88°27'56''			0.27			8					
Mallik Biswas	Nantu Biswas	Hatishala(N)	Krishnagar-I	9464899427		23°19'33''	88°27'56''			0.13			4					
Urmila Biswas	Kush Biswas	Hatishala(N)	Krishnagar-I	9464899427		23°19'33''	88°27'56''			0.13			4					
Sujit Kabiraj	Sudhir Kabiraj	Santipur	Santipur	9091094463		21°14'8''	88°30'26''			0.27			8					
Sushanta Mahato	Upendranath Mahato	Santipur	Santipur	7872845393		21°14'8''	88°30'26''			0.13			4					
Ramchandra Mahato	Sudhir Mahato	Santipur	Santipur	7908093064		21°14'8''	88°30'26''			0.13			4					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Tapas Ghosh	Jaleswar Ghosh	Santipur	Santipur	7407060072		21°14'8''	88°30'26''			0.13			4					
Suman Sarkar	Gopal Sarkar	Santipur	Santipur	7407060072		21°14'8''	88°30'26''			0.13			4					
Raghunath Saha	Gopinath Saha	Santipur	Santipur	8926750843		21°14'8''	88°30'26''			0.13			4					
Manik Debnath	Kshetramohan Debnath	Santipur	Santipur	9735661572		21°14'8''	88°30'26''			0.13			4					
Bikash Biswas	Kanai Biswas	Santipur	Santipur	9126462125		21°14'8''	88°30'26''			0.13			4					
Shyamal Biswas	Sahadeb Biswas	Santipur	Santipur	8926750843		21°14'8''	88°30'26''			0.13			4					
Patit Mahato	Atul Mahato	Santipur	Santipur	8926750843		21°14'8''	88°30'26''			0.13			4					
Sanjoy Chowdhury	Prabhat Chowdhury	Santipur	Santipur	9733704800		21°14'8''	88°30'26''			0.27			8					
Dhananjoy Chowdhury	Prabhat Chowdhury	Santipur	Santipur	8170825794		21°14'8''	88°30'26''			0.13			4					
Shraboni Chowdhury	Sanjoy Chowdhury	Santipur	Santipur	9932468060		21°14'8''	88°30'26''			0.13			4					
Basudeb Sarkar	Lt.Kanu Sarkar	Santipur	Santipur	7602416993		21°14'8''	88°30'26''			0.13			4					
Bapi Sarkar	Lt.Kanu Sarkar	Santipur	Santipur	9153628394		21°14'8''	88°30'26''			0.13			4					
Ranjon Ghosh	Makhan Ghosh	Santipur	Santipur	9153628394		21°14'8''	88°30'26''			0.13			4					
Shyamal Mahato	Fatik Mahato	Santipur	Santipur	9064194003		21°14'8''	88°30'26''			0.27			8					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Ramkumat Das	Keshtogopal Das	Santipur	Santipur	9093447341		21°14'8''	88°30'26''			0.13			4					
Uttam Mahato	Kalipada Mahato	Santipur	Santipur	7363023727		21°14'8''	88°30'26''			0.13			4					
Prasenjit Halder	Santicharan Halder	Santipur	Santipur	7363023727		21°14'8''	88°30'26''			0.13			4					

Crop 8: Ground Nut

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Sushil Sarkar	Late. Purna ch. Sarkar	Doluigram	Hanskhali	9002618583		23°18'5''	88°35'28''			0.27		TG-51	13					
Krishna Ballav	Kartick Ballav	Doluigram	Hanskhali	8768262848		23°18'5''	88°35'28''			0.27			13					
Nagen Pattandar	Late. Sachin Pattandar	Doluigram	Hanskhali	9734557820		23°18'5''	88°35'28''			0.13			7					
Brojen Roy	Late. Nakul Roy	Doluigram	Hanskhali	9064760520		23°18'5''	88°35'28''			0.13			7					
Ananda Sarkar	Santosh Sarkar	Doluigram	Hanskhali	7699962698		23°18'5''	88°35'28''			0.27			13					
Samir Sardar	Krishnapada Sardar	Doluigram	Hanskhali	7074778115		23°18'4''	88°34'27''			0.27			13					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Anup Biswas	G N Biswas	Doluigram	Hanskhali	9734121481		23°18'4''	88°34'27''			0.13			7					
Nayan Sarkar	Palash Sarkar	Doluigram	Hanskhali	8515975719		23°18'4''	88°34'27''			0.13			7					
Saiful Mondal	Kasemali Mondal	Doluigram	Hanskhali	8101781522		23°18'5''	88°35'28''			0.27			13					
Nripendranath Poddar	Late. A Poddar	Doluigram	Hanskhali	7699513268		23°18'4''	88°34'27''			0.13			7					
Prabitra Biswas	Khelaram Biswas	Doluigram	Hanskhali	7864977710		23°18'4''	88°34'27''			0.13			7					
Mukunda Mohan Sarkar	Murarimohan Sarkar	Doluigram	Hanskhali	8926519451		23°18'5''	88°35'28''			0.27			13.					
Dinesh Majumder	Late. Ramdayal Majumder	Doluigram	Hanskhali	8597618265		23°18'5''	88°35'28''			0.13			7					
Tapan Sarkar	Shyamal Sarkar	Doluigram	Hanskhali	6001392752		23°18'5''	88°35'28''			0.27			13					
Amitosh Barui	Madari Barui	Doluigram	Hanskhali	8345902919		23°18'5''	88°35'28''			0.13			7					
Jharna Mondal	Hus- Krishna Mondal	Doluigram	Hanskhali	8967709928		23°18'5''	88°35'28''			0.27			13					
Poli Mondal	Hus- Durbasa Mondal	Doluigram	Hanskhali	8537082120		23°16'3''	88°33'26''			0.13			7					
Pradip Kr. Sarkar	Parimal Sarkar	Doluigram	Hanskhali	9800185717		23°16'3''	88°33'26''			0.13			7					
Santosh Mandal	Let. Indramohan Mondal	Doluigram	Hanskhali	7699945261		23°16'3''	88°33'26''			0.27			13					
Kanai Sarkar	Let. Ganesh Sarkar	Doluigram	Hanskhali	9091073240		23°16'3''	88°33'26''			0.13			7					
Manik Biswas	Let. Joran Ch. Biswas	Doluigram	Hanskhali	9932845945		23°16'3''	88°33'26''			0.27			13					
Santosh Sarkar	Let. Hiralal	Doluigram	Hanskhali	8609265579		23°16'3''	88°33'26''			0.27			13					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
	Sarkar																	
Jogesh Majumder	Lat. Horilal Majumder	Doluigram	Hanskhali	9091508521		23°16'3''	88°33'26''			0.13			7					
Palash Mondal	Paran Mondal	Doluigram	Hanskhali	9153221790		23°16'3''	88°33'26''			0.13			7					
Sri Susanta Majumder	Let. Akhy Majumder	Doluigram	Hanskhali	9091346352		23°16'3''	88°33'26''			0.13			7					
Sri Ramesh Mondal	Let. Suklal Mondal	Doluigram	Hanskhali	8670082676		23°18'5''	88°35'28''			0.13			7					
Sri Panchanan Sarkar	Let. Motilal Sarkar	Doluigram	Hanskhali	8670929321		23°18'5''	88°35'28''			0.13			7					
Laxman Biswas	Let. Potiram Biswas	Doluigram	Hanskhali	8345070764		23°18'5''	88°35'28''			0.27			13					
Anil Kr. Biswas	Gopal Ch. Biswas	Doluigram	Hanskhali	9091475952		23°18'5''	88°35'28''			0.27			13					
Kalpana Biswas	Let. Gyanendra Biswas	Doluigram	Hanskhali	7047294369		23°18'5''	88°35'28''			0.27			13					
Sandha Sarkar	Hus- Paresh Sarkar	Doluigram	Hanskhali	8348281208		23°18'5''	88°35'28''			0.13			7					
Kanchan Mondal	Let. Premchand Mondal	Doluigram	Hanskhali	7699414670		23°18'5''	88°35'28''			0.13			7					
Anarul Mondal	Let. M Mondal	Doluigram	Hanskhali	7699414670		23°18'5''	88°35'28''			0.13			7					
Kalisankar Biswas	Let. Sudhir Biswas	Doluigram	Hanskhali	8972565665		23°18'5''	88°35'28''			0.13			7					
Pransankar Biswas	Let. Sudhir Biswas	Doluigram	Hanskhali	8670736901		23°18'5''	88°35'28''			0.27			13					
Maruf Mondal	Nasiruddin Mondal	Doluigram	Hanskhali	8389814029		23°18'5''	88°35'28''			0.27			13					
Ainal Mondaol	Let. M Mondal	Doluigram	Hanskhali	8670766398		23°18'5''	88°35'28''			0.13			7					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Madhu Mongal Biswas	Let. S Biswas	Doluigram	Hanskhali	8389814029		23°18'5''	88°35'28''			0.13			7					
Asalata Ghosh	Hus- K Ghosh	Doluigram	Hanskhali	7699909674		23°18'5''	88°35'28''			0.27			13					
Sunil Ghosh	Let. D N Ghosh	Mamjoan	Hanskhali	7407122846		23°18'5''	88°35'28''			0.13			7					
Nirmal Halder	Nemai Halder	Mamjoan	Hanskhali	8967468962		23°18'5''	88°35'28''			0.13			7					
Jagadish Biswas	Let. Jatin Biswas	Mamjoan	Hanskhali	9002282693		23°18'5''	88°35'28''			0.27			13					
Badal Mandal	Let. S Mander	Mamjoan	Hanskhali	9002333375		23°18'5''	88°35'28''			0.27			13					
Badruddin Mondal	Let. A H Mondal	Mamjoan	Hanskhali	8640936808		23°19'5''	88°35'25''			0.27			13					
Abdus Salam Biswas	Abdus sattar Biswas	Mamjoan	Hanskhali	8670744198		23°18'5''	88°35'28''			0.13			7					
Jamal Uddin Mondal	Let. Didar Mondal	Mamjoan	Hanskhali	7866996088		23°18'5''	88°35'28''			0.13			7					
Ijajul Mondal	I.H. A Mondal	Mamjoan	Hanskhali	7384089773		23°18'5''	88°35'28''			0.13			7					
Sakina Mondal	Hus- Kasem Mondal	Mamjoan	Hanskhali	8101781522		23°18'5''	88°35'28''			0.13			7					
Anchhar Ali Mondal	Let. M Mondal	Mamjoan	Hanskhali	8609066700		23°18'5''	88°35'28''			0.27			13					
Jahiruddin Mondal	Let. Nurislam Mondal	Mamjoan	Hanskhali	8389814029		23°18'5''	88°35'28''			0.13			7					
Paltu Ali Mondal	Let. Abul Kashem Mondal	Mamjoan	Hanskhali	9749834491		23°18'5''	88°35'28''			0.27			13					
Ajgar Mandal	Let. Iliyas Mandal	Mamjoan	Hanskhali	7477838216		23°19'5''	88°34'27''			0.27			13					
Madhab Ghosh	Let. Bhatai Ghosh	Mamjoan	Hanskhali	9002963960		23°19'5''	88°34'27''			0.13			7					
Latif Malita	Let. Dedar Malita	Mamjoan	Hanskhali	8597619836		23°19'5''	88°34'27''			0.13			7					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Sachin Biswas	Let. Brajendra Nath Biswas	Mamjoan	Hanskhali	8101435060		23°19'5''	88°34'27''			0.13			7					
Suktara Mondal	Hus- Jahangir Mandal	Mamjoan	Hanskhali	8016868920		23°19'5''	88°34'27''			0.27			13					
Hasan ali Mondal	Ambar Ali Mondal	Mamjoan	Hanskhali	9734396651		23°19'5''	88°34'27''			0.13			7					
Nurhossen Sk	Let. Amir Ali Sk	Mamjoan	Hanskhali	9093063907		23°19'5''	88°34'27''			0.13			7					
Amir Hossain Mandal	Let. Didar Mondal	Mamjoan	Hanskhali	8597213027		23°19'5''	88°34'27''			0.27			13					
Samir Ch. Kar	Bholanath Kar	Panchberia	Ranaghat II	7501779039		23°13'4''	88°37'21''			0.27			13					
Samarjit Ghosh	Jugol Ghosh	Panchberia	Ranaghat II	9933425139		23°13'4''	88°37'21''			0.27			13					
Joydeb Ghosh	Balai Ch.Ghosh	Panchberia	Ranaghat II	8016796751		23°13'4''	88°37'21''			0.27			13					
Uttam Das	Lt. Kumudeshwar Kar	Panchberia	Ranaghat II	8159855379		23°13'4''	88°37'21''			0.13			7					
Sunil Ghosh	Lt. Jugol Ghosh	Panchberia	Ranaghat II	8944834482		23°13'4''	88°37'21''			0.13			7					
Dulal Das	Gopal Das	Panchberia	Ranaghat II	9735842172		23°13'4''	88°37'21''			0.27			13					
Madan Ghosh	Lt. Subol Ghosh	Panchberia	Ranaghat II	8145488921		23°13'4''	88°37'21''			0.27			13					
Sudipta Ghosh	Narayan Ghosh	Panchberia	Ranaghat II	8768119076		23°13'4''	88°37'21''			0.13			7					
Amir Hossain Mandal	Kubadali Mandal	Panchberia	Ranaghat II	9735516558		23°13'4''	88°37'21''			0.13			7					
Rabbel Gazi	Aital Gazi	Panchberia	Ranaghat II	8348438562		23°13'4''	88°37'21''			0.27			13					
Manotosh Ghosh	Lt. Chandramohan Ghosh	Panchberia	Ranaghat II	7479114421		23°13'4''	88°37'21''			0.13			7					
Sita Das	Lt. Bimal Das	Panchberia	Ranaghat II	9091695996		23°13'4''	88°37'21''			0.27			13					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Bikash Ghosh	Lt. Balai Ghosh	Panchberia	Ranaghat II	7872142346		23°13'4''	88°37'21''			0.27			13					
Sunil Paul	Lt. Nitai Paul	Panchberia	Ranaghat II	8159932335		23°13'4''	88°37'21''			0.27			13					
Sushil Paul	Lt. Nitai Paul	Panchberia	Ranaghat II	8670760103		23°13'4''	88°37'21''			0.27			13					
Nikhil Paul	Lt. Nitai Paul	Panchberia	Ranaghat II	9647022914		23°13'4''	88°37'21''			0.27			13					
Subal Das	Bhim Das	Panchberia	Ranaghat II	8145901622		23°13'4''	88°37'21''			0.27			13					
Goutam Das	Lt. Lokenath Das	Panchberia	Ranaghat II	7384170613		23°13'4''	88°37'21''			0.27			13					
Dipankar Das	Lt. Shanti Ranjan Das	Panchberia	Ranaghat II	9647793041		23°13'4''	88°37'21''			0.13			7					
Arup Dutta	Haralal Dutta	Panchberia	Ranaghat II	8327259155		23°13'4''	88°37'21''			0.27			13					
Pran Das	Haren Das	Panchberia	Ranaghat II	9727063879		23°13'4''	88°37'21''			0.27			13					
Sita Das	Babul Das	Panchberia	Ranaghat II	7074756042		23°13'4''	88°37'21''			0.13			7					
Pronab Ghosh	Lt. Purna Ch. Ghosh	Panchberia	Ranaghat II	9563251381		23°13'4''	88°37'21''			0.27			13					
Ajit Kr. Ghosh	Lt. Subol Ghosh	Panchberia	Ranaghat II	8348438562		23°13'4''	88°37'21''			0.27			13					
Dilip Das	Lt. Narahari Das	Panchberia	Ranaghat II	9735657233		23°13'4''	88°37'21''			0.27			13					
Dipankar Das	Lt. Narahari Das	Panchberia	Ranaghat II	9564459461		23°13'4''	88°37'21''			0.13			7					
Basudev Das	Lt. Padmalochan Das	Panchberia	Ranaghat II	8967619046		23°13'4''	88°37'21''			0.27			13					
Haran Ghosh	Lt. Balai Ch. Ghosh	Panchberia	Ranaghat II	9775266377		23°13'4''	88°37'21''			0.13			7					
Khudiram Ghosh	Balai Ch.Ghosh	Panchberia	Ranaghat II	7548925680		23°13'4''	88°37'21''			0.27			13					
Narayan Dey	Lt. Madhab Dey	Panchberia	Ranaghat II	9734544334		23°13'4''	88°37'21''			0.27			13					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area(ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Mrinal Kanti Poddar	Surendra nath Poddar	Panchberia	Ranaghat II	9734618283		23°13'4''	88°37'21''			0.27			13					
Firoja Mondal	Alihossainen Mondal	Panchberia	Ranaghat II	9064094197		23°13'4''	88°37'21''			0.27			13					
Kanailal Sen	Lt. Priyalal Sen	Panchberia	Ranaghat II	9735657233		23°13'4''	88°37'21''			0.13			7					
Jahanara Mallick	Ajad Mallick	Panchberia	Ranaghat II	9735382063		23°13'4''	88°37'21''			0.27			13					
Biswajit Das	Mallick Das	Panchberia	Ranaghat II	8535859722		23°13'4''	88°37'21''			0.27			13					
Tapan Pal	Gokul Pal	Panchberia	Ranaghat II	8145902203		23°13'4''	88°37'21''			0.27			13					
Moyna Ghosh	Ajit Kr. Ghosh	Panchberia	Ranaghat II	8348438562		23°13'4''	88°37'21''			0.27			13					
Sabita Ghosh	Monotosh Ghosh	Panchberia	Ranaghat II	7479114421		23°13'4''	88°37'21''			0.13			7					
Amita Das	Basudeb Das	Panchberia	Ranaghat II	9233331246		23°13'4''	88°37'21''			0.13			7					

Crop 9: Sesame

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Palash Biswas	Ananda Biswas	Anandanagar	Krishnagar-II	9153259742		23°27'4"	88°29'21"			0.13		**RAMA**	1					
Monmohan Biswas	Baishnab Biswas	Anandanagar	Krishnagar-II	9153259742		23°27'4"	88°29'21"			0.13			1					
Kanika Sarkar	Gour Sarkar	Anandanagar	Krishnagar-II	8145500514		23°27'4"	88°29'22"			0.27			2					
Subash Roy	Shuklal Roy	Anandanagar	Krishnagar-II	9153178087		23°27'4"	88°29'21"			0.13			1					
Shyamaprasad Bala	Niranjan Bala	Anandanagar	Krishnagar-II	8145500514		23°25'4"	88°29'21"			0.13			1					
Dilip Sarkar	Khudiram Sarkar	Anandanagar	Krishnagar-II	8145500514		23°27'4"	88°29'21"			0.27			2					
Asit Sarkar	Anil Sarkar	Anandanagar	Krishnagar-II	9635268395		23°27'4"	88°29'22"			0.27			2					
Biswajit Biswas	Ananda Biswas	Anandanagar	Krishnagar-II	9635268395		23°27'5"	88°29'20"			0.13			1					
Sadhan Sarkar	Kanailal Sarkar	Anandanagar	Krishnagar-II	9635268395		23°27'5"	88°29'20"			0.13			1					
Shibani Sarkar	Sadhan Sarkar	Anandanagar	Krishnagar-II	9153259742		23°27'5"	88°29'21"			0.13			1					
Sanchita Biswas	Krishna Biswas	Anandanagar	Krishnagar-II	9153259742		23°27'3"	88°29'20"			0.13			1					
Nitya Sarkar	Anil Sarkar	Anandanagar	Krishnagar-II	9153259742		23°27'4"	88°29'20"			0.13			1					
Binod Sarkar	Monoranjan Sarkar	Anandanagar	Krishnagar-II	8145500514		23°27'3"	88°29'20"			0.13			1					
Monoranjan Sarkar	Lalan Sarkar	Anandanagar	Krishnagar-II	8145500514		23°27'4"	88°29'20"			0.13			1					
Nitai Joyarddar	Gobinda Joyarddar	Anandanagar	Krishnagar-II	7001973440		23°27'4"	88°29'21"			0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Krishna Biswas	Badal Biswas	Anandanagar	Krishnagar-II	9153259742		23°27'4"	88°29'21"			0.27			2					
Bishnupada Biswas	Badal Biswas	Anandanagar	Krishnagar-II	9153259742		23°27'4"	88°29'21"			0.13			1					
Patit paban Biswas	Satish ch. Biswas	Anandanagar	Krishnagar-II	7865804525		23°27'4"	88°29'21"			0.13			1					
Suryakanta Majumder	Brajabasi Majumder	Anandanagar	Krishnagar-II	7865804525		23°27'4"	88°29'21"			0.13			1					
Sahadeb Biswas	Sukdeb Biswas	Anandanagar	Krishnagar-II	7001621057		23°27'4"	88°29'21"			0.13			1					
Sahadeb Biswas	Kartick Biswas	Anandanagar	Krishnagar-II	7001621057		23°27'4"	88°29'21"			0.13			1					
Basudeb Mondal	Manindra Mondal	Anandanagar	Krishnagar-II	7001621057		23°27'4"	88°29'21"			0.27			2					
Asim Biswas	Harimohan Biswas	Anandanagar	Krishnagar-II	8640044434		23°27'4"	88°29'21"			0.13			1					
Buddhishwar Sarkar	Badal Sarkar	Anandanagar	Krishnagar-II	8116766146		23°27'4"	88°29'21"			0.13			1					
Tanmoy Joaddar	Tapan Joaddar	Anandanagar	Krishnagar-II	9434466471		23°27'4"	88°29'21"			0.13			1					
Nitai Biswas	Sukdeb Biswas	Anandanagar	Krishnagar-II	9434466471		23°27'4"	88°29'21"			0.13			1					
Dipak Biswas	Palan Biswas	Anandanagar	Krishnagar-II	9832297719		23°27'4"	88°29'21"			0.13			1					
Nrityagopal Sarkar	Akshay Sarkar	Anandanagar	Krishnagar-II	9832297719		23°27'4"	88°29'21"			0.13			1					
Palan Biswas	Brajabasi Biswas	Anandanagar	Krishnagar-II	9153259742		23°27'4"	88°29'21"			0.27			2					
Paramanada Biswas	Radhanath Biswas	Anandanagar	Krishnagar-II	7908061628		23°27'4"	88°29'21"			0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Nikhil Sarkar	Nibaran Sarkar	Anandanagar	Krishnagar-II	9153078852		23°27'4"	88°29'21"			0.13			1					
Biren Sarkar	Kutshwar Sarkar	Anandanagar	Krishnagar-II	9153078852		23°27'4"	88°29'21"			0.13			1					
Hiralal Mondal	Sashi Mondal	Anandanagar	Krishnagar-II	7865804525		23°27'4"	88°29'21"			0.13			1					
Nishikanta Mridha	Parimal Mridha	Anandanagar	Krishnagar-II	7001474911		23°27'4"	88°29'21"			0.13			1					
Parimal Mridha	Fulchand Mridha	Anandanagar	Krishnagar-II	7001474911		23°27'4"	88°29'21"			0.13			1					
Nikhil mondal	Ratan sarkar	Anandanagar	Krishnagar-II	8926584679		23°27'3"	88°29'21"			0.13			1					
Ratan Sarkar	Rabi Sarkar	Anandanagar	Krishnagar-II	8637012781		23°27'3"	88°29'20"			0.13			1					
Sukumar Mondal	Santosh Mondal	Anandanagar	Krishnagar-II	8926584679		23°27'3"	88°29'20"			0.13			1					
Santosh Mondal	Niranjan Mandal	Anandanagar	Krishnagar-II	8926584679		23°27'3"	88°29'20"			0.13			1					
Bhajagobinda Talukdar	Karuna Kanti Talukder	Anandanagar	Krishnagar-II	9574161499		23°27'3"	88°29'21"			0.27			2					
Gobinda Biswas	Manmahan Biswas	Anandanagar	Krishnagar-II	9932398133		23°27'3"	88°29'20"			0.13			1					
Gokul Sarkar	Gopal Sarkar	Anandanagar	Krishnagar-II	9932398133		23°27'4"	88°29'20"			0.13			1					
Bishnupada Sarkar	Bidhu Sarkar	Anandanagar	Krishnagar-II	9932398133		23°27'4"	88°29'20"			0.27			2					
Sanjit Baidya	Ranjit Baidya	Anandanagar	Krishnagar-II	7718503105		23°27'4"	88°29'21"			0.13			1					
Nirmal Biswas	Jatindra nath Biswas	Anandanagar	Krishnagar-II	7718503105		23°27'5"	88°29'21"			0.13			1					
Khokan Biswas	Sadananda Biswas	Anandanagar	Krishnagar-II	7001474911		23°27'5"	88°29'21"			0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Ashutosh Majumder	Premcharan Majumder	Anandanagar	Krishnagar-II	7001474911		23°27'5"	88°29'22"			0.13			1					
Profulla Roy	Netai Roy	Anandanagar	Krishnagar-II	8927091567		23°27'5"	88°29'22"			0.13			1					
Kamal Biswas	Jatin Biswas	Anandanagar	Krishnagar-II	8927091567		23°27'5"	88°29'22"			0.27			2					
Sushil Roy	Shuklal Roy	Anandanagar	Krishnagar-II	9153178078		23°27'5"	88°29'22"			0.13			1					
Sishubala Sarkar	Gobinda Sarkar	Anandanagar	Krishnagar-II	8167785281		23°27'5"	88°29'22"			0.13			1					
Gobinda Sarkar	Matilal Sarkar	Anandanagar	Krishnagar-II	9932398133		23°27'5"	88°29'22"			0.13			1					
Ananda Sarkar	Shyamacharan Sarkar	Anandanagar	Krishnagar-II	9153625718		23°27'5"	88°29'21"			0.13			1					
Jagadish Sarkar	Shyamacharan Sarkar	Anandanagar	Krishnagar-II	9153625718		23°27'4"	88°29'21"			0.13			1					
Bishnupada Sarkar	Shyamacharan Sarkar	Anandanagar	Krishnagar-II	9153625718		23°27'4"	88°29'21"			0.13			1					
Shyamal Biswas	Jatin Biswas	Anandanagar	Krishnagar-II	9547159842		23°27'4"	88°29'21"			0.27			2					
Fuleshwary Sarkar	Sunil Sarkar	Anandanagar	Krishnagar-II	9547159842		23°27'3"	88°29'21"			0.13			1					
Nishikanta Majumder	Brajabashi Majumder	Anandanagar	Krishnagar-II	9153287692		23°27'3"	88°29'19"			0.27			2					
Anil Sarkar	Kanailal Sarkar	Anandanagar	Krishnagar-II	9153287692		23°27'3"	88°29'19"			0.13			1					
Ananda Biswas	Purna Biswas	Anandanagar	Krishnagar-II	9153287692		23°27'3"	88°29'19"			0.13			1					
Ashim Biswas	Ratikanta Biswas	Anandanagar	Krishnagar-II	9547159842		23°27'3"	88°29'19"			0.13			1					
Pintu Biswas	Radhanath	Anandanagar	Krishnagar-II	7074985196		23°27'3"	88°29'20"			0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
	Biswas																	
Dhritidyuti Biswas	Madan mohon Biswas	Anandanagar	Krishnagar-II	7074985196		23°27'3"	88°29'20"			0.13			1					
Ashok Biswas	Ratikanta Biswas	Anandanagar	Krishnagar-II	9547459842		23°27'3"	88°29'20"			0.27			2					
Probir Biswas	Ratikanta Biswas	Anandanagar	Krishnagar-II	9547159842		23°27'3"	88°29'20"			0.13			1					
Akhil Sarkar	Nibaran Sarkar	Anandanagar	Krishnagar-II	9641285860		23°27'3"	88°29'20"			0.13			1					
Adhir Sarkar	Nibaran Sarkar	Anandanagar	Krishnagar-II	9153078840		23°27'3"	88°29'20"			0.13			1					
Prabhat Biswas	Barendranath Biswas	Anandanagar	Krishnagar-II	9153256525		23°27'3"	88°29'20"			0.27			2					
Swapan Biswas	Nabakumar Biswas	Anandanagar	Krishnagar-II	8116961298		23°27'4"	88°29'21"			0.13			1					
Prabhat Biswas	Nabakumar Biswas	Anandanagar	Krishnagar-II	9547918516		23°27'4"	88°29'21"			0.27			2					
Mithun Biswas	Palan Biswas	Anandanagar	Krishnagar-II	7908535052		23°27'4"	88°29'21"			0.13			1					
Radharani Biswas	Hus- Bimal Sarkar	Anandanagar	Krishnagar-II	9153259742		23°27'4"	88°29'21"			0.13			1					
Binoy Mondal	Basudev Mondal	Anandanagar	Krishnagar-II	7001621057		23°27'4"	88°29'21"			0.13			1					
Tapan Biswas	Jatindra nath Biswas	Anandanagar	Krishnagar-II	7001621057		23°27'4"	88°29'21"			0.13			1					
Mintu Paul	Sribash Paul	Anandanagar	Krishnagar-II	9641457897		23°27'4"	88°29'21"			0.27			2					
Amit Biswas	Biswajit Biswas	Hatishala (N)	Krishnagar-I	7098047208		23°19'33"	88°27'56"			0.13			1					
Putul Biswas	Chand Biswas	Hatishala (N)	Krishnagar-I	9126974188		23°19'33"	88°27'56"			0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Nityananda Saha	Krisnhnapada Saha	Hatishala (N)	Krishnagar-I	9734682713		23°19'33"	88°27'56"			0.13			1					
Sentu Biswas	Prabir Biswas	Hatishala (N)	Krishnagar-I	9733755608		23°19'33"	88°27'56"			0.13			1					
Raju Biswas	Yadeb Biswas	Hatishala (N)	Krishnagar-I	9851420131		23°19'33"	88°27'56"			0.13			1					
Krisnapada Ghosh	Namita Ghosh	Hatishala (N)	Krishnagar-I	9749414126		23°19'33"	88°27'56"			0.13			1					
Arbinda Das	Badal Das	Hatishala (N)	Krishnagar-I	9614744696		23°19'33"	88°27'56"			0.27			2					
Debabrata Mandal	Panchan Mondal	Hatishala (N)	Krishnagar-I	9864810147		23°19'33"	88°27'56"			0.13			1					
Sukumar Biswas	Birvadra Biswas	Hatishala (N)	Krishnagar-I	9083042558		23°19'33"	88°27'56"			0.13			1					
Manik Biswas	Abhaypada Biswas	Hatishala (N)	Krishnagar-I	9775546630		23°19'33"	88°27'56"			0.13			1					
Sujit Biswas	Madhu Biswas	Hatishala (N)	Krishnagar-I	9614764957		23°19'33"	88°27'56"			0.27			2					
Astam Biswas	Ananda Biswas	Hatishala (N)	Krishnagar-I	9851809052		23°19'33"	88°27'56"			0.27			2					
Amar Das	Arbinda Das	Hatishala (N)	Krishnagar-I	4614362993		23°19'33"	88°27'56"			0.13			1					
Dipak Sarkar	Santosh Sarkar	Hatishala (N)	Krishnagar-I	9734883046		23°19'33"	88°27'56"			0.13			1					
Kanai Biswas	Panchu Gopal Biswas	Hatishala (N)	Krishnagar-I	8629985115		23°19'33"	88°27'56"			0.27			2					
Urmila Biswas	Kush Biswas	Hatishala (N)	Krishnagar-I	8629985115		23°19'33"	88°27'56"			0.27			2					
Mallik Biswas	Nantu Biswas	Hatishala (N)	Krishnagar-I	9614503018		23°19'33"	88°27'56"			0.13			1					
Narad Biswas	Dhiren Biswas	Hatishala (N)	Krishnagar-I	9614503018		23°19'33"	88°27'56"			0.13			1					
Swapan Debnath	Gopal Debnath	Hatishala (N)	Krishnagar-I	7602801764		23°19'33"	88°27'56"			0.27			2					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Kamal Kr. Nath	Amulya Kr. Nath	Hatishala (N)	Krishnagar-I	7602255355		23°19'33"	88°27'56"			0.13			1					
Raju Dutta	Sukumar Dutta	Hatishala (N)	Krishnagar-I	9851270102		23°19'33"	88°27'56"			0.27			2					
Pintu Biswas	Prabir Biswas	Hatishala (N)	Krishnagar-I	8759025622		23°19'33"	88°27'56"			0.13			1					
Bipul Biswas	Bidhan Biswas	Hatishala (N)	Krishnagar-I	8371819215		23°19'33"	88°27'56"			0.13			1					
Nirmal Das	Ganesh Das	Hatishala (N)	Krishnagar-I	8637383727		23°19'33"	88°27'56"			0.13			1					
Lab Kr. Biswas	Anil Kr. Biswas	Hatishala (N)	Krishnagar-I	9153914658		23°19'33"	88°27'56"			0.27			2					
Sudipta Biswas	Tapas Kr. Biswas	Hatishala (N)	Krishnagar-I	8250696603		23°19'33"	88°27'56"			0.13			1					
Jyotish Sil	Sachiranjan Sil	Ganguria	Haringhata	9339636927		22°57'49''	88°32'55''			0.13			1					
Nurislam Mondal	Ichhahok Mondal	Ganguria	Haringhata	9735423319		22°57'49''	88°32'55''			0.27			2					
Narayan Das	Kalipada Das	Ganguria	Haringhata	9038162314		22°57'49''	88°32'55''			0.27			2					
Ramjan Mondal	Hajrat Mondal	Ganguria	Haringhata	8600965240		22°57'49''	88°32'55''			0.27			2					
Ananda Das	Kalipada Das	Ganguria	Haringhata	9163471666		22°57'49''	88°32'55''			0.13			1					
Gobinda Datta	Dinesh Chandra Datta	Ganguria	Haringhata	8942055574		22°57'49''	88°32'55''			0.13			1					
Panchu Gopal Sarkar	Gurupada Sarkar	Ganguria	Haringhata	8926549928		22°57'49''	88°32'55''			0.27			2					
Khokan Chandra Debnath	Dwarika Ch. Debnath	Ganguria	Haringhata	9679658584		22°57'49''	88°32'55''			0.13			1					
Krishna hari Majumdar	Dabendra Majumdar	Ganguria	Haringhata	9679658584		22°57'49''	88°32'55''			0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Debesh Sarkar	Nakul Sarkar	Ganguria	Haringhata	8609922685		22°57'49''	88°32'55''			0.13			1					
Nakul Sarkar	Nandalal Sarkar	Ganguria	Haringhata	9593465129		22°57'49''	88°32'55''			0.27			2					
Biswanath Das	Narandranath Das	Ganguria	Haringhata	9038162314		22°57'49''	88°32'55''			0.13			1					
Ganesh Baosnab	Manaranjan Baisnab	Ganguria	Haringhata	9735064573		22°57'49''	88°32'55''			0.27			2					
Haran Das	Kalipada Das	Ganguria	Haringhata	9635987024		22°57'49''	88°32'55''			0.13			1					
Hiralal Majumdar	Debandra Kumar Majumdar	Ganguria	Haringhata	9547422160		22°57'49''	88°32'55''			0.13			1					
Raju Panda	Goutam Panda	Ganguria	Haringhata	9547785298		22°57'49''	88°32'55''			0.27			2					
Papiya Panda	H. Raju Panda	Ganguria	Haringhata	9547785298		22°57'49''	88°32'55''			0.13			1					
Surojit Sarkar	Bholanath Sarkar	Ganguria	Haringhata	9609236008		22°57'49''	88°32'55''			0.27			2					
Pulak Chattergee	Panchu Gopal Chattergee	Ganguria	Haringhata	9609236008		22°57'49''	88°32'55''			0.13			1					
Subhash Chandra Mondal	Fatik Mondal	Ganguria	Haringhata	9851916236		22°57'49''	88°32'55''			0.13			1					
Samir Sil	Jagodish Sil	Ganguria	Haringhata	9051484438		22°57'49''	88°32'55''			0.13			1					
Bhagirat Mondal	Biswanath Mondal	Ganguria	Haringhata	9830762858		22°57'49''	88°32'55''			0.27			2					
Goutam Debnath	manobendra Debnath	Ganguria	Haringhata	9733553080		22°57'49''	88°32'55''			0.13			1					
Santi Pada Das	Hazari lal Das	Ganguria	Haringhata	8617790345		22°57'49''	88°32'55''			0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Moidul Mondal	Sirajul MONDAL	Ganguria	Haringhata	9143264158		22°57'49''	88°32'55''			0.27			2					
Swapna Das	Satya Pada Das	Ganguria	Haringhata	8345863489		22°57'49''	88°32'55''			0.13			1					
Abddul Rajjak Mondal	Kalu Mondal	Ganguria	Haringhata	9230424210		22°57'49''	88°32'55''			0.27			2					
Bimal Murmu	Bikram Murmu	Ganguria	Haringhata	8670685666		22°57'49''	88°32'55''			0.13			1					
Bantu Murmu	Mukssh Murmu	Ganguria	Haringhata	8514035761		22°57'49''	88°32'55''			0.27			2					
Gita Debnath	Aloke Boisnab	Ganguria	Haringhata	8514035761		22°57'49''	88°32'55''			0.13			1					
Jyotin Sil	Sohcin Sil	Ganguria	Haringhata	8609922685		22°57'49''	88°32'55''			0.13			1					
Satya Pada Das	Hajari Lal Das	Ganguria	Haringhata	8944542951		22°57'49''	88°32'55''			0.13			1					
Pritam Boisnab	Gonish Boisnab	Ganguria	Haringhata	9735056370		22°57'49''	88°32'55''			0.27			2					
Lipika Das	Biswanath Das	Ganguria	Haringhata	9563519183		22°57'49''	88°32'55''			0.13			1					
Sirajul Mondal	Haidar Ali Mondal	Ganguria	Haringhata	9143264185		22°57'49''	88°32'55''			0.27			2					
Mosaraf Mondal	Abusama Mondal	Ganguria	Haringhata	953225131		22°57'49''	88°32'55''			0.13			1					
Marufa Bibi	Kitabari Mosdal	Ganguria	Haringhata	8515899789		22°57'49''	88°32'55''			0.13			1					
Ramesh Hemrom	Zenan Heamrom	Ganguria	Haringhata	9083836101		22°57'49''	88°32'55''			0.13			1					
Sabita Das	Abhirika Das	Ganguria	Haringhata	9851916236		22°57'49''	88°32'55''			0.27			2					
Joydeb	Ratan Mondal	Ganguria	Haringhata	9231908019		22°57'49''	88°32'55''			0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Mondal																		
Shambhu Das	Shibu Das	Ganguria	Haringhata	7872919499		22°57'49''	88°32'55''			0.13			1					
Sujit Goldar	Manik Goldar	Ganguria	Haringhata	9064674385		22°57'49''	88°32'55''			0.13			1					
Bhabesh Biswas	Rajkumar Biswas	Santipur	Santipur	8906120053		21°14'8''	88°30'26''			0.13			1					
Patit Mahato	Atul Mahato	Santipur	Santipur	8906120053		21°14'8''	88°30'26''			0.27			2					
Shailin Mahato	Rajen Mahato	Santipur	Santipur	9144336687		21°14'8''	88°30'26''			0.27			2					
Krishna Mahato	Shailen Mahato	Santipur	Santipur	9144336687		21°14'8''	88°30'26''			0.13			1					
Biswadip Ghosh	Sambhunath Ghosh	Santipur	Santipur	8641945217		21°14'8''	88°30'26''			0.13			1					
Bhakta Biswas	Mangal Biswas	Santipur	Santipur	7872723504		21°14'8''	88°30'26''			0.27			2					
Debesh Mahato	Jogesh Mahato	Santipur	Santipur	973454332		21°14'8''	88°30'26''			0.13			1					
Shyamal Biswas	Sahadeb Biswas	Santipur	Santipur	8926750843		21°14'8''	88°30'26''			0.13			1					
Dali Biswas	Hus- Shyamal Biswas	Santipur	Santipur	8926750843		21°14'8''	88°30'26''			0.27			2					
Subhankar Biswas	Sukumar Biswas	Santipur	Santipur	8759524330		21°14'8''	88°30'26''			0.13			1					
Kakali Mahato	Hus- Ratan Mahato	Santipur	Santipur	9093120709		21°14'8''	88°30'26''			0.27			2					
Ratan Mahato	Biswanath Mahato	Santipur	Santipur	9735388210		21°14'8''	88°30'26''			0.13			1					
Subrata Mahato	Shachindranath Mahato	Santipur	Santipur	7551044580		21°14'8''	88°30'26''			0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Satyabrata Das	Fatik Das	Santipur	Santipur	9734497317		21°14'8''	88°30'26''			0.27			2					
Pashupati Ghosh	Kshudiram Ghosh	Santipur	Santipur	8768179242		21°14'8''	88°30'26''			0.27			2					
Madhai Ghosh	Kshudiram Ghosh	Santipur	Santipur	9564726927		21°14'8''	88°30'26''			0.13			1					
Biswanath Ghosh	Nandalal Ghosh	Santipur	Santipur	8167611225		21°14'8''	88°30'26''			0.13			1					
Madan Halder	Santosh Halder	Santipur	Santipur	8167611225		21°14'8''	88°30'26''			0.13			1					
Gopal Roy	Kishori Roy	Santipur	Santipur	9734497317		21°14'8''	88°30'26''			0.13			1					
Mira Das	Fatik Das	Santipur	Santipur	9734497317		21°14'8''	88°30'26''			0.13			1					
Swapan Mahato	Let. Lalu Mahato	Santipur	Santipur	7384260918		21°14'8''	88°30'26''			0.27			2					
Mrinal Ghatak	Nilkanta Ghatak	Santipur	Santipur	7384260918		21°14'8''	88°30'26''			0.27			2					
Kunal Ghatak	Nilkanta Ghatak	Santipur	Santipur	9126533155		21°14'8''	88°30'26''			0.13			1					
Nilkanta Ghatak	Hazarilal Ghotok	Santipur	Santipur	9153365010		21°14'8''	88°30'26''			0.13			1					
Upendranath Dutta	Let. Nabakumar Dutta	Santipur	Santipur	7076028676		21°14'8''	88°30'26''			0.13			1					
Rani Mahato	Hus- Ashok Mahato	Santipur	Santipur	7076028676		21°14'8''	88°30'26''			0.27			2					
Gopal Ch.Sarkar	Sudhir Sarkar	Santipur	Santipur	7076028676		21°14'8''	88°30'26''			0.13			1					
Suman Sarkar	Gopal Sarkar	Santipur	Santipur	9735661572		21°14'8''	88°30'26''			0.13			1					

Name of farmer	Father name	Village	Block	Mobile No.	Email Address	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Area (ha)	Brif Technology intervention	Variety	Seed quantity required (kg)	Demo yield(q/ha)			Yield of local check (q/ha)	% Increase
						Latitude	Longitude							H	L	A		
Manik Debnath	Kshetramohan Debnath	Santipur	Santipur	9735661572		21°14'8''	88°30'26''			0.27			2					
Bikash Biswas	Kanai Biswas	Santipur	Santipur	9126462125		21°14'8''	88°30'26''			0.13			1					

3.3 Achievements on Training (Including the sponsored and FLD training programmes):

A) Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	11	17	28	21	9	30	2	0	2	34	26	60
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
Conservation of indiginous vegetables	1	48	2	50	27	3	30	0	0	0	75	5	80
b) Fruits													
Layout and Management of Orchards	1	17	0	17	3	0	3	0	0	0	20	0	20
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
d) Plantation crops													
Production and Management technology	1	17	0	17	3	0	3	0	0	0	20	0	20
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
H) Floriculture													
Management of high value flower crops	1	17	0	17	3	0	3	0	0	0	20	0	20
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management	8	95	18	113	38	60	98	5	3	8	138	81	219
Integrated Disease Management	4	85	24	109	64	21	85	7	3	10	156	48	204
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Effect of environment change on peat disease management	1	23	5	28	56	2	58	0	0	0	81	7	86
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Seed science													
PPVFRA	4	62	9	71	72	14	86	3	0	3	137	23	160
Seed production of crops	7	143	3	146	77	8	81	16	1	17	236	8	244
TOTAL	**29**	**382**	**49**	**431**	**224**	**90**	**314**	**26**	**4**	**30**	**638**	**143**	**718**

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production	2	25	0	25	21	0	21	3	0	3	49	0	49
Production of organic inputs	1	12	3	15	6	2	8	9	2	11	28	7	35
Integrated Farming	3	18	6	24	24	9	33	0	0	0	42	15	57
Planting material production	2	23	2	25	21	1	22	4	0	4	48	2	51
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops	1	18	0	18	2	0	2	0	0	0	20	0	20
Commercial fruit production	1	18	0	18	2	0	2	0	0	0	20	0	20

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production enhancement of coconut orchard	4	60	0	60	48	0	48	12	0	12	120	0	120
TOTAL	**14**	**174**	**11**	**185**	**124**	**12**	**136**	**28**	**2**	**30**	**327**	**24**	**352**

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Value addition													
Integrated Pest Management	4	78	12	90	86	12	98	5	0	5	169	24	193
Productivity enhancement in horticultural crops	2	24	8	32	22	8	30	0	0	0	46	16	62
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Group Dynamics and farmers organization for seed production	1	42	0	42	53	0	53	5	0	5	100	0	100
Seed production procedures	1	12	4	16	11	4	15	0	0	0	23	8	31
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL	**8**	**156**	**24**	**180**	**172**	**24**	**196**	**10**	**0**	**10**	**338**	**48**	**386**

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops	1	21	3	24	13	11	24	3	0	3	37	14	51
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	1	23	0	23	11	0	11	0	0	0	34	0	34
Seed production of vegetables	1	14	1	15	31	6	37	2	0	2	47	7	53
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit	3	23	0	23	36	0	36	0	0	0	59	0	59
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Flower cultivation	1	11	0	11	10	0	10	0	0	0	21	0	21
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Production enhancement in kitchen garden	1	0	0	0	0	0	0	27	4	31	27	4	31
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management	3	19	0	19	27	0	27	41	4	45	87	4	91
Integrated Disease Management	2	23	0	23	23	0	23	0	0	0	46	0	46
Bio-control of pests and diseases	2	12	25	37	17	16	33	0	3	3	29	44	73
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Seed Science													
PPVFRA	2	49	0	49	50	0	50	0	0	0	99	0	99
Seed production of crops	23	359	3	360	334	0	333	0	0	0	693	3	696
TOTAL	**40**	**554**	**32**	**584**	**552**	**33**	**584**	**73**	**11**	**84**	**1179**	**76**	**1254**

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Kitchen garden management	1	20	23	43	11	12	23	2	4	6	33	39	72
Integrated Farming													
Planting material production	1	56	28	84	22	22	44	9	3	12	87	53	140
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Pest and disease management in nursery	1	56	28	84	22	22	44	9	3	12	87	53	140
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL	**3**	**132**	**79**	**211**	**55**	**56**	**111**	**20**	**10**	**30**	**207**	**145**	**352**

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	1	9	0	9	22	0	22	0	0	0	31	0	31
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	**1**	**9**	**0**	**9**	**22**	**0**	**22**	**0**	**0**	**0**	**31**	**0**	**31**

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	11	17	28	21	9	30	2	0	2	34	26	60
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops	1	21	3	24	13	11	24	3	0	3	37	14	51
Off-season vegetables													
Nursery raising													
Exotic vegetables like													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	1	23	0	23	11	0	11	0	0	0	34	0	34
Conservation of indiginous vegetables	1	48	2	50	27	3	30	0	0	0	75	5	80
Seed production of vegetables	1	14	1	15	31	6	37	2	0	2	47	7	53
TOTAL	**5**	**117**	**23**	**140**	**103**	**29**	**132**	**7**	**0**	**7**	**227**	**52**	**278**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	1	17	0	17	3	0	3	0	0	0	20	0	20
Cultivation of Fruit	3	23	0	23	36	0	36	0	0	0	59	0	59
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL	**4**	**40**	**0**	**40**	**39**	**0**	**39**	**0**	**0**	**0**	**79**	**0**	**79**
c) Ornamental Plants													
Flower cultivation	2	28	0	28	13	0	13	0	0	0	41	0	41
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL	**2**	**28**	**0**	**28**	**13**	**0**	**13**	**0**	**0**	**0**	**41**	**0**	**41**
d) Plantation crops													
Production and Management technology	1	17	0	17	3	0	3	0	0	0	20	0	20
Processing and value addition													
Others, if any													
TOTAL	**1**	**17**	**0**	**17**	**3**	**0**	**3**	**0**	**0**	**0**	**20**	**0**	**20**
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
h) kitchen garden													
Production enhancement in kitchen garden	1	0	0	0	0	0	0	27	4	31	27	4	31
TOTAL	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**27**	**4**	**31**	**27**	**4**	**31**
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	11	114	18	132	65	60	125	46	7	53	225	85	310
Integrated Disease Management	6	108	24	132	87	21	108	7	3	10	202	48	250
Bio-control of pests and diseases	2	12	25	37	17	16	33	0	3	3	29	44	73
Production of bio control agents and bio pesticides													
Effect of environment change on peat disease management	1	23	5	28	56	2	58	0	0	0	81	7	86
TOTAL	**20**	**257**	**72**	**329**	**225**	**99**	**324**	**53**	**13**	**66**	**537**	**184**	**719**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond,													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Farming Systems													
TOTAL													
XII. Seed science													
PPVFRA	6	111	9	120	122	14	136	3	0	3	236	23	259
Seed production of crops	30	502	6	506	411	8	414	16	1	17	929	11	940
TOTAL	**36**	**613**	**15**	**626**	**533**	**22**	**550**	**19**	**1**	**20**	**1165**	**34**	**1199**
GRAND TOTAL	**69**	**936**	**81**	**1021**	**776**	**123**	**898**	**99**	**15**	**114**	**1817**	**219**	**2035**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production	2	25	0	25	21	0	21	3	0	3	49	0	49
Production of organic inputs	1	12	3	15	6	2	8	9	2	11	28	7	35
Integrated Farming	3	18	6	24	24	9	33	0	0	0	42	15	57
Planting material production	3	79	30	109	43	23	66	13	3	16	135	55	191
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops	1	18	0	18	2	0	2	0	0	0	20	0	20
Commercial fruit production	1	18	0	18	2	0	2	0	0	0	20	0	20
Seed production	2	25	0	25	21	0	21	3	0	3	49	0	49
Repair and maintenance of farm machinery and implements													
Pest and disease Management in Nursery of Horticulture crops	1	56	28	84	22	22	44	9	3	12	87	53	140
Kitchen garden management	1	20	23	43	11	12	23	2	4	6	33	39	72
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Production enhancement of coconut orchard	4	60	0	60	48	0	48	12	0	12	120	0	120
TOTAL	**19**	**306**	**90**	**396**	**179**	**68**	**247**	**48**	**12**	**60**	**534**	**169**	**704**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Value addition													
Integrated Pest Management	5	87	12	99	108	12	120	5	0	5	200	24	224
Productivity enhancement in horticultural crops	2	24	8	32	22	8	30	0	0	0	46	16	62
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
organization													
Group Dynamics and farmers organization for seed production	1	42	0	42	53	0	53	5	0	5	100	0	100
Seed production procedures	1	12	4	16	11	4	15	0	0	0	23	8	31
Productivity enhancement in field crops													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
TOTAL	**9**	**165**	**24**	**189**	**194**	**24**	**218**	**10**	**0**	**10**	**369**	**48**	**417**

Please furnish the details of training programmes as Annexure in the proforma given below

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					M	F	T	M	F	T
Horticulture	RY	Advances in solanacious crop cultivation	1	ON	14	5	19	8	3	11
Horticulture	RY	Round the year solanacious crop cultivation	1	ON	14	5	19	8	3	11
Horticulture	PF	Multistorid	1	OFF	18	0	18	11	0	11

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					M	F	T	M	F	T
		crop planning in mango orchard								
Horticulture	PF	Introduction of G-9 banana production technology	1	OFF	22	0	22	13	0	13
Horticulture	RY	Coconut production technology	1	ON	30	0	30	17	0	17
Horticulture	RY	Botton seeding process in coconut	1	ON	30	0	30	17	0	17
Horticulture	PF	Backyeard nutrition garden management	1	OFF	27	4	31	27	4	31
Horticulture	RY	Marketing planning and job orientation for solanacious crops	1	ON	14	5	19	8	3	11
Horticulture	RY	High qiality banana production	1	OFF	38	0	38	11	0	11
Horticulture	RY	Vegetable seedling production	1	ON	13	3	16	4	1	5
Horticulture	RY	Proper management of kitchen garden	1	OFF	33	39	72	13	16	29
Horticulture	RY	Nutritional garden and nursery raising	1	OFF	87	53	140	31	25	56
Horticulture	PF	Conservation of local and indiginous vagetables	1	ON	75	5	80	27	3	30
Horticulture	PF	High density planting of banana and its intercultural operation	1	OFF	21	0	21	12	0	12
Horticulture	PF	High tech horticultural crop cultivation	1	OFF	34	0	34	11	0	11
Horticulture	RY	Recent advances in horticultural crop production	1	ON	35	0	35	11	0	11
Horticulture	EF	Advancement in fruit	1	ON	23	8	31	11	4	15

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					M	F	T	M	F	T
		cultivation								
Horticulture	EF	Recent advancement in vegetable production	1	ON	23	8	31	11	4	15
Horticulture	PF	Vegetable seed production technologies	1	OFF	47	7	53	33	6	39
Horticulture	PF	High value flower cultivation	1	OFF	21	0	21	10	0	10
Horticulture	PF	Advancemen lare cole crops	1	OFF	37	14	51	16	11	27
Horticulture	PF	Management of winter vegetables	1	ON	34	26	60	23	9	32
Horticulture	RY	High tech cultivation of vegerables	1	ON	20	0	20	2	0	2
Horticulture	RY	Modern seedling raising practices	1	ON	20	0	20	20	0	2
Horticulture	PF	Management of summer vegetables	1	ON	20	0	20	3	0	3
Horticulture	PF	Coconut production technologies	1	ON	20	0	20	3	0	3
Horticulture	PF	Management of fruit crops	1	ON	20	0	20	3	0	3
Horticulture	PF	Management of high value flower crops	1	ON	20	0	20	3	0	3
Plant Protection										
Plant Protection	RY	Pest management in coconut orchard	1	ON	30	0	30	13	0	13
Plant Protection	RY	Disease management in coconut orchard	1	ON	30	0	30	13	0	13
Plant Protection	PF	Pest and disease management in kitchen garden	1	OFF	27	4	31	27	4	31
Plant Protection	PF	Fruit fly management in cucurbitacious crops	1	OFF	30	0	30	23	0	23
Plant Protection	PF	Brinjal fruit & shoot borer management by pheromone	1	OFF	30	0	30	18	0	18

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					M	F	T	M	F	T
		trap								
Plant Protection	PF	Intigrated pest management in nursery bed of winter vegerables	1	OFF	29	0	29	17	0	17
Plant Protection	RY	Intigrated pest management in nursery bed of winter vegerables	1	OFF	87	53	140	31	25	56
Plant Protection	PF	PPVFRA	1	ON	75	5	80	27	3	30
Plant Protection	PF	Women development through biopesticide production	1	OFF	0	44	44	0	19	19
Plant Protection	PF	Seedling raising technique for viral disease management	1	OFF	14	0	14	10	0	10
Plant Protection	EF	Refresher course for ATM, BTM	3	ON	63	24	91	33	12	45
Plant Protection	EF	Pest and disease management of winter vegetables	1	OFF	31	0	31	22	0	22
Plant Protection	EF	Role of biopesticide for soil health management	1	ON	100	0	100	58	0	58
Plant Protection	PF	Management of chilli leaf curl.	1	OFF	32	0	32	13	0	13
Plant Protection	PF	Fruit fly management through trap	1	ON	47	17	64	21	12	33
Plant Protection	PF	Crop protection of winter vegetables	1	ON	34	26	60	23	9	32
Plant Protection	PF	Effect of environment on disease pest outbreak	1	ON	81	7	86	56	2	58
Plant Protection	PF	Fruit fly management in guava	1	ON	22	0	22	17	0	17
Plant Protection	RY	Bio pesticide production	1	ON	28	7	35	15	4	19
Plant Protection	PF	Pest management in pulse crops	1	ON	20	0	20	3	0	3
Plant Protection	PF	Pest management	1	ON	20	0	20	3	0	3

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					M	F	T	M	F	T
		in floricultural crops								
Plant Protection	PF	Pest management in oilseed crops	1	ON	20	0	20	3	0	3
Plant Protection	PF	Pest management in vegetable crops	1	ON	20	0	20	3	0	3
Plant Protection	PF	Pest management in cereal crops	1	ON	20	0	20	3	0	3
Plant Protection	PF	Conservation of oil in agriculture	1	ON	16	81	97	11	63	74
Seed science										
Seed Science	RY	Quality seed production procedure	1	ON	19	0	19	11	0	11
Seed Science	PF	Seed production of sesame	1	OFF	29	0	29	10	0	10
Seed Science	PF	PPVFRA	1	ON	42	3	45	20	3	23
Seed Science	PF	PPVFRA	1	ON	31	4	35	20	2	22
Seed Science	RY	Seedling production in coconut	1	ON	30	0	30	13	0	13
Seed Science	PF	Seed production of sesame	1	OFF	30	0	30	8	0	8
Seed Science	PF	Seed production of green gram	1	OFF	29	0	29	17	0	17
Seed Science	PF	Seed production of black gram	1	OFF	32	0	32	14	0	14
Seed Science	PF	Seed production of green gram	1	OFF	32	0	32	19	0	19
Seed Science	PF	Seed production of black gram	1	OFF	35	0	35	18	0	18
Seed Science	PF	Seed production of black gram	1	OFF	35	0	35	14	0	14
Seed Science	PF	Seed certification procedures	1	OFF	34	0	34	18	0	18
Seed Science	PF	Seed production of Green gram	1	OFF	30	0	30	16	0	16
Seed Science	PF	PPVFRA	1	OFF	52	0	52	30	0	30
Seed Science	PF	Seed production of pulses	1	ON	39	6	45	19	3	22
Seed Science	PF	PPVFRA	1	OFF	47	0	47	20	0	20
Seed Science	PF	Seed	1	ON	37	2	39	25	2	27

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					M	F	T	M	F	T
		production of oilseeds								
Seed Science	PF	Seed production of mustard	1	OFF	39	3	42	22	0	22
Seed Science	PF	Seed production of mustard	1	OFF	37	0	37	19	0	19
Seed Science	PF	PPVFRA	1	ON	64	16	80	35	9	44
Seed Science	PF	Seed production of mustard	1	OFF	32	0	32	14	0	14
Seed Science	PF	Seed production of mustard	1	OFF	29	0	29	18	0	18
Seed Science	PF	Seed production of sesame	1	OFF	33	0	33	10	0	10
Seed Science	PF	Seed production of field pea	1	OFF	36	0	36	14	0	14
Seed Science	PF	Seed production of chick pea	1	OFF	39	0	39	16	0	16
Seed Science	PF	Seed production of pulses	1	OFF	30	0	30	16	0	16
Seed Science	EF	Seed production and certification procedures	1	ON	23	8	31	11	4	15
Seed Science	EF	Farmer networking for seed production on world soil day	1	ON	100	0	100	58	0	58
Seed Science	PF	Seed production of ground nut	1	OFF	36	0	36	19	0	19
Seed Science	PF	Seed production of green gram	1	OFF	34	0	34	18	0	18
Seed Science	PF	Seed production of sesame	1	OFF	33	0	33	16	0	16
Seed Science	PF	Modern agricultural techniques	5	ON	100	0	100	40	0	40
Seed Science	PF	Seed production of green gram	1	OFF	10	0	10	3	0	3
Seed Science	PF	Seed production of sesame	1	OFF	11	0	11	5	0	5
Seed Science	PF	Seed production of sesame	1	OFF	15	0	15	8	0	8

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					M	F	T	M	F	T
Seed Science	PF	Seed production of Ground nut	1	OFF	22	0	22	12	0	12
Seed Science	PF	Seed production of sesame	1	ON	20	0	20	3	0	3
Seed Science	PF	Seed production of green gram	1	ON	20	0	20	3	0	3
Seed Science	PF	Seed production of ground nut	1	ON	20	0	20	3	0	3

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
coconut	**Total crop management**	**Friends of coconut trees**	**6**	**30**	**-**	**30**			**10**	**5**
Nursery	**Nursery management**	**Techniques of ursery raising**	**1**	**87**	**53**	**140**				**12**

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

Sl. No	Title	Thematic area	Month	Duration (days)	Client PF/RY/EF	No. of courses	No. of Participants										Sponsoring Agency
							Male			Female			Total				
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1.	Friends of coconut trees	Total crop management	June	6	RY	24	13	14	3	-	-	-	13	14	3	30	Coconut development board
2.	Refresher course for ATMA functionaries	Refresher course	November	3	EF	21	12	11	-	4	4	-	16	15	-	31	ATMA
3.	State leavel training	Modern agricultural technologies	January	5	PF	25	12	8	-	-	-	-	12	8	-	20	ATMA
4.	State leavel training	Modern agricultural technologies	March	5	PF	25	17	3	-	-	-	-	17	3	-	20	ATMA

3.4. A. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	14	205	63	268	42	8	4	12	213	67	280
KisanMela	1	490	163	653	51	38	15	53	528	178	706
KisanGhosthi	2	12	3	15	40	2	1	3	14	4	18
Exhibition	-										
Film Show	4	78	22	100	49	4	1	5	82	23	105
Method Demonstrations	4	110	59	169	51	3	1	4	113	60	173
Farmers Seminar	-										
Workshop	-										
Group meetings	7	152	62	214	54	6	3	9	158	65	223
Lectures delivered as resource persons	-										
Advisory Services	455	417	76	493	27	2	1	3	419	77	500
Scientific visit to farmers field	36	65	17	82	48	24	12	36	89	29	118
Farmers visit to KVK	53	108	79	187	41	12	2	14	120	81	201
Diagnostic visits	235	394	49	443	51	2	1	3	396	50	446
Exposure visits	15	204	86	290	19	9	2	11	213	88	301
Ex-trainees Sammelan	3	121	15	136	43	2	1	3	123	16	139
Soil health Camp	-										
Animal Health Camp	-										
Agri mobile clinic	-										
Soil test campaigns	1	100	-	100	47	5	2	7	105	2	107
Farm Science Club Conveners meet	-										
Self Help Group Conveners meetings	-										
MahilaMandals Conveners meetings	-										
Celebration of important days (specify) World soil day	1	100	-	100	47	5	2	7	105	2	107
Sankalp Se Siddhi	1	149	51	200	43	10	4	14	159	55	214

Swatchta Hi Sewa	32	109	87	196	41	5	2	7	114	89	203
MahilaKisan Divas	1	-	44	44	50	2	1	3	2	45	47
Any Other (Specify)											
Total	**865**	**2814**	**876**	**3690**	**744**	**139**	**55**	**194**	**2953**	**931**	**3888**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	3
Radio talks	-
TV talks	5
Popular articles	5
Extension Literature	3
Other, if any	
Development of film on KVK activities	1

3.5 a. Production and supply of Technological products

Village seed

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided
Blackgram	Sulata	48	4,80,000.00	32	-
Greengram	Bireswar	46	4,60,000.00	30	-
Sesame	Savitri	-	-	-	-
Greengram	Samrat	-	-	-	-
Total		**94**	**9,40,000.00**	**62**	

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided
Elephant fooy yam	Bidhan kusum	70 q	2,45,000.00	-
Mustard	B-9	2.1 q	14,700.00	-
Sesame	Savitri	Yet to be harvested		
	CUMS-17			
Green gram	Samrat	Yet to be harvested		
	Bireswar			
Grand Total				

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided
Vegetable seedlings				
Cauliflower				
Cabbage				
Tomato				
Brinjal				
Chilli				
Onion				
Others				
Fruits				
Mango	Himsagar, langra, amrapali	2500	1,00,000.00	-
Guava				
Lime	Pati	5000	1,00,000.00	
Papaya				
Banana				
Others				
Ornamental plants	Seasonal flowering plants	5000	25,000.00	
	Duranta (Goldiyana)	1,00,000	3,00,000.00	
Medicinal and Aromatic				
Plantation (Coconut)	East coast tall	800	64000.00	
Spices (black pepper)	Pannyur - 5	1000	20000.00	
Turmeric				
Tuber				
Elephant yams	Bidhan kusum	70q	3,45,000.00	
Fodder crop saplings				
Forest Species				
Others, pl.specify				
Total		**1,14,300/ 70q**	**9,54,000.00**	

Production of Bio-Products

Name of product	Quantity	Value (Rs.)	No. of Farmers benefitted
	Kg		
Bio-fertilizers			
Bio-pesticide			
Bio-fungicide ***Trichoderma viride***	120 Kg	18,000.00	25
Bio-agents			
Others, please specify.			
Total	**120 kg**	**18,000.00**	**25**

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Small ruminants				
Sheep				
Goat				
Other, please specify				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl. specify)				
Fisheries				
Indian carp				
Exotic carp				
Mixed carp				
Fish fingerlings				
Spawn				
Others (Pl. specify)				
Grand Total				

3.5. b. Seed Hub Programme-*"Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India"*

i) Name of Seed Hub Centre:

Name of Nodal Officer :	
Address :	
e-mail :	
Phone No. : Mobile :	

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2017						
Rabi 2017-18						
Summer/Spring 2018						

iii) Financial Progress

Fund received (2016-17 and 2017-18)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

3.6. (A) Literature Developed/Published (with full title, author & reference)

Item	Title	Author's name	Number	Circulation
Research paper	Effect of different liquid media on growth and sporulation of *Beauveria bassiana* in stationary culture	MALABIKA DEBNATH*, P. MONDAL AND S.K. MANDAL	Journal	-
Seminar/conference/ symposia papers				
Books	Muss multiplication of *Trichoderma spp*	MALABIKA DEBNATH	300	10
Bulletins				
News letter				
Popular Articles	Root deeping of seedling- a simple and effective technique	Malabika Debnath	Krishi bidhan	200
Book Chapter				
Extension Pamphlets/ literature	Cultivation process of Strawberry	Shubhra Jyoti Pramanik	300	20

	Viral disease management of crops	MALABIKA DEBNATH	300	30
Technical reports				
Electronic Publication (CD/DVD etc)	Overview of Nadia KVK	-	1	-
	Cultivation of Gerbera under polyhouse	-	1	1
TOTAL			**902**	**261**

N.B.: Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(B) Details of HRD programmes undergone by KVK personnel:

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Winter school	Insect resistance to Bt toxins and incecticides in cotton	Dr. Malabika Debnath	18th January- 7th February, 2018	CICR, Nagpur
2.	Winter school	Modeling and advances in micro irrigation for improving water use efficiency	Dr. Shubhra Jyoti Pramanik	05-25 July, 2017	SKUAST, Jambu & Kashmir
3.	Workshop	Modern techniques of plant protection	Dr. Malabika Debnath, Dr. Shubhra Jyoti Pramanik	22-24 august, 2017	DEE, BCKV
4.	Workshop	Collaborative pregrammes of KVKs and ATMA, specially DAESI	Dr. Malabika Debnath	19-20th February, 2018	SAMETI
5.	Conference	Biannial national conference of KVKs	Dr. Malay Kumar Samanta	16-17th March, 2018	ICAR

3.7. Success stories/Case studies, if any (two or three pages write-up on 1-2best case(s) with suitable action photographs)

Success story -1

Name of farmer : Mr. Sujit Biswas,

Address : Hatisala North, Post: Diknagar, Block- Krishnagar- I, Nadia

Contact details (Phone, mobile, email Id): 08250462635

Landholding (in ha.): 0.533 ha of paternal land

Name and description of the farm/ enterprise: Mr. Sujit Biswas cultivates in his 0.533 ha of paternel land. He mainly cultivates traditional field crops like paddy, mustard pulses etc. from the year 2015 he has become a beneficiary of Nadia KVK. He got training in Nadia KVK on improved pcakage of practice for pulse and oilseed crops under CFLD programme. After that he started demonstration under CFLD programme in his area with fifty other farmers.

Economic impact: He takes continuous training from Nadia KVK on improved package of practice of pulse and oilseed crops. Inthat area total fifty farmers conducts CFLD programme. Now he has become the master trainer for that locality and conduct whole field inspection on 50 bigha (6.66 ha) for pest disease infestation, any production related problem etc. for any types of problems he contacts the SMSs of Nadia KVK through whatsapp and get the reply immidistely. So the problems can be solved in a quicker way, which leads to higher production of the crop. All the criteria under CFLD programme like micronutrirnt application, bio fertilizer application, application of pesticides are properly followed under his supervition. He along with other fifty farmers conducts regular field training along with the SMS of KVK for continuous upgradstion of the farmers.

Name of crop	Yield (q/ha)		Net return (Rs/ha)	
	Existing yield	under CFLD programme	Existing plot	under CFLD programme
Sesame	11.3	12.75	18200/-	22500/-
Black gram	10.65	12.0	24750/-	30750/-
Green gram	11.25	12.37	32625/-	37285/-

So the farmers are getting more profit from pulse and oilseed crops and as well as the interest is growing for pulse and oilseed crop production.

Social impact: the farmers are becomimg more interested for pulse and oilseed crop cultivation. it is a national issue and we are pregressing in the way of production enhancement of pulse and oilseed in this district under CFLD programme. Farmers like Sujit Biswas are playing a major role in this regard.

Environmental impact: pulse crop has great environmantal impact particularly in respect of soil health management. As well as pulses are sources of easily digestable protins to augmant the nutritional security.

Horizontal/ Vertical spread: farmers of adjoining area also getting interest in pulse and oilseed production. They are particepating in the training programme of Nadia KVK and implementing the practices in their field. Now more than 85 farmers adopted this technology for their field.

Success story 2:

Name of farmer: Mafijul Mandal

Address: Vill- Satyapole, P.O. Srikrishnapur, P.S.- Haringhata, Dist: Nadia, PIN- 743711

Contact details (Phone, mobile, email Id) : 9093777996

Landholding (in ha.): 0.466 ha leased in land

Name and description of the farm/ enterprise: Mr. Mafijul Mandal was a higher secondary student when he started agricultural activities. His family had 0.133 ha of leased in land and he started his activity with that small land. Initially he don't had any knowledge of agriculture, but he continued his cultivation practices by the knowledge gathered from the experienced farmers of the village. Then he ccame to know about the Nadia Krishi Vigyan Kendra and got his first training on "Friend of coconut trees". After that he started to take proper care of the household coconut trees and as a result obtained better production in the next year. This result encouraged him and he particepated in several training programmes organised by Nadia KVK and applied that knowledge in his agricultural field. Gradually his income increased and now he is cultivating in 0.466 ha of leased in land. Mainly he is a vegetable grower and cultivates wide varieties of vegetables in his land. He mainly cultivates cabbage, cauliflower, pea, tomato, bean, onion, carrot, pointed gourd, bitter gourd, bottle gourd etc. as he applies scientific cultivation methods in his field, so his products are of better quality with proper size and maturity. In the Krishi Parban of Nadia KVK of 2018 he has own several first prizes and the crop champion award in the crop compitition.

Economic impact: When he started agriculture his annual income was very nominal. Initially he was able to earn yearly 40,000.00 only. But after adoption of modern agricultural practices his income has increased remarkably. His operational area also increased more or less three fold and now he is earning Rupees 1.5 lakh per annum.

Social impact: He is a Masters degree holder, still he is practicing agriculture successfully- this fact has a great impact in his locality. Other rural youths are also influenced and getting interested in agriculture by his activities.

Environmental impact: He has adopted modern practices of agriculture in his field. It has a great impact on environment. Due to low pest disease infestation he is able to reduce pesticide application in his field. Judicious application of agricultural inputs reduces the pollution of soil and environment.

Horizontal/ Vertical spread: More than twenty five rural youths of his locality follows his

activities. They also perticepates in several training programme of Nadia KVK for modern agricultural knowledge.

3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

3.9. a. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Pointed gourd	Use of rejected cycle tyre for scaffold preparation,	Scaffolds are mainly prepared by bamboo, jute sticks, nylon ropes and iron strings. Iron strings runs along two sides of a scaffold and it is the strength giving structure of the scaffold. Major strength of the scaffold lies with the iron strings, and these iron strings are terminally tied with bamboo sticks inserted in the soil firmly. So if the bamboo stick locally called as goja, with which the iron string is tied, gets destroyed by termites then the total scaffold collapsed. To overcome this problem some farmers of Srinagar village invented a procedure which increased the durability of the scaffold. They are practicing this process for last three to four years. They replaced bamboo goja with rejected cycle tire. At least two third portion of the tire is deeply inserted in the soil in two ends of a scaffold.
			
Scaffold made with rejected cycle tyre			

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)

3.10. Indicate the specific training need analysis tools/methodology followed by KVKs

One of the PRA tools, card sorting method, has been used by this KVK to identify the specific training needs of a particular area. In this method, the farmers present in the meeting are requested to mention the area of training they need which are enlisted in a black board or chart paper which is visible to the farmers. Then the farmers are provided with one card each where they are asked to enlist five areas according to their preference which are already written in the board/chart paper. Scoring is given from 5 to 1 according to rank of preference. Then each individual farmer is asked to read out his own preference. Accordingly weighted score is given. The area of training getting highest score is ranked as first, then second and so on.

3.11. a. Details of equipment available in Soil and Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1.	Thermometer (Min & Max)	1
2.	Hair Hygrometer	1
3.	Spectrophotometer	1
4.	Flame photometer	1
5.	p.h meter	2
6.	E.C.meter	1
7.	Digital balance	2
8.	Hot air oven	1
9.	Dryer	1
10.	Desiccators	2
11.	Autoclave	1
12.	Mechanical shaker	2
13.	Water distillation unit	2
14.	Soil moisture meter	1
15.	Microwave	1
16.	Soil digestion unit	1
17.	Fume hood	1
18	Mridhaparikshok	2

3.11.b. Details of samples analyzed so far

:

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
50	-	50	473	6	-

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	Training, awareness generation, soil health card distribution	300	7	Dr. Ramendranath Biswas, Member of Legislative Assembly, Kalyani Constituency Prof. B. K. Senpati, Director of Research, BCKV Dr. Sudhibrata Mitra, Director of Farms, BCKV Prof. G.C. Hazra, Professor & Head, Dept. of Ag. Chem. & Soil Sci., BCKV Dr. Avijit Halder, Principal Scientist, ICAR-ATARI, Kolkata Dr. Amrito Chattopadhay, DDM, NABARD Mou Roy, Asstt. Horticulturist (Dev.), Nadia	247	247

3.12. Activities of rain water harvesting structure and micro irrigation system

No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials
2	6	100000 no	136	18

3.13. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Seminar, Farmers' Scientists Interaction, Exhibition, Crop competition, Quiz competition, Field visit and Training	8	1560	AICRPs on Potato, Tuber crops, Floriculture, Tropical and sub tropical fruits, IFS, Vegetables, Medicinal plants, Nematode, Water management and different wings of the University displayed their technologies.

3.14. RAWE/ FETprogramme - is KVK involved? (Y/N)

No of student trained	No of days stayed
12	180
ARS trainees trained	**No of days stayed**
-	-

3.15. List of VIP visitors (Minister/ MP/MLA/DM/VC/ZilaSabhadipati/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit
05.12.2017	Dr. Ramendranath Biswas, Member of Legislative Assembly, Kalyani Constituency Prof. B. K. Senpati, Director of Research, BCKV Dr. Sudhibrata Mitra, Director of Farms, BCKV Prof. G.C. Hazra, Professor & Head, Dept. of Ag. Chem. & Soil Sci., BCKV Dr. Avijit Halder, Principal Scientist, ICAR-ATARI, Kolkata Dr. Amrito Chattopadhay, DDM, NABARD Mou Roy, Asstt. Horticulturist (Dev.), Nadia	World soil day
29-30 March, 2018	Dr. S. S. Singh, Director, ICAR-ATARI, Kolkata	Field visit of Hon'ble Director, ICAR-ATARI, Kolkata
24.08.2017	**Dr. Tapas Mandal** Hon'ble Member of Parliament of Ranaghat Lok Sabha **Prof. Kaushik Brahmachari** DEE, BCKV **Dr. Krishnendu Ghorai** Horticulturist, Deptt. of Horticulture, Nadia **Dr. Amrito Chattopadhyay** DDM, NABARD, Nadia	Sankalp Se Siddhi
10-11 January 2018	Dr. D. D. Patra, Hon'ble Vice-Chancellor, BCKV Dr. S.S.Singh, Director, ICAR-ATARI, Kolkata Sri. Swapan Kundu, SDO, Kalyani Dr. P. P. Pal, Principal Scientist, ICAR-ATARI, Kolkata Prof. B. K. Senapati, Directorate of Research, BCKV, Nadia Prof. J. K. Hore, Dean, Faculty of Horticulture, BCKV Dr. S. Mitra, Director, Directorate of Farms, BCKV Sri. Amrito Chattopadhaya, DDM, NABARD, Nadia.	Krishi Parbon-2018 (Technology Week-2018)

4. IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Protected cultivation technology	317	90%	40,000/- per 1000 sq.m.	2,40,000/- per 1000 sq. m.
Adoption of banana bunch cover in G- 9 variety	570	24%	4.5 lakh/ha	7.2 lakh/ha
Cultivation of nematode resistant variety of tuberose-prajjal	2030	67%	3.37 lakh/ha	9.00 lakh/ha

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants

4.2. Cases of large scale adoption (Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	**Horizontal spread**
Protected cultivation technology	243 units of protected structures covering nearly 1,90,000 sq.m. area.
Adoption of banana bunch cover in G- 9 variety	More than 127 ha of land
Cultivation of nematode resistant variety of tuberose-prajjal	More than 1000 ha of land
Fruit fly management through Methyl Euzinol trap in fruit crops- Mnago, Guava and ber	More than 85 ha of land
Fruit fly management in cucurbitaceous crops through cuelure trap	More than 37 ha of land
Green gram variety samrat	More than 105 ha of land
Lentil variety moitree	More than 120 ha of land

Give information in the same format as in case studies

4.3.Details of impact analysis of KVK activities carried out during the reporting period

4.4. Details of innovations recorded by the KVK

Innovation 1:

Thematic area	Horticulture
Name of the Innovation	High value protected cultivation
Details of Innovator	**Mr. Ananda Biswas,** Age 47, Male, S/O Shri Tarapada Biswas Of vill: Dhokhola, P.O. Dharmada, P.S. Nakashipara, Dist.-Nadia (Ph. No. 09735528107). **Education level:** Graduate
Back ground of innovation	The farmer was traditional crop cultivator like paddy & jute, which was less remunerative. Mono cropping and low price of the produce makes his farming non-profitable
Technology details	After 2007 onwards, Nadia KVK started it's activity in the area specifically for high value and protected crop cultivation along with other remunerative vegetables like cole crops, chilli, brinjal, doliclius beam, fruits like banana and flower like tuberose, marigold and chrysanthemum. Technical intervention was made like quality seedling production, varietal

	replacement (G-9) and quality bunch production (use of bunch cover) & High density planting of banana, cultivation of green and coloured capsicum, gerbera & orchid(*Dendrobium sp.*)under different protected structures.
Practical utility of innovation	• The farmer now has 6000 sq. m. polyhouse for high tech crop cultivation. • For the 1st polyhouse, no bank offered any credit to the farmer; he had to collect his own share of construction from private money lender @ 24% annual interest. Now every bank is willing to finance the upcoming structure. • Till date, 43 units have been developed by different farmers in the area of Sri. Biswas. • His success in high value cultivation leads formation of a Farmer Producer Company namely Nakashipara farmer producer company Ltd., which have 1000 active farmer members with a operation fund of Rs. 13,36,000/-.

Innovation 2:

Thematic area	Horticulture
Name of the Innovation	New approaches of Tomato cultivation for high quality produce
Details of Innovator	Mr. Dipak Mandal**,** Age 49, Male, S/O Late Rjendranath Mandal Of vill: Vill- Banamalipara, Post- Digra, P.S.- Chakdaha (Ph. No. 07478747309). **Education level:** Non Matric.
Back ground of innovation	Pest and disease problem of tomato and chemical ripenning process of tomato is the main constrain for the quality improvement of tomato.
Technology details	Generally tomato seedlings are raised in seed bed and planted in a spacing of 100 cm row to row and 45 cm plant to plant. But Mr. Mandal raised the seedlings in plug tray under 50 mesh mosquito net for twenty five days. He cultivated **PAN-1286** variety which is oval in shape and possesses good keeping quality. Seeds were sown on 5th October. He applied 6000 Kg of cow dang manure mixed with *Trichoderma viride* and *Pseudomonus fluorescence*, 6 Kg sulpher and 3 Kg borax per acre of land in the main field during final land preparation. Seedlings were transplanted in the main field on 29th October. 100 Kg of 10:26:26 fertilizer was applied in the main field in split doses. Seedlings were planted in a wide spacing of row to row 125 cm and plant to plant 60 cm. This wider spacing suits the variety and reduces the incidence of early blight and late blight. The plant produces more branches and flower drop percentage reduced remarkably. He also applied micro nutrient mixture three times, pre flowering, post flowering and fruit setting period respectively. First green fruits are harvested after 65 days of planting which was sent to Andaman and Nicobar islands, which was

	of great demand of there. Mature fruits were harvested from 75 days of transplanting. Generally tomatoes are not ripened in the plant due to bird damage, as soon as the red colour start developing, birds also starts to damage the fruits. To overcome these problem farmers generally harvest 80% mature fruits and those are ripened with application of ethrel. This process is time consuming and the harvested fruits loss 20% of its weight during ripening process. Chemical ripening also deteriorates the quality of the fruits. Mr. Mandal developed an idea to harvest fully ripen fruits from the plants. He covered the entire plot with large hole net. This net prevents the birds but allows the pollinators. The netting costs Rs. 12000/- per acre. Now the fully ripen fruits are harvested from the plants and directly marketed. These fruits possess better quality and attractive colour. Use of ripening chemical is also avoided. This high quality product fetches Rs 3/- extra per Kg as compared to chemical ripened tomatoes
Practical utility of innovation	This invention is able to improve the quality of the produce as well as to reduce the use of ripening chemical. Cost involvement is very less as compared to the profit.

Innovation 3:

Thematic area	Horticulture
Name of the Innovation	Off seasonal cultivation of gladiolus
Details of Innovator	**Mr. Umesh Biswas,** Age 49, Male, Of Vill: puratan chapra, Block : Ranaghat II, District: Nadia (Ph. No. 08145236575). **Education level:** Graduate
Back ground of innovation	Gladiolus flowers are not available in the local market in the summer season. So off season cultivation of gladiolus can fetch higher price from the market.
Technology details	Generally gladiolus is cultivated in the open field. The blubs are planted from mid of September to mid of October. Flowering starts from early December and ends in February. Average cost of the sticks are Rs. 3/- per piece Mr. Umesh Biswas decided to cultivate gladiolus in the shed net house in the off season. In the year 2017 he constructed a 1000 sq m shed net house from **SASHMIRA** project by the recommendation of Nadia KVK. This shed net house is white in colour. This year he planted gladiolus in that net house in the off season. The cover of the shed net was removed from east, north and south side for better light penetration and aeration. He prepared the beds of 4 ft wide and 30 ft long. Such twenty beds were prepared. Organic manure and 30 Kg of 10:26:26 was applied in the total bed area. Bulbs of gladiolus were planted in **1st week of February 2018**, now the plants are in growing stage. It is expected to harvest the sticks from mid of April 2018. At that time no gladiolus stick will be available in the market. So, the product will be able to fetch higher price in the

	market. Approximately fifteen thousand sticks will be produced, and expected cost is Rs. 5/- per piece.
Practical utility of innovation	This technology is able to produce higher profit. Initial cost is involved in construction of shed net house, though this shed net house was subsidized. But even the cost of shed net house can be reimbursed in 4-5 years

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Large scale chrysanthemum nursery and chrysanthemum cultivation
Name & complete address of the entrepreneur	**Mr. Kutubuddin Biswas,** Age 47, Male, S/O Nasiruddin Biswas Of VILL. Dhantala, P.S. Dhantala, DIST. Nadia, West Bengal, PIN- 741256 (Ph. No. 09732773201). **Education level:** Madhyamik.
Role of KVK with quantitative data support:	He has got three training on nursery management and floricultural crop production from Nadia KVK and one exposure visit form Nadia KVK
Timeline of the entrepreneurship development	From the year 2014, he is producing chrysanthemum in large scale and also producing chrysanthemum cut flower. Now he is marketing both cut flower and saplings in different parts of country like Bangalore, New Delhi etc.
Technical Components of the Enterprise	**Bed preparation and fertilizer application:** Beds are 3.0 ft wide, 6.0 inch high and 30-40 ft long. In winter the beds are covered with silver colour mulch but in spring summer crop the beds are covered with milky white mulch. Before mulching required fertilizers are applied in the bed. In 1.0 ha of land 150 Kg bone meal, 375 Kg horn meal, 375 Kg mustard cake, 150 Kg DAP and 75 Kg 10:26:26 applied during bed preparation. Then it is covered with poly mulch. 3-4 rows of chrysanthemum seedlings planted longitudinally in each bed. Seedlings were planted in the mid of October. During planting 1500 Kg of varmicompost per hectare applied in the planting holes. Flood irrigation applied in the channels and sometimes 10:26:26 @ 20 Kg / ha applied with the irrigation water. Some liquid fertilizers like calcium nitrate, 19:19:0 and 12:0:61 also applied as spray in the standing crop. Harvesting of the flower started from 1st week of February. **Application of artificial light:**Artificial lights applied @ 7500 watt per hectare for six hours after sunset. This improves the size and quality of the flowers. Similarly high quality saplings are produced in poly packets.
Status of entrepreneur before and after the enterprise	cultivation of chrysanthemum with mulch and artificial light
	Cost of cultivation – Rs 750000.00
	Total produce – 675000 flowers
	Sale price- Rs. 3/-per flower Total sale price = Rs. 3/-per flower X 675000=Rs.2025000/-
	He also produced more than 7.5 lakh saplings of chrysanthemum which was sold @ of Rs 2/- per pc 7.5 lakh X 2= 15.0 lakh
Present working condition of enterprise in	Mr. Biswas produces saplings of crysanthemum in large quantity. He has collected more than 20 highly demanded varieties of chrtsanthemum from whole India. With this high tech cultivation process he is able to produce saplings of

terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	different varieties in large quantities. Generally female labourers are engaged for sapling production and on an average per day fifteen female labour works in his sapling production unit. In the year 2017-18 he has supplies nore than 7.5 lakh saplings to different parts of the country. .
Horizontal spread of enterprise	His activity is encouraging other flower growers of his neighbouring area and other farmers are also modifying their cultivation practices for production of high quality chrysanthemum cut flower.

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Directorate of Research, BCKV	Technological backup
Directorate of Farm, BCKV	Supply of inputs
All India Coordinated Project on Sub-tropical Fruits, BCKV	Technical and plant material support
All India Coordinated Project on Tuber Crops other than potato, BCKV	Technical and plant material support
All India Coordinated Project on Soil Test Crop Response, BCKV	Technical and plant material support
All India Coordinated Project on Nematode, BCKV	Technical and plant material support
All India Coordinated Project on Water Management, BCKV	Technical and plant material support
All India Coordinated Project on Forage Crop, BCKV	Technical and plant material support
All India Coordinated Project on Tropical fruits, BCKV	Technical and plant material support
PAO, Nadia	Formulation of Action Plan
ATMA, Nadia	Fund support & Technology dissemination partner
NHM, Nadia	Fund support & Technology dissemination partner
NABARD	Formulation of Action Plan
IFFCO	Fund Support
Zilla Parishad	Formulation of Action Plan & Fund Support
District Horticulture Office	Formulation of Action Plan
RKVY	Fund support & Technology dissemination partner

5.2. List of special programmes undertaken during 2017-18by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies *(information of previous years should not be provided)*

a) Programmes for infrastructure development

Sl. No.	Name of the programme	Funding agency	Amount
1.	Observance of Sankalpa-se-siddhi	ICAR	80,000.00
2.	Short term research project	ATMA	5,00,000.00
3.	Skill Development programme for rural youths	ASCI, Govt. of India	1,58,800.00
4.	Rabi Kisan Sammelan and Krishi Mela	ATMA, NABARD	1,50,000.00
5..	Special refresher course for ATMA functionaries.	ATMA	1,15,000.00
6.	Friends of Coconut trees	Coconut Development Board	67,000.00
7.	State level skill training under ATMA	ATMA	1,40,000.00
8.	Swachh Bharat Mission	ICAR	64,000.00

(b) Programme for other activities (training, FLD, OFT, Mela, Exhibition etc.)

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Erection of stall in saminer	Seminer on soil science	11-13 th December 2017	-	-

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1. Performance of demonstration units (other than instructional farm)

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Protrctrd cultivation unit Poly house Shed net	2010-2017	1050 sq. m.	Coloured capcicum, Orchid, Black pepper, Seedling			70,000.00	1,00,000.00	-
2.	Bio pesticide production unit	2012	8.0	*Trichoderma viride*	*Trichoderma viride* Frmulation	120 Kg	15,000.00	-	Distributed to farmers for soil health management
	Total					**120 kg**	**85,000.00**	**1,00,000.00**	

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	

6.3. Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	*Trichoderma viride*	120 Kg	15,000.00	-	Distributed to farmers for soil health management

6.4. Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.							
2.							
3.							

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
June	30	180	
January	20	100	
March	20	100	
Total :	**70**	**380**	

(For whole of the year)

6.6. Utilization of staff quarters: NA

Whether staff quarters has been completed:
No. of staffquarters:
Date of completion:
Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current account	State Bank of India	Kalyani	34601300680

7.2. Utilization of funds under CFLD on Oilseed *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on 01.04.18
	Kharif	Rabi	Kharif	Rabi	
Mustard		1.8		1.7	0.1

7.3. Utilization of funds under CFLD on Pulses *(Rs. In Lakhs*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2018
	Kharif	Rabi	Kharif	Rabi	
Green Gram, Black Gram, Lentil, Chick Pea, Field Pea	6.75		6.71		0.4

7.4. Utilization of KVK funds during the year 2017-18(Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	82.00	82.00	78.36
2	Traveling allowances	0.80	0.80	0.56
3	HRD	0.30	0.30	-
4	Contingencies			
A	Office Expences	19.5	19.5	18.43
B	Training			
C	FLD			
D	OFT			
E	Maintenance			
F	Swatchta Expenditure			1.05
TOTAL (A)		**102.6**	**102.6**	**98.4**
B. Non-Recurring Contingencies				
1	Office equipments, copier, computer etc	3.30	3.30	3.29
2				
3				
4				
TOTAL (B)		**105.9**	**105.9**	**101.69**
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		**105.9**	**105.9**	**101.69**

7.5. Status of revolving fund (Rs. in lakh) for last three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year as par bank statement.
2015-16	2,34,968.00	3,40,110.00	-	5,75,078.00
2016-17	5,75,078.00	8,12,167.00	-	13,87,245.00
2017-18	13,87,245.00	10,48,808.00	2,19,937.00	22,16,115.00

7.6. (i) Number of SHGs formed by KVKs : 13
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities : 32
(iii) Details of marketing channels created for the SHGs : 2

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
Seedling production	1	Rabi	Department of horticulture, Govt of West Bengal		
Short term research	5	Throughout the year		With ATMA	

8. OTHER INFORMATION

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)
Damping off	Solanacious and crucifarous crops	Rainy season mainly	275 ha	35% seedling loss	Proper drainage of seedbed, Application of fungicide and trichoderma spp in seedbed Seedling raising under poly tunnel.
Bacterial rot of cabbage and cauliflower	cabbage and cauliflower	2nd week of August	25 ha	10% head loss	Application of Streptocycline@ 1g/10 l of water with Blitox @ 25 g/10 l of water

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)

9.1. Nehru YuvaKendra(NYK) Training

Title of the training programme	Period		No. of the participant		Amount of Fund Received (Rs)
	From	To	M	F	

9.2. PPV & FR Sensitization training Programme

Date of organizing the programme	Resource Person	No. of participants	Registration (crop wise)	
			Name of crop	No. of registration
16.06.17	Prof. Pranab Chattapadhyay	40	Vegetables	16
22.06.17	Prof. Mrityunjoy Ghosh	50	Vegetables	
12.10.17	Dr. Prabir Ganguly	90	Vegetables	

9.3. *mKisan*Portal (National Farmers' Portal/ SMSPortal)

Type of message	No. of messages	No. of farmers covered
Crop	30	84725
Livestock	03	9122
Fishery	-	-
Weather	-	-
Marketing	-	-
Awareness	-	-

Training information	-	-
Other	-	-
Total	**33**	**93847**

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	8580
2.	No. of farmers registered in the portal	460
3.	Mobile Apps developed by KVK	-
4.	Name of the App	-
5.	Language of the App	-
6.	Meant for crop/ livestock/ fishery/ others	-
7.	No. of times downloaded	-

9.5. a. Observation of Swacha Bharat Programme

Date of observation	Activities undertaken
Monday of every week	Cleaning of office premices.
Friday of every week	Cleaning and waste management of farm.
Thursday of every week	Cleaning Training Hostel.
Wednesday of every week	Digitization of office records/ e-office
4th Tuesday of the month	Swachhta Awareness at local level
Regularly.	Cleaning and beautification of surrounding areas

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	6	-
2. Basic maintenance	2	495596.00
3. Digitization of office records/ e-office	32	20000.00
4. Cleaning and beautification of surrounding areas	32	60320.00
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	2	Expenditure from SASMIRA project
6. Used water for agriculture/ horticulture application	2	200.00
7. Swachhta Awareness at local level	9	9500.00
8. Swachhta Workshops	-	-
9. Swachhta Pledge	9	-
10. Display and Banner	18	4500.00
11. Foster healthy competition	1	-
12. Involvement of print and electronic media	13	-

13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	690	-
14. No of Staff members involved in the activities	9	315000.00
15. No of VIP/VVIPs involved in the activities	6	10530.00
16. Any other specific activity (in details)	Celebration of arranya saptaha	-
Total	**831**	**915646**

9.6. Observation of National Science day

Date of Observation	Activities undertaken
-	-

9.7. Programme with SeemaSurakshaBal (BSF)/ Indian Army

Title of Programme	Date	No. of participants
Soild waste management	21.03.2018	30

9.8. Agriculture Knowledge in rural school:

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
Rasullapur high school	11.10.17	Kitchen garden of 50 sq m	Projecter, screen, computer, microphone. Far practical all nursery equipments and inputs like seeds.

9.9. Details of '*Sankalp Se Siddhi*'Programme

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/ Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door Darshan (Yes/No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		
24.08.17	-	1	-	-	-	-	1	200	2	204	Yes	No

9.10. Details of Swachhta Hi Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Swachhta Hi Sewa campaign in villages	6	715	-	
2	Swachhta Hi Sewa campaign in school	3	230	-	

9.11. Details of MahilaKisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Training, group discussion	1	44	-	-

9.12. No. of Progressive/Innovative/Lead farmer identified (category wise)

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise

9.13.HRD programmesattended by KVK person

Training programme/ Seminar/ Symposia/ Workshop etc attended	Duration	Name of the participants	Designation	Organizer of the training Programme
Winter school	21 days	Dr. Malabika Debnath	SMS(Plant Protection)	CICR, Nagpur
Winter school	21 days	Dr. Shubhra Jyoti Pramanik	SMS(Seed Science)	SKUAST, Jambu & Kashmir
Workshop	3 days	Dr. Malabika Debnath, Dr. Shubhra Jyoti Pramanik	SMS(Plant Protection) SMS(Seed Science)	DEE, BCKV
Workshop	2 days	Dr. Malabika Debnath	SMS(Plant Protection)	SAMETI
Conference	3 days	Dr. Malay Kumar Samanta	SMS(Horticulture)	ICAR
Workshop	3 days	Dr. Malay Kumar Samanta	SMS(Horticulture)	ICAR, ATARI, Kolkata

9.14. Revenue generation

Sl. No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Supply of Duranto planting materials	3,00,000.00	MGNREAGA, Nadia

9.15. Resource Generation

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	Support to Krishi Parban 2018	Krishi Mela	ATMA State fund	1,00,000.00	-
2	FOCT	Training of youth on coconut climbing	Coconut Development Board	67,000.00	-
3	Short term Research	Short term need based Research	ATMA District fund	5,00,000.00	-
4	ATM/ BTM refresher course	Refresher training for ATMA functionary	ATMA State fund	1,15,000.00	-
5	Quality seedling production	Supply of quality seedling to the farmer	RKVY fund through district horticulture	1,03,000.00	-
6	Support to Krishi Parban 2018	Krishi Mela	NABARD	50,000.00	-
7	State level exposure training	Skill oriented exposure training	ATMA	1,40,000.00	-
Total				**10,75,000.00**	

9.16. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning

9.17. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK

10. REPORT ON CEREAL SYSTEMS INITIATIVE FOR SOUTH ASIA (CSISA)

a) **Year:**
b) **Introduction / General Information:**

Experiment No.	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Experiment 1						
Experiment 2						
Experiment 3						
…						
..						
Others (If any)						

11. DETAILS OF TSP

a. **Achievements of physical output under TSP during 2017-18**

Programmes	Physical achievements
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	
On-farm trials (Number)	
Frontline demonstrations (Number)	
Farmers training (in lakh)	
Extension personnel training (in lakh)	
Participants in extension activities (in lakh)	
Seed production (in tonnes)	
Planting material production (in lakh)	
Livestock strains and fingerlings production (in lakh)	
Soil, water, plant, manures samples testing (in lakh)	
Provision of mobile agro – advisory to farmers (in lakh)	
No. of otherprogrammes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

b. Fund received under TSP in 2017-18 (Rs. In lakh):

c. Achievements of physical outcomeunder TSP during 2017-18

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	
2	Change in family consumption level	%	
3	Change in availability of agricultural implements/ tools etc.	No. per household	

d. Location and Beneficiary Details during 2017-18

District	*Sub-district*	*No. of Village covered*	*Name of village(s) covered*	*ST population benefitted (No.)*		
				M	**F**	**T**

12. PROGRESS REPORT OF NICRA KVK (TECHNOLOGY DEMONSTRATION COMPONENT) DURING THE PERIOD (applicable for kvks identified under NICRA)

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks

Livestock and fisheries

Name of intervention undertaken	Number of animal covered	Number of units	Area (ha)	No of farmers covered / benefitted	Remarks

Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks

Capacity building

Thematic area	No. of Courses	No. of beneficiaries		
		Males	Females	Total

Extension activities

Thematic area	No. of activities	No. of beneficiaries		
		Males	Females	Total

Detailed report should be provided in the circulated Performa

13. AWARDS/RECOGNITION RECEIVED BY THE KVK

Sl. No.	Name of the Award	Year	Conferring Authority	Amount	Purpose

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Krishi Ratna	Dipak Mandal	2018	Govt of West Bengal	-	Excellence

14. ANY SIGNIFICANT ACHIEVEMENT OF THE KVK WITH FACTS AND FIGURES AS WELL AS QUALITY PHOTOGRAPH

15. NUMBER OF COMMODITY BASED ORGANIZATIONS/ FARMERS' COOPERATIVE SOCIETY/ FPO FORMED/ ASSOCIATED WITH DURING LAST ONE YEAR (DETAILS OF THE GROUP/SOCIETY MAY BE INDICATED)

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator

16. INTEGRATED FARMING SYSTEM (IFS)

Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1	Elephant foot yam	Total 2.0 ha	70.0 q	80000/-	175000/-	8	14.25%
2	Mustard		2q	5000/-	8000/-		
3	Mango sapling		3000 no	60000/-	135000/-		
4	Coconut sapling		500 no	20000/-	40000/-		
5	Black pepper sapling		2000 no	20000/-	40000/-		
6	Citrus sapling		3000/-	30000/-	60000/-		
7	Varmi compost		10 q	3000/-	5000/-		

17. TECHNOLOGIES FOR DOUBLING FARMERS' INCOME

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	High value vegetable cultivation under protected condition	Crop sequence Colour capsicum – spinach- spinach-spinach – spinach	Rs. 13.10 lakh/ha	15	***
2	High value flower cultivation under protected condition	Gerbera cultivation	Yearly Rs.9.6 lakh in 2000 sq m poly house	19	***
3	Nemarode resistant tuberose cultivation	ARKA – Prajjal variety cultivation	Yearly Rs.12.16 lakh/ ha	2000	***
4	Cultivation of pulse crops	Green gram – variety Bireswar with improved package of practice	Rs.37285/- in three months	500	***

5	Cultivation of pulse crops	Gram – variety JAKI-9218 with improved package of practice	Rs.45750/- in four months	200	***

*** photographs are in photo pages

18. REPORT ON DIGITAL FARMING INITIATIVES IN AGRICULTURE/ DIGITAL AG. EXTENSION SERVICE

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)	196	2657			
II (up-to 24.04.218)	485	4885			
Total	**681**	**7542**			

19. ANY OTHER PROGRAMME ORGANIZED BY KVK, NOT COVERED ABOVE

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants
1	Short term research (Allotment of 2016-17, re-validated for 2017-18 vide no. 226/ATMA dt. 25.09.17)		Nadia KVK	Prevention of Mortality of Strawberry Seedlings through modification of planting media and micro climate.	-
				Viral disease management of solanacious and cucurbitacious crops.	-
2	Short term research (Allotment Rs. 5,00,000.00 vide no. 241/ATMA dt. 23.10.17)		Nadia KVK	Rapid Multiplication Techniques of Black Pepper.	-
				Medium scale production of trichoderma spp for disease control.	-
				Standardization of package of practice for commercial cultivation of tropical orchids in Nadia district climatic condition.	-

Short report on the completed short term research programme under ATMA: Annexure I & II

***

MID TERM REPORT

Viral disease management in vegetable crops by chemical and non chemical methods

Introduction:

Nadia district is one of the leading vegetable producing districts in the whole country. Several types of vegetables, like solanaceous, cucurbitaceous, cruciferous, malveceous vegetables are grown though out the year in all most all parts of the district. Among these group of vegetables, solanaceous, cucurbitaceous and malveceous vegetables are badly damaged by viral diseases. These viral diseases can cause severe production losses, even up to 100% crop failure. In the last few years the severity of these diseases has increased many fold in this district.

So the experiments have been designed to find out the chemical and non chemical methods of management of viral diseases in the vegetable crops for consecutive two years.

Viral disease management in cucurbitaceous vegetables:

The diseases are called mosaics because the leaves of infected plants have a mottled or mosaic pattern of light and dark green instead of the normal dark green colour. The growth of the infected plant is reduced, and it remains stunted. Leaves of infected plants may also be bubbled, distorted or very narrow in appearance. Fruits of virus infected plants are often distorted with bubbles and are unmarketable.

This virus is spread by aphids. These virus are not spread by mites, leafhoppers, white flies or other insects, soil or fruit moved from farm to farm, or through equipment. Aphids spread the mosaic viruses in a non-persistent manner. This means that the virus can be picked up by a feeding aphid on its stylet or mouthparts in only a few seconds, and then injected into the next healthy plant it feeds on in a matter of only a few seconds. Winged aphids are responsible for the bulk of the spread of the viruses up to several kilometres if wind assisted.

Treatments:

1. Seedling raising in poly packet under 60 mesh mosquito net- transplanting after 35 days in main field- use of yellow trap in the main field.(other practices are normal cultural practices).
2. Seedling raising in poly packet under 60 mesh mosquito net- transplanting after 35 days in main field.(other practices are normal cultural practices).

3. Direct sowing in the main field - seed treatment with systemic insecticide - use of yellow trap in the main field.(other practices are normal cultural practices).
4. Direct sowing in the main field - use of yellow trap in the main field.(other practices are normal cultural practices).
5. Control (Direct sowing in the main field other practices are normal cultural practices).

Parameters for observation:

1. Time required for disease expression.
2. Percent disease infection
3. Crop growth
4. Fruit yield

Plot size:

3m X 5m

Crops under experiment:

1. Cucumber
2. Bitter gourd

Status of experiment:

Seeds of both the crops were sown in the main field on 29.03.2017. Seedlings for treatment number 1 and 2 are ready in the poly packet and yet to be sown in the main field.




Viral disease management in solanaceous vegetables:

Some solanaceous vegetables are also badly damaged by the leaf curl virus. Among the common vegetables tomato, eggplant, potato and chilli get infected by the viral disease. The infected plant show stunted appearance, the new growth of plant parts has reduced internodes, the new leaves are also greatly reduced in size and wrinkled. The leaves show yellow-green mottled appearance. Margins of the leaves curl upward, giving them a boat-like appearance. Flowers appear but usually drop before fruit is set.

The virus is primarily transmitted by the whitefly (*Bemisia tabaci*). These whiteflies can acquire the virus within 5 minutes of feeding on infected plants, and the insect remain infective for whole life. The disease can spread by movement of infected plant material or by wind dispersal of whiteflies harbouring the virus, it cannot be spread by seed, equipments or other means.

Treatments:

1. Seedling raising in plug tray under 60 mesh mosquito net- transplanting after 35 days in main field- use of yellow trap in the main field.(other practices are normal cultural practices).
2. Seedling raising in plug tray under 60 mesh mosquito net- transplanting after 35 days in main field.(other practices are normal cultural practices).
3. Sowing in the nursery bed - seed treatment with systemic insecticide - use of yellow trap in the main field.(other practices are normal cultural practices).
4. Sowing in the nursery bed - use of yellow trap in the main field. (other practices are normal cultural practices).
5. Control (Sowing in the nursery bed other practices are normal cultural practices).

Parameters for observation:

1. Time required for disease expression.
2. Percent disease infection
3. Crop growth
4. Fruit yield

Plot size:

3m X 3m

Crops under experiment:

1. Tomato

Status of experiment:

The experiment has just been completed. The results are yet to be analysed. More than 500 farmers visited the experimental plots during their exposure visit. One TV programme was telecast for the dissemination of the technology.







Mid Term Report

Prevention of Mortality of Strawberry Seedlings through modification of planting media and micro climate

Introduction:

Nadia Krishi Vigyan Kendra is designed to impart need-based and skill-oriented vocational training to the practicing farmers, in-service field level extension workers and the rural youths who wish to go in for self-employment. This KVK is vested with the responsibilities to bring forth agricultural vis-à-vis rural development in Nadia through its mandated activities on training, front line demonstrations and on farm testing etc. In a sense, this KVK has been conceived to perform as a lighthouse for the farming community of the district. Nadia KVK is having a motto to disseminate the newer technologies at the door step of stakeholders and to enrich their knowledge regarding the scientific cultivation for their socio-economic improvement. Nadia KVK has been established to identify the problems in the adopted villages through PRA and prepare its thrust area. Nadia KVK also addresses to the problems of local farming community with the Zilla Parishad, District Administration and other related line departments for integrated development of the operational area.

Nadia District, situated in New Alluvial Zone of West Bengal, is blessed with its natural resources. It has plenty of irrigation facilities (more than 80%), good soil health, progressive farmers and communication facilities, Apart from that it is very nearer to metropolis.

The farmers of this District produce all the crops possible to grow from food, fodder, fruits, fibers and flowers. The farmers of this area are very much progressive and interested to introduce new produces in the market. In this respect Strawberry cultivation may be a new introduction and it can enhance the profitability of the farmers.

Keeping the diversification and better return from agriculture in mind, popularization of fruit plants like Strawberry in rural sector, especially among the rural youths has great importance and relevance.

Objective:

1. To maintain the seedlings of Strawberry for the next year to reduce the production cost.
2. To build the capacity of the growers for strawberry seedling management.
3. To augment the area of Strawberry cultivation in the district.

Fund released: 2,98,000.00 (Rupees two lakh ninety eight thousand only)

Outcome:

Strawberry has an inherent character of producing lots of seedlings through runners, and it can be a profitable business for the rural youths. But the main problem faced by the farmers is - higher rate of seedling mortality of strawberry. This is due to use of unsuitable media and higher temperature.

Through this project namely "Prevention of Mortality of Strawberry Seedlings through modification of planting media and micro climate" we tried to reduce the mortality rate, make the nursery business profitable and also reduce the production cost.

There are eight varieties namely Sweet Charley, Winterdawn, Barak, Gili, Subrina, Subrina-I, Cristal and Hadar were planted in three different treatments

(1) Planting with plastic mulch and drip irrigation

(2) Planting with ground cover and drip irrigation

(3) Planting without any mulch

Plastic mulch

Ground cover

In the first season, average yield per plant obtained was 450 g with average fruit weight of 35 g. 12 runners were observed per plant out of which 7 rooted saplings could be transferred into pot.

For keeping the potted saplings for the next season, three different types of shades were constructed

(1) Roof made of Earthen Tiles

(2) Roof made of Paddy straw

(3) Roof made of 50% shade net

Planting materials have been transferred into three different types of shades to observed their rate of survivality.

Direct Impact of the Project : Since planting of the Strawberry seedlings efforts are made to expose the farmers of the district with the newly introduced crop with micro-irrigation system. Till date, 550 farmers from Nadia and adjacent district put their foot print in the field. Apart from that a special exposure visit was organized for the 20 leading farmers of the district.

E TV Bangla gave an extensive coverage of the project in two different programmes of Annadata.


Prevention of Mortality of
Strawberry Seedling through
Modification of Planting Media
and Micro Climate
Funded by
ATMA, Nadia
Implemented by
NADIA KRISHI VIGYAN KENDRA
Bidhan Chandra Krishi Viswavidyalaya
Indian Council of Agricultural Research
Gayeshpur, Nadia, West Bengal


Prevention of Mortality of
Strawberry Seedling through
Modification of Planting Media
and Micro Climate
Funded by
ATMA, Nadia
Implemented by
NADIA KRISHI VIGYAN KENDRA
Bidhan Chandra Krishi Viswavidyalaya
Indian Council of Agricultural Research
Gayeshpur, Nadia, West Bengal


Prevention of Mortality of
Strawberry Seedling through
Modification of Planting Media
and Micro Climate
Funded by
ATMA, Nadia
Implemented by
NADIA KRISHI VIGYAN KENDRA
Bidhan Chandra Krishi Viswavidyalaya
Indian Council of Agricultural Research
Gayeshpur, Nadia, West Bengal


Prevention of Mortality of
Strawberry Seedling through
Modification of Planting Media
and Micro Climate
Funded by
ATMA, Nadia
Implemented by
NADIA KRISHI VIGYAN KENDRA
Bidhan Chandra Krishi Viswavidyalaya
Indian Council of Agricultural Research
Gayeshpur, Nadia, West Bengal